

IES INDOOR REPORT
PHOTOMETRIC FILENAME : DRCHTMO3KAC12.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] Report # 72194917-02
[TESTLAB] TUV SUD America
[ISSUEDATE] 11/27/2023 3:40:32 PM
[MANUFAC] BEGHELLI
[LUMCAT] INDOOR / LOW / HIGH BAY LUMINAIRE
[LUMINAIRE] DRCHTMO3KAC12120-277V
[AMBIENT] 24.3 deg C
[POWERFACTOR] 0.995
[ATHD] 6.51%
[CURRENT] 0.74
[VOLTAGE] 119.98
[STABILIZATION] 74:04.9 Stable
[POWER VARIATION] 0.13%
[LIGHT VARIATION] 0.50%
[Lumens] 10221

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10221
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	70
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.50
Spacing Criterion (90-270)	0.50
Spacing Criterion (Diagonal)	0.88
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.04 ft
Luminous Width (90-270)	1.03 ft
Luminous Height	0.64 ft

IES INDOOR REPORT
PHOTOMETRIC FILENAME : DRCHTMO3KAC12.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4442	3833	4442
55	2620	2193	2620
65	2350	1900	2350
75	1710	1326	1710
85	1427	1047	1427

IES INDOOR REPORT
PHOTOMETRIC FILENAME : DRCHTMO3KAC12.IES

CANDELA TABULATION

	<u>0</u>
0	12940.74
5	11218.24
10	8442.67
15	6722.17
20	7409.38
25	7188.67
30	5735.76
35	4069.35
40	1335.54
45	507.27
50	445.36
55	282.53
60	252.76
65	230.77
70	196.91
75	146.31
80	89.21
85	100.37
90	57.43
95	44.53
100	40.65
105	42.31
110	47.28
115	52.22
120	55.20
125	65.13
130	79.53
135	82.72
140	78.03
145	61.31
150	56.52
155	57.61
160	54.42
165	62.72
170	78.31
175	106.34
180	110.02

IES INDOOR REPORT
PHOTOMETRIC FILENAME : DRCHTMO3KAC12.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3056.35	N.A.	29.90
0-30	6223.02	N.A.	60.90
0-40	8568.65	N.A.	83.80
0-60	9384.35	N.A.	91.80
0-80	9762.92	N.A.	95.50
0-90	9857.64	N.A.	96.40
10-90	8865.5	N.A.	86.70
20-40	5512.3	N.A.	53.90
20-50	6046.00	N.A.	59.20
40-70	1041.54	N.A.	10.20
60-80	378.57	N.A.	3.70
70-80	152.73	N.A.	1.50
80-90	94.72	N.A.	0.90
90-110	96.68	N.A.	0.90
90-120	147.99	N.A.	1.40
90-130	207.25	N.A.	2.00
90-150	310.40	N.A.	3.00
90-180	363.81	N.A.	3.60
110-180	267.13	N.A.	2.60
0-180	10221.45	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	992.15
10-20	2064.21
20-30	3166.66
30-40	2345.64
40-50	533.70
50-60	282.00
60-70	225.84
70-80	152.73
80-90	94.72
90-100	51.06
100-110	45.62
110-120	51.31
120-130	59.27
130-140	62.55
140-150	40.60
150-160	26.19
160-170	18.02
170-180	9.19

IES INDOOR REPORT
PHOTOMETRIC FILENAME : DRCHTMO3KAC12.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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	96
1	112	108	105	103	109	106	103	101	101	99	97	97	95	94	93	91	90	88
2	105	100	95	91	103	98	93	90	94	90	87	90	87	85	87	85	83	81
3	99	92	86	82	97	90	85	81	87	83	79	84	80	77	81	78	76	74
4	94	85	79	74	91	84	78	74	81	76	72	79	74	71	76	73	70	68
5	88	79	73	68	86	78	72	67	76	71	67	74	69	66	72	68	65	63
6	84	74	67	63	82	73	67	62	71	65	61	69	64	61	67	63	60	58
7	79	69	62	58	77	68	62	58	66	61	57	65	60	56	63	59	56	54
8	75	65	58	54	73	64	58	54	62	57	53	61	56	53	60	55	52	51
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	52	49	47
10	68	57	51	47	66	57	51	47	56	50	46	55	50	46	54	49	46	44

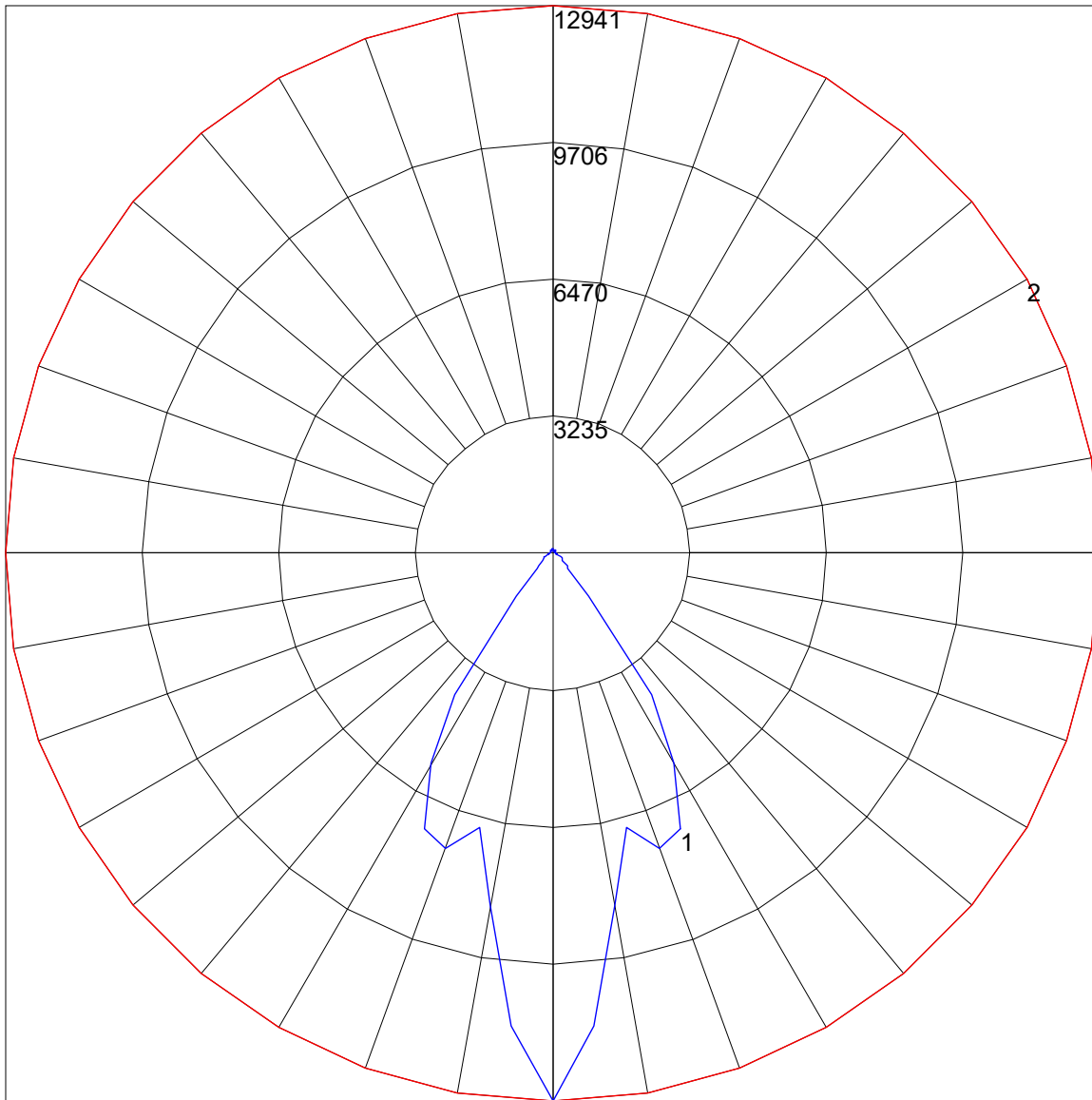
IES INDOOR REPORT
PHOTOMETRIC FILENAME : DRCHTMO3KAC12.IES

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	9.1	10.1	9.6	10.5	11.0	9.1	10.1	9.6	10.5	11.0
	3H	11.2	12.1	11.6	12.5	13.0	11.2	12.1	11.6	12.5	13.0
	4H	11.9	12.7	12.3	13.1	13.6	11.9	12.7	12.3	13.1	13.6
	6H	12.3	13.0	12.8	13.5	14.0	12.3	13.0	12.8	13.5	14.0
	8H	12.4	13.2	12.9	13.6	14.1	12.4	13.2	12.9	13.6	14.1
	12H	12.7	13.4	13.2	13.8	14.4	12.7	13.4	13.2	13.8	14.4
4H	2H	9.7	10.5	10.2	11.0	11.4	9.7	10.5	10.2	11.0	11.4
	3H	11.9	12.6	12.4	13.1	13.6	11.9	12.6	12.4	13.1	13.6
	4H	12.7	13.3	13.2	13.8	14.3	12.7	13.3	13.2	13.8	14.3
	6H	13.2	13.7	13.7	14.2	14.8	13.2	13.7	13.7	14.2	14.8
	8H	13.4	13.9	13.9	14.4	15.0	13.4	13.9	13.9	14.4	15.0
	12H	13.7	14.1	14.3	14.7	15.3	13.7	14.1	14.3	14.7	15.3
8H	4H	12.8	13.3	13.4	13.9	14.4	12.8	13.3	13.4	13.9	14.4
	6H	13.4	13.8	14.0	14.4	15.0	13.4	13.8	14.0	14.4	15.0
	8H	13.8	14.1	14.4	14.7	15.3	13.8	14.1	14.4	14.7	15.3
	12H	14.3	14.6	14.9	15.1	15.8	14.3	14.6	14.9	15.1	15.8
12H	4H	12.8	13.3	13.4	13.8	14.4	12.8	13.3	13.4	13.8	14.4
	6H	13.5	13.8	14.1	14.4	15.0	13.5	13.8	14.1	14.4	15.0
	8H	13.9	14.2	14.5	14.7	15.4	13.9	14.2	14.5	14.7	15.4

Maximum UGR = 15.8

POLAR GRAPH



Maximum Candela = 12940.74 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)