



IES INDOOR REPORT

PHOTOMETRIC FILENAME : MEZLEDEM120-277V.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST]ITL86923

[TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.

[ISSUE DATE]03/02/16

[MANUFAC]BEGHELLI

[LUMCAT]DBEL-ACEM-HL-DC

[LUMINAIRE]CAST BLACK PAINTED METAL HOUSING, CAST FINNED METAL HEAT
[MORE]SINK, ONE CIRCUIT BOARD WITH TWO LEDS, 2-PIECE MOLDED SPECULAR
[MORE]PLASTIC REFLECTOR WITH VERTICALLY RIBBED SECTION BELOW AND
[MORE]BEHIND LEDS, CLEAR PRISMATIC PLASTIC LENS IN CAST BLACK PAINTED
[MORE]METAL FACEPLATE. LENS PRISMS IN.

[LAMP]TWO WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDS), VERTICAL
[MORE]BASE-UP POSITION.

[OTHER]INPUT ELECTRICAL: 4.80 VOLTS, 3.07 WATTS, 0.639 AMPS

[_ MOUNTING]WALL

[_ LEDDRIVER]BEST LIGHTING PRODUCTS PROPRIETARY

[_ NOTE]DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT
[MORE]VOLTAGE (4.8VDC) TO THE DRIVER. LED DRIVER INFORMATION PROVIDED
[MORE]BY CLIENT.

[OTHER]TEST PROCEDURE: IESNA LM-79-08

[OTHER]TEST DISTANCE = 20.0 FEET

[_ ABSOLUTE LUMENS]351

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	351
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	3.07
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.88
Spacing Criterion (90-270)	1.48
Spacing Criterion (Diagonal)	1.30
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.17 ft
Luminous Width (90-270)	0.41 ft
Luminous Height	0.24 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11273	9983	12208
55	11051	7339	11389
65	10979	4859	9604
75	8777	2852	5251
85	5667	1454	3173

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CANDELA TABULATION

	<u>0.0</u>	<u>5.0</u>	<u>15.0</u>	<u>25.0</u>	<u>35.0</u>	<u>45.0</u>	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>
0.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2.5	136.8	135.9	135.1	133.4	130.4	126.2	121.0	115.7	109.8	104.1
5.0	154.1	154.6	154.7	154.9	153.8	151.1	146.9	139.0	127.7	114.8
7.5	141.7	141.7	140.5	140.7	145.0	151.9	156.8	155.1	146.0	130.4
10.0	143.1	142.4	138.7	136.4	138.6	144.1	151.2	155.5	154.2	143.5
12.5	149.7	149.3	146.3	144.8	141.1	138.4	141.9	144.6	146.7	140.9
15.0	152.0	151.6	150.2	148.5	142.3	136.1	131.7	132.8	135.9	133.0
16.0	152.2	152.2	150.5	148.0	141.8	135.1	129.4	130.0	132.7	130.2
17.0	153.0	152.8	149.9	146.6	141.3	134.5	128.4	127.7	129.5	126.7
18.0	154.1	153.2	149.2	145.6	140.7	134.2	128.3	125.5	126.8	123.8
19.0	154.3	153.8	148.5	144.5	140.2	134.0	127.8	123.8	124.7	121.2
20.0	155.1	154.3	148.1	143.7	140.0	133.8	127.6	123.0	123.2	118.6
20.5	155.5	154.3	148.0	143.8	139.9	133.8	127.5	122.8	122.3	117.5
21.0	155.5	154.1	148.0	143.7	139.2	133.7	127.4	122.5	121.5	116.3
21.5	155.7	154.2	148.1	143.9	139.1	133.6	127.4	122.3	120.7	115.3
22.0	155.5	154.4	148.4	144.1	139.0	133.6	127.3	122.1	120.1	114.2
22.5	155.7	154.7	148.8	144.4	139.1	133.5	127.2	121.7	119.7	113.2
23.0	156.4	155.1	149.3	144.9	139.1	133.6	127.2	121.7	119.5	112.3
23.5	156.8	155.4	150.0	145.1	139.4	133.4	127.0	121.4	119.2	111.4
24.0	156.6	155.3	150.7	145.7	139.0	132.9	126.7	121.1	118.8	110.5
24.5	156.8	155.5	151.6	146.6	139.4	132.6	126.5	120.8	118.4	109.9
25.0	155.5	155.1	152.2	147.1	139.7	132.2	126.4	120.6	117.9	109.3
25.5	154.9	154.5	152.6	147.5	139.9	132.0	126.6	120.3	117.3	108.7
26.0	153.2	153.1	152.4	147.5	140.0	132.1	126.7	120.1	116.7	108.0
26.5	151.1	151.4	151.8	147.7	140.5	132.0	127.0	120.0	116.2	107.5
27.0	149.2	149.2	150.8	147.5	141.1	132.0	127.2	119.7	115.8	106.8
27.5	147.6	147.5	149.9	147.3	141.8	131.9	127.3	119.6	115.4	106.1
28.0	144.4	145.1	148.1	146.3	141.5	132.2	127.3	119.4	115.1	105.6
28.5	143.1	143.3	146.4	145.2	141.1	132.6	127.2	119.0	114.6	105.0
29.0	141.9	142.1	144.8	144.6	141.0	133.2	127.1	118.7	114.3	104.7
29.5	140.8	141.0	143.1	143.6	140.0	133.6	126.7	118.4	113.9	104.4
30.0	140.4	140.5	142.2	142.4	139.4	133.8	126.3	118.1	113.4	103.9
30.5	140.0	140.0	141.2	141.1	138.4	133.8	126.0	117.8	112.9	103.4
31.0	139.6	139.9	140.6	140.0	137.5	133.5	125.9	117.6	112.4	103.1
31.5	139.6	139.8	140.2	139.0	136.7	133.1	126.0	117.6	112.0	102.7
32.0	139.4	139.7	139.9	138.2	135.8	132.4	126.3	117.5	111.5	102.2
32.5	139.4	139.5	140.0	137.7	135.0	131.8	126.4	117.1	111.0	101.7
33.0	139.1	139.1	139.8	136.9	134.2	131.2	126.5	116.7	110.5	101.2
33.5	138.9	139.1	139.7	136.4	133.4	130.7	126.3	116.1	110.1	100.7
34.0	138.5	138.9	139.4	136.0	132.3	130.4	126.0	115.8	109.7	100.2
34.5	138.3	138.5	138.9	135.8	131.3	130.0	125.8	115.5	109.4	99.8
35.0	138.1	137.9	138.4	135.4	130.4	129.4	125.3	115.4	109.0	99.4
35.5	137.7	137.3	138.1	135.1	129.6	128.6	124.9	115.0	108.7	98.8
36.0	137.0	136.8	137.3	134.6	128.8	127.7	124.5	114.7	108.3	98.3
36.5	136.4	136.2	136.7	134.2	128.1	126.7	124.1	114.1	107.8	97.8
37.0	135.8	135.6	136.0	133.4	127.4	125.5	123.6	113.7	107.4	97.4
37.5	135.3	135.1	135.3	132.6	126.7	124.5	122.9	113.3	106.9	97.0
38.0	134.6	134.4	134.6	131.8	126.0	123.5	121.8	112.9	106.2	96.5
38.5	133.6	133.7	133.8	131.1	125.2	122.5	120.7	112.6	105.5	96.0
39.0	132.8	132.9	133.1	130.2	124.6	121.7	119.6	112.4	104.9	95.7
39.5	132.0	132.2	132.4	129.4	123.9	120.8	118.7	111.9	104.2	95.3
40.0	131.5	131.5	131.6	128.5	123.1	119.9	117.9	111.2	103.5	94.8
40.5	130.8	130.9	130.8	127.5	122.3	119.2	117.1	110.6	102.9	94.3
41.0	130.0	130.1	130.0	126.6	121.4	118.1	116.1	110.0	102.2	93.8

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CANDELA TABULATION - (Cont.)

41.5	129.2	129.3	129.1	125.7	120.4	117.4	114.9	109.3	101.4	93.2
42.0	128.4	128.4	128.1	124.6	119.5	116.0	113.5	108.5	100.5	92.7
42.5	127.6	127.4	127.2	123.5	118.5	115.2	112.0	107.6	99.8	92.3
43.0	126.9	126.6	126.1	122.5	117.6	113.7	110.6	106.4	99.0	91.8
43.5	126.3	125.8	125.2	121.3	116.6	112.4	109.3	105.0	98.2	91.3
44.0	125.5	125.1	124.3	120.2	115.5	111.3	108.2	103.2	97.3	90.7
44.5	124.9	124.4	123.5	119.2	114.5	110.3	107.1	102.3	96.4	90.3
45.0	123.9	123.8	122.5	118.1	113.6	109.3	106.0	100.8	95.4	89.8
45.5	123.1	123.0	121.6	117.1	112.6	108.4	104.9	99.9	94.7	89.3
46.0	122.4	122.2	120.8	115.8	111.5	107.4	103.6	98.3	93.9	88.7
46.5	121.6	121.5	119.8	114.6	110.2	106.4	102.5	96.9	93.1	88.2
47.0	121.0	120.9	119.1	113.5	109.1	105.3	101.4	95.8	92.5	87.5
47.5	120.3	120.2	118.3	112.3	107.8	103.9	100.3	94.9	91.8	86.9
48.0	119.6	119.7	117.5	111.0	106.5	102.5	98.9	94.0	91.0	86.4
48.5	119.0	119.2	116.8	109.9	105.2	100.9	97.7	93.2	90.3	85.9
49.0	118.6	118.9	116.0	108.7	104.1	99.4	96.4	92.4	89.4	85.3
49.5	118.6	118.6	115.3	107.7	102.9	98.0	95.1	91.2	88.5	84.8
50.0	118.3	118.2	114.6	106.4	101.4	96.4	93.6	89.8	87.3	84.1
51.0	118.1	118.2	113.5	104.1	98.5	93.6	90.6	87.3	85.2	82.8
52.0	118.3	118.7	112.5	101.5	95.5	90.8	87.6	84.7	83.2	81.6
53.0	119.2	119.9	112.3	99.2	92.9	87.8	85.1	82.1	81.0	80.3
54.0	120.9	121.8	112.6	97.0	90.0	84.7	82.3	79.0	78.8	78.7
55.0	123.4	124.7	113.8	94.9	87.2	81.6	79.3	76.1	76.8	77.3
57.5	132.3	130.8	119.8	89.7	79.8	74.1	71.6	69.9	71.2	72.6
60.0	132.6	131.4	124.3	85.1	72.7	66.9	64.9	63.9	65.5	68.0
62.5	126.0	127.3	121.4	81.5	65.5	59.8	58.8	58.0	60.0	63.5
65.0	120.8	122.1	117.6	80.3	58.8	53.2	53.0	52.3	55.0	58.8
67.5	116.2	117.4	116.3	81.8	53.1	47.4	47.0	46.7	49.1	52.8
70.0	109.3	110.7	113.7	84.1	47.9	41.4	41.1	41.0	42.0	45.2
72.5	100.4	101.4	108.3	83.9	43.4	35.6	35.0	34.3	34.4	35.2
75.0	92.2	92.6	102.0	78.9	39.0	29.8	28.1	27.8	27.4	28.0
77.5	83.2	84.2	92.6	72.2	35.0	24.1	22.9	22.9	22.2	21.6
80.0	74.9	75.5	83.8	64.1	30.3	19.8	18.7	18.8	19.1	17.9
82.5	66.2	65.7	72.6	55.4	26.7	16.6	15.5	16.2	17.0	15.6
85.0	54.9	54.8	59.1	45.8	23.5	14.0	13.4	14.2	15.0	13.7
87.5	41.6	41.1	45.0	36.5	20.3	12.1	11.6	12.4	13.2	12.1
90.0	27.0	26.8	28.3	27.2	16.5	10.8	10.1	10.8	11.4	10.7
92.5	14.6	14.7	16.5	17.9	12.5	9.4	8.8	9.3	9.7	9.4
95.0	10.4	10.5	10.8	11.3	9.6	8.3	7.8	8.0	8.4	8.2
97.5	8.9	8.9	8.6	8.5	7.8	7.3	6.8	6.8	7.0	6.9
100.0	8.1	8.1	7.9	7.4	7.0	6.5	6.0	5.7	5.8	5.4
102.5	7.7	7.6	7.4	7.0	6.5	6.0	5.3	4.8	4.6	3.9
105.0	7.1	7.1	6.9	6.5	6.1	5.5	4.7	4.0	3.6	2.9
107.5	6.7	6.7	6.5	6.1	5.6	5.0	4.2	3.4	2.8	2.2
110.0	6.2	6.2	6.0	5.7	5.2	4.6	3.7	2.9	2.3	1.7
112.5	5.8	5.7	5.5	5.2	4.7	4.1	3.3	2.6	1.9	1.4
115.0	5.2	5.2	4.9	4.6	4.2	3.7	2.9	2.2	1.6	1.1
117.5	4.5	4.5	4.4	4.1	3.8	3.3	2.5	1.9	1.4	0.9
120.0	4.0	4.0	3.8	3.6	3.3	2.9	2.2	1.6	1.2	0.8
122.5	3.4	3.4	3.3	3.2	2.8	2.4	1.8	1.4	0.9	0.6
125.0	3.0	3.0	2.9	2.8	2.5	2.1	1.6	1.2	0.8	0.5
127.5	2.5	2.5	2.4	2.3	2.1	1.7	1.3	0.9	0.6	0.3
130.0	2.2	2.1	2.0	1.9	1.8	1.5	1.1	0.8	0.5	0.3
132.5	1.7	1.7	1.6	1.5	1.4	1.1	0.8	0.5	0.3	0.1
135.0	1.4	1.3	1.3	1.2	1.0	0.8	0.5	0.3	0.1	0.0
137.5	1.1	1.0	1.0	1.0	0.8	0.6	0.3	0.2	0.1	0.0

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CANDELA TABULATION - (Cont.)

140.0	0.8	0.7	0.7	0.6	0.5	0.3	0.1	0.0	0.0	0.0
142.5	0.5	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0
145.0	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0
147.5	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Vert. Angles **Horizontal Angles**

	<u>90.0</u>	<u>95.0</u>	<u>100.0</u>	<u>105.0</u>	<u>107.5</u>	<u>110.0</u>	<u>112.5</u>	<u>115.0</u>	<u>116.0</u>	<u>117.0</u>
0.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2.5	101.4	98.8	96.4	94.1	93.2	92.4	91.3	90.6	90.2	90.0
5.0	108.5	102.7	97.4	92.7	90.7	88.8	87.2	85.7	85.1	84.5
7.5	121.8	113.0	104.7	96.6	93.1	90.1	87.1	84.7	83.8	82.9
10.0	135.1	125.5	114.8	104.6	99.9	95.2	91.0	86.9	85.5	84.0
12.5	135.3	126.5	116.7	106.6	101.8	96.9	91.5	86.6	84.6	82.8
15.0	129.0	121.9	114.5	104.0	97.8	91.2	85.0	79.5	77.2	75.4
16.0	126.6	120.6	112.7	101.5	95.5	88.9	82.0	75.8	73.6	71.7
17.0	123.6	118.9	111.6	100.0	93.1	85.4	78.1	72.2	69.9	67.9
18.0	121.2	116.6	109.8	98.4	90.9	82.7	75.0	68.8	66.5	64.6
19.0	119.1	115.0	108.1	95.3	87.8	79.7	72.1	66.3	63.7	62.1
20.0	116.6	113.0	106.5	93.2	85.1	76.7	69.4	63.8	61.4	59.8
20.5	115.3	111.9	105.5	92.0	83.8	75.9	68.1	62.6	60.3	58.7
21.0	114.2	110.9	104.4	90.6	82.5	74.5	66.9	61.5	59.3	57.7
21.5	113.2	110.2	103.5	89.3	81.3	73.3	65.8	60.6	58.4	56.9
22.0	112.1	109.5	102.6	88.0	80.0	71.9	64.7	59.6	57.5	56.0
22.5	111.0	108.9	101.9	86.8	78.7	70.5	63.6	58.7	56.7	55.3
23.0	109.9	107.9	101.2	85.8	77.5	69.4	62.8	58.0	56.2	54.7
23.5	108.7	106.5	100.1	85.0	76.3	68.2	62.0	57.3	55.6	54.1
24.0	107.6	105.5	99.1	83.9	75.0	67.2	61.4	56.9	55.2	53.8
24.5	106.7	104.6	98.1	82.6	73.7	66.3	60.8	56.4	54.9	53.5
25.0	106.0	103.9	97.4	81.4	72.6	65.6	60.2	56.2	54.7	53.5
25.5	105.1	103.4	96.9	80.2	71.4	64.8	59.8	55.9	54.7	53.6
26.0	104.2	102.7	96.1	79.2	70.2	64.1	59.5	55.8	54.7	53.7
26.5	103.4	102.0	95.2	78.1	69.2	63.5	59.2	55.9	54.9	54.1
27.0	102.8	101.3	94.3	76.9	68.5	63.0	58.9	55.9	55.1	54.6
27.5	102.3	100.6	93.7	75.9	67.8	62.6	58.7	56.1	55.5	55.2
28.0	101.8	100.1	93.2	75.1	67.2	62.3	58.6	56.3	55.9	55.9
28.5	101.2	99.4	92.4	74.3	66.6	62.0	58.5	56.6	56.4	56.6
29.0	100.8	99.3	91.7	73.5	66.2	61.8	58.6	57.1	57.2	57.6
29.5	100.4	99.2	91.0	72.9	65.9	61.6	58.7	57.6	57.9	58.6
30.0	100.1	98.9	90.3	72.2	65.7	61.6	58.9	58.2	58.7	59.8
30.5	99.8	98.5	90.1	71.6	65.5	61.5	59.1	59.0	59.7	61.2
31.0	99.5	98.1	89.2	71.3	65.4	61.6	59.5	59.7	60.8	62.7
31.5	99.1	97.8	88.6	71.0	65.5	61.8	60.0	60.8	62.1	64.5

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

32.0	98.6	97.6	87.6	70.4	65.5	62.0	60.4	61.8	63.4	66.3
32.5	98.0	97.5	87.2	70.0	65.5	62.1	60.9	62.9	65.0	68.4
33.0	97.5	97.2	86.6	69.6	65.4	62.3	61.5	64.2	66.7	70.8
33.5	97.0	96.6	86.1	69.2	65.3	62.6	62.0	65.6	68.6	73.6
34.0	96.3	96.0	85.1	68.9	65.2	62.7	62.6	67.1	70.7	76.4
34.5	95.8	95.5	84.4	68.8	65.2	63.0	63.4	68.9	73.2	79.8
35.0	95.3	95.2	83.6	68.4	65.1	63.2	64.1	70.8	75.9	83.3
35.5	94.9	94.9	83.2	68.0	65.0	63.4	65.0	73.0	78.8	87.2
36.0	94.5	94.4	82.5	67.8	64.9	63.6	65.9	75.3	81.9	90.9
36.5	94.0	93.6	82.0	67.6	64.8	64.0	66.9	77.9	85.2	94.6
37.0	93.7	92.9	80.9	67.6	64.9	64.5	68.3	80.9	88.9	98.7
37.5	93.4	92.3	80.1	67.7	65.1	64.8	69.6	84.1	92.7	102.8
38.0	92.9	91.9	79.4	67.4	65.2	65.6	71.1	87.2	96.3	106.5
38.5	92.6	91.5	78.9	67.2	65.4	66.3	72.9	90.2	99.4	109.4
39.0	92.2	90.8	78.3	67.2	65.7	67.2	74.9	93.6	102.7	112.2
39.5	91.7	89.9	77.6	67.2	66.0	68.2	77.1	97.3	106.4	115.4
40.0	91.2	89.1	76.7	67.4	66.4	69.3	79.6	101.2	110.3	118.4
40.5	90.8	88.5	76.1	67.6	66.9	70.2	82.0	104.5	113.4	120.4
41.0	90.6	88.2	75.5	67.6	67.5	71.4	84.3	107.0	115.2	121.0
41.5	90.2	87.9	75.2	67.5	68.0	72.9	87.0	109.5	116.7	120.7
42.0	89.8	87.3	74.8	67.5	68.5	74.5	90.1	112.7	118.7	121.2
42.5	89.2	86.5	74.4	67.9	69.3	76.3	93.4	115.7	120.7	122.0
43.0	88.8	85.7	73.8	68.4	70.2	78.2	96.5	117.6	121.5	121.5
43.5	88.4	85.2	73.2	68.6	71.1	80.1	99.3	118.5	121.0	119.7
44.0	88.0	84.8	72.9	68.8	72.0	82.1	102.3	119.4	120.3	117.1
44.5	87.5	84.2	72.7	69.2	73.0	84.3	105.6	121.0	120.2	115.2
45.0	87.1	83.3	72.4	69.5	74.0	86.6	108.5	121.9	120.1	113.7
45.5	86.7	82.6	71.9	70.1	75.2	88.9	110.7	121.8	119.0	111.5
46.0	86.2	81.7	71.4	70.6	76.3	90.8	112.0	120.1	116.1	107.7
46.5	85.7	81.3	70.9	71.0	77.5	92.6	113.2	117.9	112.3	102.4
47.0	85.4	81.0	70.8	71.4	78.7	94.7	114.3	115.7	108.5	97.0
47.5	85.0	80.7	70.8	72.0	80.3	96.8	115.1	113.5	105.0	92.1
48.0	84.5	80.0	70.4	72.8	81.9	99.0	115.7	111.0	101.3	87.4
48.5	84.0	79.3	70.0	73.6	83.5	101.0	116.0	108.0	96.9	82.2
49.0	83.5	78.7	69.6	74.3	84.9	102.6	115.9	104.5	92.2	77.0
49.5	83.1	78.2	69.3	74.8	85.9	103.7	115.0	100.8	87.4	71.7
50.0	82.7	77.6	69.0	75.1	86.9	104.4	113.4	96.8	82.5	66.6
51.0	81.6	76.2	68.5	76.6	89.4	106.2	110.6	88.7	73.3	58.3
52.0	80.6	74.7	67.8	78.0	91.2	106.3	106.8	79.8	65.1	50.8
53.0	79.4	73.4	67.6	79.3	92.7	105.8	100.8	70.6	56.4	43.7
54.0	77.8	72.0	67.1	80.8	94.2	105.1	95.6	63.1	50.0	38.9
55.0	76.3	70.1	66.5	81.8	94.6	101.8	88.2	55.1	43.6	34.1
57.5	71.5	66.1	65.1	82.4	93.0	92.4	70.4	40.0	31.7	24.5
60.0	66.6	61.5	63.4	80.6	88.0	80.3	54.7	30.2	23.6	17.5
62.5	62.2	57.3	61.1	76.1	80.5	68.1	42.5	22.7	17.1	12.1
65.0	58.2	54.3	58.8	70.5	71.3	55.7	31.5	16.2	11.6	7.9
67.5	52.8	49.5	54.9	63.0	60.1	43.4	22.7	10.9	7.4	5.1
70.0	45.4	42.8	47.8	53.7	46.8	30.2	14.8	7.7	5.6	4.0
72.5	34.7	33.7	38.0	41.4	32.9	17.6	8.8	5.7	4.4	3.3
75.0	27.5	27.2	30.3	27.4	19.8	8.8	3.7	2.5	2.2	2.0
77.5	21.8	20.8	19.9	14.3	9.9	5.2	2.7	1.9	1.7	1.6
80.0	18.2	17.4	14.7	9.2	5.7	3.0	1.9	1.5	1.3	1.3
82.5	15.9	15.5	13.0	7.8	4.7	2.5	1.6	1.3	1.2	1.1
85.0	13.5	13.6	11.6	6.9	4.2	2.2	1.4	1.2	1.0	1.0
87.5	11.4	11.8	10.2	6.1	3.7	2.0	1.3	1.0	0.9	0.9
90.0	9.8	10.3	8.9	5.4	3.2	1.8	1.2	0.9	0.8	0.8

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CANDELA TABULATION - (Cont.)

92.5	8.5	8.7	7.9	4.8	2.9	1.7	1.2	0.9	0.8	0.7
95.0	7.2	7.3	6.7	4.1	2.5	1.5	1.1	0.8	0.8	0.7
97.5	5.9	5.7	5.4	3.3	2.0	1.2	0.9	0.7	0.6	0.6
100.0	4.4	4.2	3.8	2.5	1.5	0.9	0.7	0.5	0.5	0.4
102.5	3.1	2.6	2.7	1.8	1.1	0.8	0.6	0.4	0.4	0.3
105.0	2.3	1.8	1.5	1.0	0.7	0.6	0.4	0.3	0.3	0.3
107.5	1.8	1.3	0.8	0.6	0.5	0.4	0.3	0.2	0.1	0.1
110.0	1.4	1.1	0.7	0.5	0.4	0.3	0.2	0.1	0.1	0.1
112.5	1.2	0.9	0.6	0.3	0.3	0.2	0.1	0.1	0.1	0.0
115.0	1.0	0.7	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0
117.5	0.7	0.5	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0
120.0	0.7	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0
122.5	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.0	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Vert. Horizontal Angles
Angles

	<u>118.0</u>	<u>119.0</u>	<u>120.0</u>	<u>121.0</u>	<u>122.0</u>	<u>123.0</u>	<u>124.0</u>	<u>125.0</u>	<u>130.0</u>	<u>135.0</u>
0.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2.5	89.8	89.4	89.1	88.8	88.6	87.9	87.7	87.4	86.1	85.0
5.0	84.0	83.5	83.0	82.8	82.2	82.1	81.7	81.3	79.8	78.9
7.5	82.1	81.4	80.6	80.0	79.3	78.7	78.3	77.8	75.4	73.8
10.0	82.8	81.4	80.1	78.9	77.8	76.8	75.7	74.8	70.6	66.7
12.5	80.8	79.4	77.4	76.0	74.2	73.0	71.4	69.8	64.0	58.8
15.0	73.4	72.3	69.9	68.9	66.6	65.5	63.9	62.3	56.6	50.9
16.0	69.5	68.4	65.9	65.0	62.8	62.0	60.4	58.9	53.2	48.0
17.0	65.8	64.6	62.3	61.3	59.3	58.4	57.0	55.5	49.9	45.5
18.0	62.7	61.5	59.3	58.2	56.4	55.5	54.1	52.6	47.4	43.9
19.0	59.9	58.6	56.7	55.6	53.8	52.8	51.4	50.1	45.7	43.6
20.0	57.7	56.4	54.6	53.3	51.8	50.7	49.5	48.5	45.1	45.3
20.5	56.6	55.5	53.6	52.4	50.9	49.9	48.9	47.9	45.3	47.1
21.0	55.8	54.5	52.7	51.6	50.3	49.3	48.5	47.7	45.7	50.0
21.5	55.1	53.7	52.1	51.0	49.8	49.0	48.3	47.6	46.8	54.2
22.0	54.2	53.0	51.4	50.4	49.4	48.7	48.1	47.6	48.3	59.6

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CANDELA TABULATION - (Cont.)

22.5	53.5	52.3	50.9	50.1	49.2	48.6	48.3	47.9	50.4	66.8
23.0	53.1	51.9	50.8	50.0	49.4	48.9	48.7	48.6	53.5	75.3
23.5	52.7	51.6	50.7	50.0	49.6	49.3	49.3	49.5	57.7	82.1
24.0	52.5	51.5	50.8	50.2	50.0	49.9	50.4	50.8	62.8	91.5
24.5	52.4	51.5	51.1	50.6	50.7	50.9	51.9	52.7	68.9	100.5
25.0	52.6	51.8	51.5	51.4	51.8	52.2	53.8	55.2	75.8	108.9
25.5	52.8	52.3	52.3	52.4	53.2	54.0	56.3	58.3	83.0	115.7
26.0	53.3	52.9	53.1	53.5	54.8	56.3	59.2	62.1	90.4	120.6
26.5	53.8	53.7	54.2	55.0	56.7	58.9	62.6	65.4	97.8	122.6
27.0	54.5	54.6	55.5	56.7	59.0	61.8	66.4	70.1	105.0	124.5
27.5	55.3	55.8	57.0	58.7	61.6	65.1	70.6	75.1	111.3	124.5
28.0	56.3	57.1	58.8	61.2	64.6	69.1	75.4	80.6	117.8	123.1
28.5	57.3	58.6	60.8	63.8	68.1	73.6	80.8	86.5	121.0	120.5
29.0	58.6	60.3	63.0	66.9	72.0	78.6	86.5	92.9	123.2	116.6
29.5	60.0	62.1	65.4	70.1	76.0	83.5	91.9	98.9	124.6	111.7
30.0	61.6	64.2	68.2	73.8	80.4	88.6	97.1	104.1	125.3	105.7
30.5	63.3	66.7	71.4	78.0	85.4	92.6	102.6	108.9	124.8	98.9
31.0	65.4	69.4	75.1	82.7	90.8	99.9	108.2	113.6	122.7	91.6
31.5	67.8	72.5	79.1	87.5	96.1	103.9	113.2	118.1	119.1	83.8
32.0	70.2	75.9	83.2	92.3	101.0	108.6	117.0	121.2	114.4	75.9
32.5	73.2	79.7	87.8	97.3	105.8	112.7	119.9	123.3	109.3	67.7
33.0	76.5	84.0	92.9	102.6	110.7	116.6	122.1	124.3	103.7	59.6
33.5	80.0	88.3	97.7	107.7	115.3	120.1	123.9	124.6	97.2	51.8
34.0	83.7	92.7	102.3	111.8	118.7	122.7	125.1	124.4	90.1	44.7
34.5	87.7	97.2	106.6	115.3	121.1	124.1	125.2	123.5	82.7	38.5
35.0	91.9	101.6	110.8	118.4	122.6	124.6	124.2	121.3	75.1	33.0
35.5	96.3	106.2	114.8	121.0	123.9	124.4	122.2	118.2	69.7	28.3
36.0	100.4	110.0	117.8	122.7	124.4	123.6	119.4	114.0	62.7	24.3
36.5	104.0	113.1	119.8	123.4	124.0	122.0	116.1	109.2	55.9	21.1
37.0	107.8	116.0	121.2	123.5	122.9	119.5	112.1	103.9	49.6	18.7
37.5	111.8	119.0	122.6	123.4	121.2	116.2	107.2	98.1	43.5	16.7
38.0	115.2	121.2	123.6	122.8	118.9	112.4	102.0	92.0	37.9	15.1
38.5	117.3	122.0	123.4	121.2	115.9	108.2	96.4	85.7	33.0	13.7
39.0	118.7	121.9	122.1	118.6	112.0	102.0	90.1	79.3	27.8	12.5
39.5	120.2	121.8	120.4	115.1	107.2	96.0	83.3	70.7	25.2	11.5
40.0	122.2	122.5	119.0	111.7	102.3	89.8	76.7	64.2	22.0	10.6
40.5	123.2	122.3	117.5	108.5	97.5	83.9	70.5	58.2	19.3	9.7
41.0	122.7	120.6	114.7	104.5	92.5	78.3	64.8	52.8	17.1	9.0
41.5	121.0	117.4	110.5	99.2	86.5	72.1	59.0	47.7	15.3	8.3
42.0	119.5	114.1	105.3	93.1	79.8	65.7	53.2	42.7	13.8	7.7
42.5	118.7	111.4	100.8	87.1	73.3	59.5	47.8	38.1	12.6	7.2
43.0	117.3	108.7	96.6	81.8	67.7	54.0	43.0	33.9	11.3	6.7
43.5	114.2	104.4	91.5	76.5	62.3	49.3	38.7	30.3	10.6	6.2
44.0	109.9	98.8	85.3	70.4	56.8	44.8	35.0	27.0	9.7	5.7
44.5	106.0	93.3	78.7	64.2	51.3	40.3	31.3	24.1	9.0	5.4
45.0	102.8	88.5	73.1	58.4	46.3	36.2	27.8	21.3	8.3	5.0
45.5	99.4	84.2	68.3	53.8	42.3	32.6	24.9	18.9	7.7	4.7
46.0	94.7	79.1	63.5	49.8	39.0	29.8	22.3	16.9	7.1	4.3
46.5	88.6	73.4	58.6	46.0	36.0	27.3	20.8	15.3	6.7	4.1
47.0	82.1	67.1	53.3	42.1	32.9	24.9	18.3	14.0	6.3	3.9
47.5	76.3	61.4	48.3	38.2	29.7	22.3	17.0	12.8	5.9	3.7
48.0	71.2	56.4	44.2	34.6	26.7	20.0	14.8	11.6	5.5	3.4
48.5	66.2	52.2	40.7	31.7	24.1	17.8	13.6	10.6	5.1	3.1
49.0	61.3	48.4	37.6	29.2	21.9	16.1	12.4	9.6	4.8	3.0
49.5	56.5	44.6	34.9	26.8	19.9	14.5	11.3	8.9	4.6	2.9
50.0	51.9	40.9	31.8	24.3	17.8	13.0	10.1	8.1	4.2	2.6

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CANDELA TABULATION - (Cont.)

51.0	45.2	35.6	27.0	20.1	14.5	10.7	8.5	7.0	3.8	2.4
52.0	39.5	31.2	23.2	16.8	12.0	8.9	7.2	6.0	3.3	2.1
53.0	33.9	26.4	19.3	13.8	9.9	7.6	6.2	5.3	2.9	1.9
54.0	29.9	22.8	16.2	11.3	8.2	6.5	5.4	4.7	2.7	1.7
55.0	26.5	19.5	13.6	9.5	7.0	5.7	4.8	4.3	2.5	1.6
57.5	18.1	12.6	8.4	6.2	5.0	4.3	3.8	3.3	2.0	1.3
60.0	12.1	8.2	5.8	4.6	3.9	3.4	3.0	2.8	1.7	1.0
62.5	8.0	5.6	4.2	3.5	3.0	2.7	2.5	2.2	1.4	0.8
65.0	5.3	4.0	3.2	2.8	2.5	2.3	2.1	1.9	1.1	0.7
67.5	3.7	3.0	2.5	2.3	2.0	1.9	1.7	1.6	0.9	0.5
70.0	3.0	2.4	2.1	1.9	1.8	1.6	1.4	1.3	0.8	0.4
72.5	2.4	2.0	1.8	1.6	1.5	1.4	1.2	1.1	0.7	0.3
75.0	1.7	1.6	1.5	1.3	1.2	1.1	1.1	0.9	0.5	0.2
77.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.8	0.4	0.1
80.0	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.6	0.3	0.1
82.5	1.0	0.9	0.8	0.8	0.7	0.6	0.6	0.5	0.2	0.0
85.0	0.9	0.8	0.8	0.6	0.6	0.5	0.4	0.4	0.2	0.0
87.5	0.8	0.7	0.7	0.6	0.5	0.5	0.4	0.3	0.1	0.0
90.0	0.7	0.7	0.6	0.5	0.4	0.4	0.3	0.3	0.0	0.0
92.5	0.6	0.6	0.5	0.5	0.4	0.3	0.3	0.2	0.0	0.0
95.0	0.6	0.5	0.5	0.4	0.4	0.4	0.2	0.2	0.0	0.0
97.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.0	0.0
100.0	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.0	0.0
102.5	0.3	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0
105.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
107.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
112.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles	
	<u>157.5</u>	<u>180.0</u>
0.0	99.4	99.4
2.5	82.2	81.9
5.0	75.5	74.6
7.5	67.4	65.1
10.0	55.7	50.7
12.5	44.4	40.2
15.0	40.0	41.6
16.0	42.9	53.9
17.0	52.6	74.6
18.0	70.5	92.5
19.0	90.0	101.4
20.0	104.3	99.5
20.5	108.2	93.6
21.0	109.5	84.8
21.5	108.5	75.5
22.0	104.8	66.9
22.5	98.9	59.6
23.0	91.0	53.3
23.5	82.4	47.6
24.0	74.1	42.9
24.5	66.2	38.6
25.0	58.8	35.0
25.5	52.0	31.8
26.0	46.0	28.9
26.5	40.8	26.2
27.0	36.5	23.9
27.5	32.7	22.7
28.0	29.3	20.7
28.5	26.2	18.8
29.0	23.4	17.0
29.5	21.1	15.5
30.0	18.9	14.0
30.5	16.9	12.7
31.0	15.2	11.4
31.5	13.7	10.3
32.0	12.3	9.2
32.5	11.2	8.3
33.0	10.1	7.4
33.5	9.1	6.6
34.0	8.2	5.8
34.5	7.5	5.2
35.0	6.7	4.5
35.5	6.1	3.9
36.0	5.5	3.4
36.5	4.9	2.9
37.0	4.6	2.5
37.5	4.2	2.2
38.0	3.8	2.0
38.5	3.4	1.5
39.0	3.1	1.4
39.5	2.8	1.2
40.0	2.6	1.0
40.5	2.2	0.7

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CANDELA TABULATION - (Cont.)

41.0	2.0	0.7
41.5	1.8	0.6
42.0	1.6	0.4
42.5	1.4	0.3
43.0	1.3	0.3
43.5	1.2	0.2
44.0	1.0	0.1
44.5	0.9	0.0
45.0	0.7	0.0
45.5	0.7	0.0
46.0	0.5	0.0
46.5	0.6	0.0
47.0	0.5	0.0
47.5	0.4	0.0
48.0	0.3	0.0
48.5	0.2	0.0
49.0	0.2	0.0
49.5	0.3	0.0
50.0	0.1	0.0
51.0	0.0	0.0
52.0	0.0	0.0
53.0	0.0	0.0
54.0	0.0	0.0
55.0	0.0	0.0
57.5	0.0	0.0
60.0	0.0	0.0
62.5	0.0	0.0
65.0	0.0	0.0
67.5	0.0	0.0
70.0	0.0	0.0
72.5	0.0	0.0
75.0	0.0	0.0
77.5	0.0	0.0
80.0	0.0	0.0
82.5	0.0	0.0
85.0	0.0	0.0
87.5	0.0	0.0
90.0	0.0	0.0
92.5	0.0	0.0
95.0	0.0	0.0
97.5	0.0	0.0
100.0	0.0	0.0
102.5	0.0	0.0
105.0	0.0	0.0
107.5	0.0	0.0
110.0	0.0	0.0
112.5	0.0	0.0
115.0	0.0	0.0
117.5	0.0	0.0
120.0	0.0	0.0
122.5	0.0	0.0
125.0	0.0	0.0
127.5	0.0	0.0
130.0	0.0	0.0
132.5	0.0	0.0
135.0	0.0	0.0

IES INDOOR REPORT
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CANDELA TABULATION - (Cont.)

137.5	0.0	0.0
140.0	0.0	0.0
142.5	0.0	0.0
145.0	0.0	0.0
147.5	0.0	0.0
150.0	0.0	0.0
152.5	0.0	0.0
155.0	0.0	0.0
157.5	0.0	0.0
160.0	0.0	0.0
162.5	0.0	0.0
165.0	0.0	0.0
167.5	0.0	0.0
170.0	0.0	0.0
172.5	0.0	0.0
175.0	0.0	0.0
177.5	0.0	0.0
180.0	0.0	0.0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : MEZLEDEM120-277V.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	40.53	N.A.	11.50
0-30	87.78	N.A.	25.00
0-40	142.01	N.A.	40.40
0-60	248.33	N.A.	70.70
0-80	322.43	N.A.	91.80
0-90	339.04	N.A.	96.50
10-90	328.45	N.A.	93.50
20-40	101.47	N.A.	28.90
20-50	156.40	N.A.	44.50
40-70	150.23	N.A.	42.80
60-80	74.10	N.A.	21.10
70-80	30.19	N.A.	8.60
80-90	16.60	N.A.	4.70
90-110	9.30	N.A.	2.60
90-120	11.05	N.A.	3.10
90-130	11.93	N.A.	3.40
90-150	12.27	N.A.	3.50
90-180	12.27	N.A.	3.50
110-180	2.97	N.A.	0.80
0-180	351.31	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	10.59
10-20	29.95
20-30	47.24
30-40	54.23
40-50	54.92
50-60	51.40
60-70	43.91
70-80	30.19
80-90	16.60
90-100	6.27
100-110	3.03
110-120	1.75
120-130	0.88
130-140	0.31
140-150	0.04
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	107	101	96	92	103	98	94	90	94	90	87	89	86	83	85	82	80	78
2	96	87	80	74	93	85	78	73	81	75	70	77	72	68	74	70	66	64
3	88	76	68	61	85	75	67	60	71	64	59	68	62	57	65	60	56	53
4	80	68	58	51	77	66	57	51	63	56	50	60	54	49	58	52	48	45
5	74	60	51	44	71	59	50	44	56	49	43	54	47	42	52	46	41	39
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	47	41	36	34
7	63	49	40	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	30	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	36	30	26	24
10	51	38	30	25	50	37	30	24	36	29	24	35	28	24	34	28	24	22

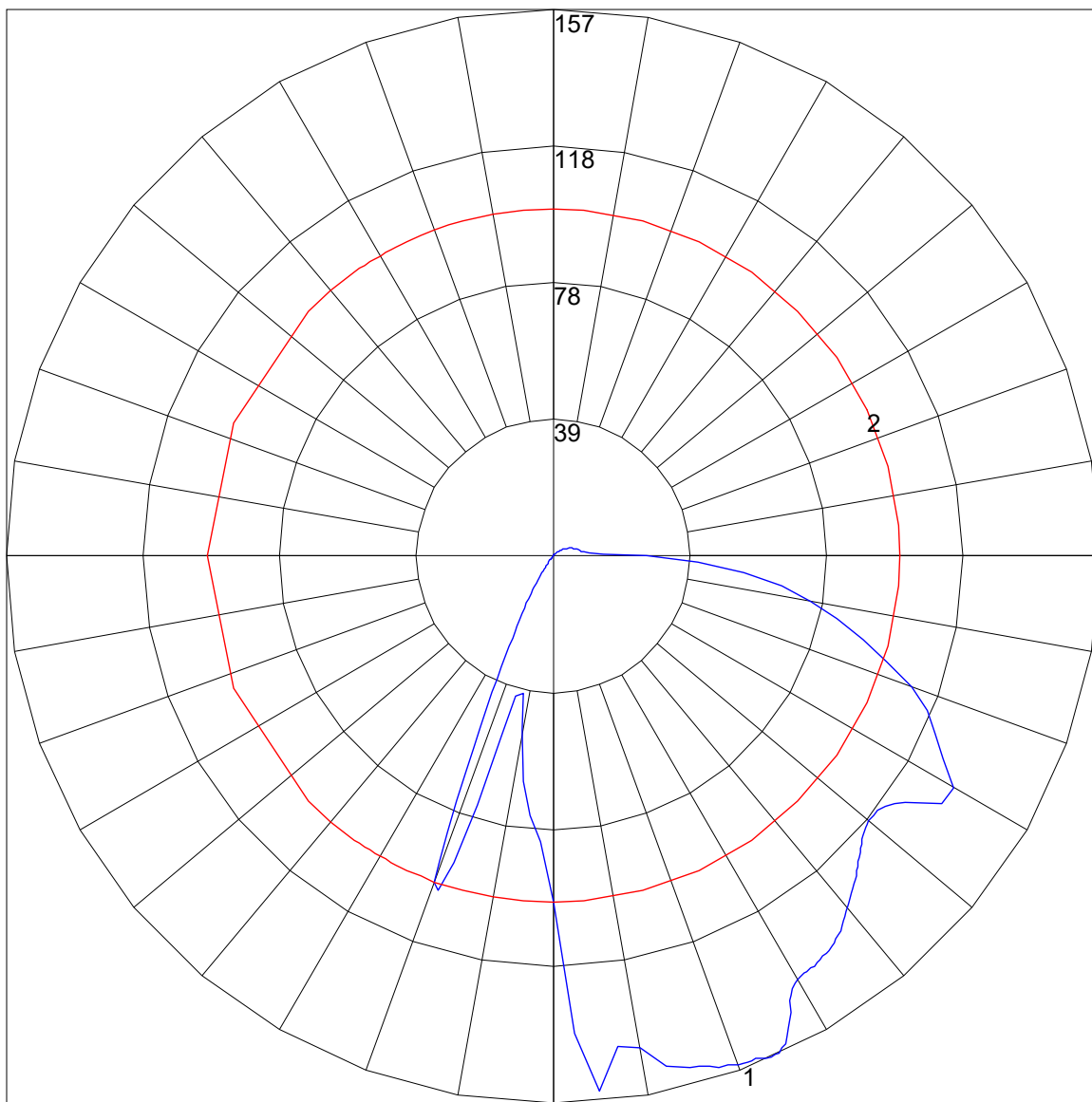
IES INDOOR REPORT
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UGR TABLE - CORRECTED

Reflectances											
Ceiling Cavity	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor Cavity	20	20	20	20	20	20	20	20	20	20	
Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	23.0	24.6	23.4	25.0	25.4	20.0	21.6	20.4	22.0	22.4
	3H	26.3	27.8	26.8	28.2	28.6	21.3	22.7	21.7	23.1	23.6
	4H	27.6	28.9	28.0	29.4	29.8	21.6	23.0	22.0	23.4	23.9
	6H	28.6	29.8	29.0	30.3	30.8	21.7	23.0	22.2	23.5	23.9
	8H	29.0	30.2	29.4	30.6	31.1	21.8	23.0	22.3	23.5	24.0
	12H	29.3	30.4	29.8	30.9	31.4	21.8	23.0	22.3	23.5	24.0
4H	2H	23.0	24.4	23.5	24.8	25.3	20.1	21.4	20.5	21.9	22.3
	3H	26.5	27.6	26.9	28.1	28.6	21.5	22.6	21.9	23.1	23.6
	4H	28.0	29.0	28.5	29.5	30.0	21.8	22.9	22.3	23.3	23.9
	6H	29.3	30.2	29.8	30.7	31.3	22.0	23.0	22.5	23.5	24.0
	8H	29.8	30.7	30.4	31.2	31.8	22.1	23.0	22.6	23.5	24.1
	12H	30.3	31.1	30.8	31.6	32.2	22.2	23.0	22.8	23.6	24.1
8H	4H	27.9	28.8	28.4	29.3	29.9	22.0	22.8	22.5	23.4	23.9
	6H	29.4	30.1	29.9	30.7	31.2	22.2	23.0	22.8	23.5	24.1
	8H	30.0	30.7	30.6	31.3	31.9	22.3	23.0	22.9	23.6	24.2
	12H	30.7	31.3	31.2	31.8	32.5	22.5	23.1	23.1	23.6	24.3
12H	4H	27.9	28.7	28.4	29.2	29.8	22.1	22.9	22.6	23.4	24.0
	6H	29.3	30.0	29.9	30.6	31.2	22.3	23.0	22.9	23.5	24.2
	8H	30.0	30.6	30.6	31.2	31.8	22.5	23.1	23.0	23.6	24.3

Maximum UGR = 32.5

POLAR GRAPH



Maximum Candela = 156.8 Located At Horizontal Angle = 0, Vertical Angle = 23.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)