



IES INDOOR REPORT
PHOTOMETRIC FILENAME : DECOLED.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]ITL85540
 [TESTLAB]
 [ISSUEDATE]09/01/15
 [MANUFAC]BEGHELLI
 [LUMCAT]DECOLED
 [LUMINAIRE]MOLDED WHITE PLASTIC HOUSING WITH TWO DISTINCT OPTICAL
 [MORE]COMPARTMENTS, EACH OPTICAL COMPARTMENT CONSISTS OF: ONE WHITE
 [MORE]CIRCUIT BOARD WITH 12 LEDS, MOLDED PLASTIC REFLECTOR WITH ONE
 [MORE]APERTURE PER LED AND SPECULAR FINISH, CLEAR PRISMATIC PLASTIC
 [MORE]LENS. LENS PRISMS IN AND OUT.
 [LAMP]TWENTY-FOUR WHITE LIGHT EMITTING DIODES (LEDS), AIMED AT THE
 [MORE]HORIZON AND CANTED 28-DEGREES FROM STRAIGHT AHEAD.
 [OTHER]INPUT ELECTRICAL: 3.60 VOLTS, 2.05 WATTS, 0.569 AMPS
 [_ MOUNTING]WALL
 [_ NOTE]DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT CUSTOMER
 [MORE]REQUESTED INPUT VOLTAGE (3.6VDC) TO THE BEST LIGHTING PRODUCTS
 [MORE]PROPRIETARY CIRCUIT BOARD.
 [OTHER]TEST PROCEDURE: IESNA LM-79-08
 [OTHER]TEST DISTANCE = 20.0 FEET
 [_ ABSOLUTE]LUMENS]202

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	202
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	2.05
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.15 ft
Luminous Width (90-270)	0.98 ft
Luminous Height	0.40 ft

IES INDOOR REPORT
PHOTOMETRIC FILENAME : DECOLED.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	596	587	572
55	1116	988	669
65	1347	1213	1107
75	1645	1451	1573
85	1852	1416	2507

IES INDOOR REPORT
PHOTOMETRIC FILENAME : DECOLED.IES

CANDELA TABULATION

	<u>0.0</u>	<u>2.5</u>	<u>5.0</u>	<u>7.5</u>	<u>10.0</u>	<u>12.5</u>	<u>15.0</u>	<u>20.0</u>	<u>22.5</u>	<u>25.0</u>
0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.5	1.4
5.0	3.4	3.4	3.3	3.2	3.3	3.2	3.3	3.1	3.2	3.0
7.5	5.8	5.7	5.6	5.5	5.4	5.3	5.3	5.2	5.1	4.9
10.0	7.7	7.6	7.5	7.4	7.4	7.3	7.3	7.0	6.9	6.6
12.5	9.7	9.6	9.5	9.3	9.3	9.1	9.1	8.7	8.7	8.4
15.0	11.5	11.4	11.4	11.3	11.2	11.1	11.2	10.7	10.6	10.3
17.5	13.7	13.7	13.7	13.4	13.3	13.1	13.0	12.6	12.4	12.1
20.0	15.8	15.9	15.7	15.4	15.1	14.6	14.3	13.6	13.3	13.0
22.5	17.0	16.8	16.7	16.4	16.2	15.8	15.5	14.6	14.0	13.6
25.0	16.1	16.1	16.0	16.0	15.8	15.8	15.6	15.0	14.6	14.2
27.5	15.7	15.7	15.7	15.7	15.8	15.7	15.7	15.5	15.3	15.0
30.0	15.1	15.3	15.4	15.3	15.3	15.2	15.3	15.3	15.1	14.9
32.5	14.5	14.5	14.5	14.6	14.6	14.8	14.9	14.7	14.7	14.7
35.0	16.0	15.7	15.7	15.6	15.7	15.7	15.9	15.8	15.7	15.4
37.5	19.5	19.5	19.6	19.3	19.5	19.2	19.0	18.6	18.5	18.2
40.0	18.9	19.1	19.4	20.0	19.9	19.9	19.8	19.3	19.2	19.2
42.5	19.9	19.9	20.3	20.5	20.8	20.4	20.5	20.6	20.8	20.7
45.0	21.1	21.4	21.4	21.7	21.8	21.7	21.9	21.8	21.9	22.2
47.5	24.1	24.5	24.3	25.2	25.4	25.8	26.4	26.3	26.8	26.4
50.0	31.7	31.8	30.7	31.0	31.1	31.7	32.6	32.7	33.4	33.0
52.5	40.1	39.6	37.7	36.2	36.7	36.5	36.8	36.0	36.1	35.9
55.0	42.1	41.4	40.3	38.7	39.1	39.2	39.8	37.9	37.2	36.0
57.5	43.8	42.7	41.5	39.9	40.7	42.1	43.3	41.4	40.0	38.3
60.0	45.8	45.0	43.4	41.9	42.7	44.8	46.4	45.5	44.1	42.4
62.5	49.1	48.4	46.3	44.8	45.0	47.0	49.0	48.2	47.0	46.3
65.0	52.4	51.9	49.4	47.3	47.0	48.8	51.4	50.9	49.7	49.5
67.5	55.3	54.5	52.0	50.2	49.1	51.0	53.3	53.1	51.4	51.1
70.0	58.3	57.3	53.9	52.1	50.7	52.5	55.2	55.3	53.5	52.8
72.5	60.3	59.6	56.4	54.5	52.9	54.7	57.7	58.5	56.7	55.2
75.0	64.0	63.1	59.5	57.3	55.5	57.1	60.3	61.4	58.8	56.8
77.5	67.5	66.0	62.0	59.3	57.5	58.9	61.8	62.2	59.8	57.5
80.0	69.0	67.3	63.2	60.3	58.7	59.8	62.2	61.7	59.8	57.1
82.5	69.8	67.4	63.4	60.5	59.0	60.1	62.3	62.5	60.2	57.4
85.0	69.9	67.5	63.3	60.3	58.8	60.2	62.8	62.9	60.8	57.5
87.5	69.5	66.9	62.9	59.4	58.0	59.8	62.4	63.2	61.8	58.3
90.0	69.1	66.5	62.3	58.8	57.5	59.3	62.2	63.7	62.6	58.9
92.5	68.4	65.6	61.1	57.8	56.2	57.9	60.9	62.4	61.5	58.2
95.0	66.2	63.4	59.1	55.6	54.2	55.8	59.0	60.9	60.0	56.9
97.5	62.7	60.3	56.1	52.7	51.5	53.1	56.6	58.6	57.3	54.3
100.0	60.3	58.2	54.0	50.6	49.3	50.7	53.7	55.6	54.1	51.5
102.5	59.2	57.1	52.6	49.2	47.9	49.0	52.2	54.2	52.5	50.0
105.0	58.7	56.9	51.9	48.5	47.2	48.5	51.8	53.4	51.5	48.7
107.5	56.8	55.5	50.7	47.7	46.3	47.5	50.4	51.8	50.2	47.4
110.0	54.8	53.9	49.3	46.7	45.3	46.8	49.3	50.7	49.3	46.5
112.5	53.2	52.6	48.3	45.8	44.3	46.0	48.0	49.1	47.7	45.1
115.0	51.3	50.7	46.9	44.6	43.1	44.9	46.6	47.1	45.6	43.5
117.5	49.2	48.4	45.5	43.1	41.9	43.5	45.0	45.3	44.2	42.6
120.0	46.7	45.6	43.7	41.5	40.4	41.8	43.2	43.2	42.3	41.0
122.5	43.7	42.5	41.4	39.8	39.6	40.7	41.6	41.3	40.3	39.6
125.0	41.1	40.3	39.7	38.6	38.6	39.1	39.8	39.0	38.2	37.8
127.5	38.5	38.3	38.0	37.6	38.0	38.1	38.4	37.2	36.6	36.1
130.0	36.8	37.1	36.7	36.8	37.1	37.1	37.2	36.0	35.5	35.1
132.5	35.5	35.8	35.9	36.3	36.8	36.9	36.7	35.7	35.3	35.0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : DECOLED.IES

CANDELA TABULATION - (Cont.)

135.0	34.9	35.2	35.4	36.0	36.1	36.2	36.2	35.0	34.4	33.7
137.5	33.5	33.7	34.0	34.3	34.6	34.5	34.2	33.2	32.9	32.5
140.0	31.5	31.6	32.0	32.1	32.5	32.3	31.8	31.4	31.6	31.5
142.5	28.5	29.0	29.1	29.5	29.6	29.9	29.8	30.1	30.1	29.9
145.0	26.5	26.8	27.0	27.3	27.8	28.0	28.1	28.2	27.9	27.5
147.5	24.9	25.1	25.5	26.0	26.2	26.3	26.3	26.2	26.2	25.8
150.0	25.5	25.5	25.6	25.5	25.3	25.0	24.9	24.6	24.6	24.4
152.5	25.2	25.2	25.1	25.0	25.0	24.8	24.5	24.0	23.6	23.5
155.0	24.0	24.1	24.0	23.9	23.9	23.8	23.7	23.3	22.9	22.7
157.5	23.2	23.2	23.2	22.9	22.7	22.6	22.4	22.0	21.6	21.3
160.0	21.4	21.5	21.5	21.3	21.2	20.9	20.6	20.1	19.7	19.5
162.5	18.7	18.7	18.6	18.7	18.7	18.4	18.3	17.5	17.3	16.9
165.0	16.2	16.2	16.2	16.1	16.0	15.8	15.7	15.1	14.8	14.6
167.5	13.8	13.8	13.7	13.7	13.4	13.3	13.2	12.9	12.8	12.6
170.0	11.1	11.3	11.2	11.1	11.1	11.0	10.9	10.6	10.5	10.3
172.5	8.5	8.7	8.6	8.5	8.5	8.4	8.4	8.2	8.1	7.9
175.0	6.1	5.9	6.1	5.9	5.8	5.7	5.6	5.5	5.4	5.3
177.5	2.7	2.6	2.6	2.6	2.6	2.6	2.7	2.6	2.5	2.6
180.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

Vert. Angles	Horizontal Angles									
	<u>30.0</u>	<u>35.0</u>	<u>40.0</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>
0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5	1.5	1.3	1.3	1.3	1.1	1.0	0.9	0.9	0.9	0.8
5.0	2.9	2.7	2.7	2.5	2.0	1.4	1.1	1.1	1.2	1.4
7.5	4.6	4.3	4.1	3.9	3.1	2.0	1.3	1.2	1.4	1.5
10.0	6.4	6.0	5.4	5.1	3.9	2.8	1.4	1.2	1.4	1.4
12.5	8.1	7.5	7.0	6.3	4.8	3.6	1.6	1.3	1.4	1.4
15.0	9.8	9.2	8.5	7.9	5.8	4.1	1.6	1.4	1.5	1.3
17.5	11.6	11.0	10.3	9.7	6.8	4.7	1.8	1.6	1.7	1.5
20.0	12.4	11.9	11.3	10.6	8.1	5.1	2.0	1.7	1.8	1.6
22.5	12.9	12.3	11.7	11.2	8.9	5.4	2.2	1.7	1.8	1.7
25.0	13.5	12.7	12.1	11.3	9.4	6.0	2.5	1.8	1.8	1.7
27.5	14.1	13.1	12.5	12.0	9.1	6.7	2.7	2.0	1.8	1.7
30.0	14.5	13.5	12.4	11.7	9.1	7.4	2.8	2.0	1.7	1.8
32.5	14.2	13.3	12.4	11.5	8.7	7.5	2.9	2.0	1.7	1.7
35.0	15.2	14.2	13.1	12.2	8.4	7.5	3.1	1.9	1.6	1.6
37.5	17.7	17.0	15.9	14.8	9.4	7.3	3.2	1.9	1.6	1.4
40.0	19.1	18.1	16.5	15.1	10.5	6.9	3.3	1.7	1.5	1.3
42.5	19.9	19.5	18.0	16.3	10.6	7.0	3.1	1.5	1.3	1.1
45.0	21.7	21.0	19.8	17.9	11.1	7.6	3.0	1.4	1.1	1.0
47.5	26.1	25.5	24.5	22.2	11.8	7.7	2.8	1.2	1.0	0.9
50.0	33.4	31.6	30.7	28.2	13.1	7.6	2.7	1.0	0.7	0.7
52.5	36.1	34.8	33.6	31.8	15.9	7.8	2.8	1.0	0.7	0.6
55.0	36.1	34.6	33.5	31.7	18.8	8.1	3.0	0.9	0.5	0.4
57.5	37.7	35.7	35.0	33.2	19.3	8.6	3.1	0.8	0.5	0.4
60.0	41.6	39.4	37.4	35.6	19.7	9.5	3.0	0.6	0.3	0.3
62.5	45.2	42.7	40.0	37.7	20.4	10.6	3.0	0.5	0.3	0.2
65.0	47.6	46.2	42.6	39.6	20.9	11.7	2.9	0.5	0.2	0.2
67.5	49.4	48.4	45.0	41.1	22.2	12.4	2.9	0.5	0.2	0.1
70.0	50.4	50.0	46.8	42.7	23.4	12.9	2.7	0.4	0.1	0.0
72.5	52.4	52.0	49.3	44.8	24.4	13.2	2.8	0.4	0.0	0.0
75.0	53.5	53.6	52.0	46.8	25.3	13.7	2.8	0.3	0.0	0.0
77.5	53.2	53.7	51.7	46.8	26.4	14.2	2.8	0.3	0.0	0.0
80.0	52.2	53.1	50.6	45.8	27.6	14.8	2.7	0.2	0.0	0.0

IES INDOOR REPORT
PHOTOMETRIC FILENAME : DECOLED.IES

CANDELA TABULATION - (Cont.)

82.5	52.0	53.1	50.2	44.7	28.5	15.6	2.6	0.2	0.0	0.0
85.0	51.9	53.4	49.8	43.7	28.4	16.5	2.6	0.1	0.0	0.0
87.5	52.2	53.9	49.9	43.6	28.1	17.0	2.6	0.1	0.0	0.0
90.0	52.5	54.7	50.9	44.3	27.4	17.1	2.6	0.1	0.0	0.0
92.5	51.7	53.6	50.3	43.6	26.6	16.5	2.8	0.1	0.0	0.0
95.0	50.4	52.5	49.6	43.1	25.6	15.7	2.7	0.2	0.0	0.0
97.5	48.5	50.9	47.9	41.4	24.4	14.7	2.7	0.2	0.0	0.0
100.0	46.1	48.2	45.8	39.5	23.4	13.9	2.8	0.2	0.0	0.0
102.5	44.6	46.9	44.4	38.7	23.0	13.3	3.0	0.3	0.0	0.0
105.0	43.5	45.5	43.4	37.6	22.6	13.1	3.3	0.3	0.0	0.1
107.5	42.9	44.0	42.1	36.8	22.5	12.9	3.6	0.5	0.1	0.1
110.0	42.3	43.1	42.0	36.6	22.5	12.6	3.6	0.6	0.2	0.2
112.5	41.1	41.6	40.9	36.1	22.3	12.3	3.5	0.7	0.2	0.4
115.0	39.5	39.6	39.5	35.6	21.9	12.1	3.6	0.8	0.3	0.4
117.5	38.8	38.4	38.4	35.1	21.3	12.0	3.6	0.9	0.4	0.4
120.0	37.9	37.2	37.3	34.5	20.6	11.8	3.7	1.0	0.5	0.6
122.5	37.2	36.2	36.1	33.7	19.8	11.7	3.7	1.1	0.6	0.7
125.0	35.8	34.9	34.4	32.7	19.5	11.3	3.8	1.2	0.8	0.9
127.5	34.6	33.5	32.9	32.1	18.9	11.0	4.0	1.4	0.8	1.1
130.0	34.3	32.9	31.9	31.5	18.5	10.9	4.1	1.6	0.9	1.3
132.5	34.4	32.9	32.0	31.3	18.0	10.6	4.2	1.8	1.1	1.5
135.0	33.8	32.8	31.8	30.2	17.4	10.6	4.5	2.0	1.8	1.8
137.5	32.7	31.7	30.4	28.7	16.8	10.8	4.8	2.3	2.0	2.0
140.0	31.3	30.1	28.5	26.7	15.6	10.6	5.1	2.5	2.2	2.2
142.5	29.5	28.2	26.3	24.6	14.3	10.4	5.2	2.8	2.5	2.4
145.0	26.9	25.7	24.2	22.4	13.6	10.4	5.1	3.0	2.6	2.6
147.5	25.0	24.0	22.5	20.8	13.9	10.4	4.9	3.0	2.7	2.7
150.0	23.9	22.6	21.0	19.3	13.9	10.1	4.7	3.0	2.9	2.6
152.5	23.0	21.9	20.5	19.0	13.3	9.6	4.4	2.9	2.9	2.4
155.0	22.0	21.0	19.8	18.2	12.9	9.0	4.1	2.8	2.9	2.5
157.5	20.6	19.5	18.3	17.0	12.5	8.5	3.8	2.8	3.0	2.6
160.0	18.8	17.9	16.9	15.8	11.2	7.8	3.7	2.8	3.1	2.8
162.5	16.4	15.7	14.7	13.8	9.6	7.1	3.5	2.7	3.0	2.9
165.0	14.3	13.4	12.7	11.7	8.6	6.5	3.4	2.7	2.9	3.0
167.5	12.2	11.5	10.8	10.0	7.4	5.7	3.1	2.8	3.0	3.1
170.0	10.0	9.4	8.8	8.2	6.2	4.8	2.7	2.5	2.7	2.9
172.5	7.6	7.2	6.8	6.4	4.9	3.7	2.4	2.3	2.6	2.6
175.0	5.2	5.0	4.8	4.6	3.7	2.7	2.2	2.2	2.5	2.5
177.5	2.5	2.5	2.4	2.3	2.0	1.8	1.8	1.8	1.9	1.8
180.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

IES INDOOR REPORT
PHOTOMETRIC FILENAME : DECOLED.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1.68	N.A.	0.80
0-30	4.94	N.A.	2.40
0-40	9.84	N.A.	4.90
0-60	31.27	N.A.	15.50
0-80	73.36	N.A.	36.30
0-90	98.49	N.A.	48.70
10-90	98.26	N.A.	48.60
20-40	8.17	N.A.	4.00
20-50	15.98	N.A.	7.90
40-70	40.18	N.A.	19.90
60-80	42.09	N.A.	20.80
70-80	23.33	N.A.	11.50
80-90	25.13	N.A.	12.40
90-110	44.31	N.A.	21.90
90-120	62.11	N.A.	30.70
90-130	76.54	N.A.	37.90
90-150	96.11	N.A.	47.50
90-180	103.72	N.A.	51.30
110-180	59.42	N.A.	29.40
0-180	202.21	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.23
10-20	1.45
20-30	3.26
30-40	4.90
40-50	7.81
50-60	13.61
60-70	18.76
70-80	23.33
80-90	25.13
90-100	23.84
100-110	20.47
110-120	17.80
120-130	14.43
130-140	11.56
140-150	8.00
150-160	5.02
160-170	2.21
170-180	0.39

IES INDOOR REPORT
PHOTOMETRIC FILENAME : DECOLED.IES

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	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49
1	91	84	78	72	83	77	71	66	63	59	55	50	47	44	38	36	34	28
2	81	70	61	54	73	64	56	49	52	46	40	41	36	32	30	27	24	19
3	72	60	50	42	65	54	45	38	44	37	31	34	29	24	25	21	18	13
4	65	52	42	34	59	47	38	31	38	31	25	29	24	19	21	17	14	10
5	59	45	35	28	53	41	32	26	33	26	21	26	20	16	19	14	11	7
6	54	40	30	24	49	36	28	21	29	22	17	23	17	13	17	12	9	6
7	50	36	27	20	45	32	24	18	26	20	15	20	15	11	15	11	8	5
8	46	32	23	17	42	29	21	16	24	17	13	18	13	10	14	10	6	4
9	43	29	21	15	39	26	19	14	22	15	11	17	12	8	12	9	6	3
10	40	27	19	13	36	24	17	12	20	14	10	15	11	7	11	8	5	3

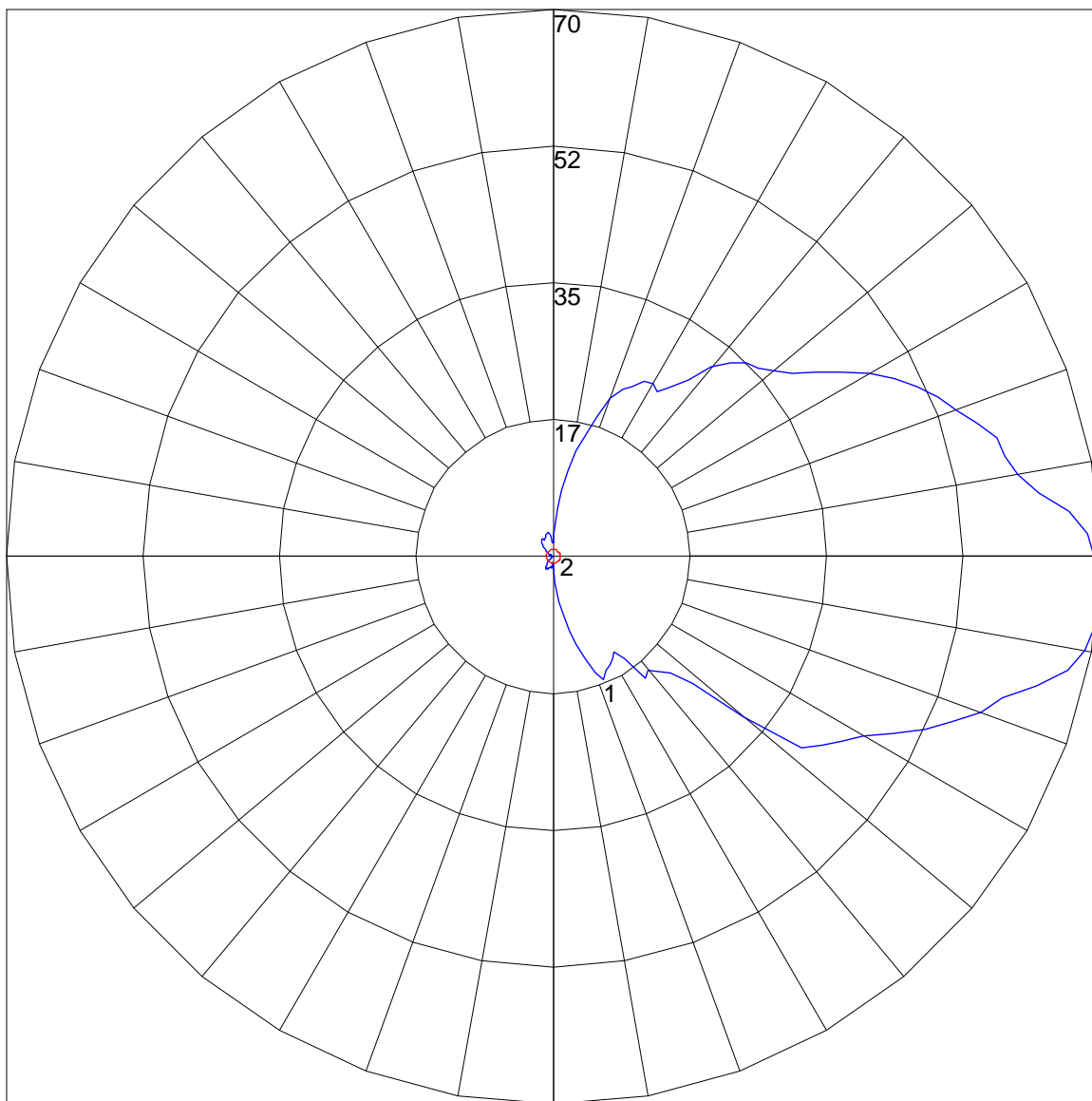
IES INDOOR REPORT
PHOTOMETRIC FILENAME : DECOLED.IES

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	6.3	7.4	7.2	8.3	9.6	-2.0	-0.9	-1.1	0.1	1.3
	3H	10.1	11.1	11.0	12.0	13.3	0.9	1.9	1.8	2.9	4.1
	4H	11.9	12.8	12.8	13.8	15.1	2.4	3.3	3.3	4.3	5.6
	6H	13.7	14.6	14.6	15.6	16.8	3.8	4.8	4.8	5.7	7.0
	8H	14.5	15.4	15.5	16.4	17.7	4.6	5.5	5.6	6.5	7.8
	12H	15.3	16.1	16.3	17.1	18.4	5.4	6.2	6.3	7.2	8.5
4H	2H	7.1	8.1	8.1	9.1	10.3	1.6	2.6	2.6	3.5	4.8
	3H	11.1	11.9	12.1	12.9	14.2	4.2	5.0	5.1	6.0	7.3
	4H	13.1	13.9	14.0	14.9	16.2	5.4	6.2	6.3	7.2	8.5
	6H	15.0	15.7	16.0	16.7	18.0	6.7	7.4	7.7	8.4	9.7
	8H	15.9	16.6	16.9	17.6	18.9	7.3	8.0	8.3	9.0	10.3
	12H	16.8	17.4	17.8	18.5	19.8	7.9	8.6	8.9	9.6	10.9
8H	4H	13.5	14.2	14.5	15.2	16.6	7.6	8.3	8.6	9.3	10.6
	6H	15.7	16.3	16.7	17.3	18.6	8.9	9.5	9.9	10.6	11.9
	8H	16.7	17.3	17.7	18.3	19.6	9.6	10.1	10.6	11.1	12.5
	12H	17.9	18.3	18.9	19.3	20.7	10.3	10.7	11.3	11.7	13.1
12H	4H	13.6	14.2	14.6	15.3	16.6	8.2	8.8	9.2	9.8	11.2
	6H	15.8	16.3	16.8	17.4	18.7	9.7	10.2	10.7	11.3	12.6
	8H	17.0	17.4	18.0	18.5	19.9	10.5	10.9	11.5	12.0	13.3

Maximum UGR = 20.7

POLAR GRAPH



Maximum Candela = 69.9 Located At Horizontal Angle = 0, Vertical Angle = 85
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)