

IES INDOOR REPORT
PHOTOMETRIC FILENAME : DRCHTHO3KAC16.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] DRCHTHO3KAC16 [120-277V] [347-480] [1AC50; 1AC72; 1CH48; DRCPKXY; DRCSPKXY; SPCY1] [CCR] [RLY; NOD
[LUMINAIRE] 9109-2
[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] 11955

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11955
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	133
Total Luminaire Watts	90
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.46
Spacing Criterion (90-270)	0.46
Spacing Criterion (Diagonal)	0.62
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.35 ft
Luminous Width (90-270)	1.35 ft
Luminous Height	0.93 ft

IES INDOOR REPORT
PHOTOMETRIC FILENAME : DRCHTHO3KAC16.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6526	5584	6526
55	3974	3298	3974
65	1782	1429	1782
75	1271	979	1271
85	200	146	200

IES INDOOR REPORT
PHOTOMETRIC FILENAME : DRCHTHO3KAC16.IES

CANDELA TABULATION

	<u>0</u>
0	19348.891
5	15613.840
10	12646.120
15	8894.820
20	7038.260
25	5956.490
30	5427.890
35	4457.820
40	1577.950
45	1322.990
50	1134.480
55	767.490
60	712.120
65	316.500
70	183.960
75	199.260
80	81.350
85	26.240
90	25.110
95	21.280
100	31.240
105	30.080
110	39.570
115	50.530
120	41.170
125	43.670
130	51.820
135	48.940
140	59.390
145	47.110
150	53.950
155	59.280
160	76.090
165	95.730
170	105.160
175	101.170
180	102.530

IES INDOOR REPORT
PHOTOMETRIC FILENAME : DRCHTHO3KAC16.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4019.82	N.A.	33.60
0-30	6823.43	N.A.	57.10
0-40	9286.2	N.A.	77.70
0-60	11075.46	N.A.	92.60
0-80	11627.49	N.A.	97.30
0-90	11670.78	N.A.	97.60
10-90	10241.86	N.A.	85.70
20-40	5266.38	N.A.	44.10
20-50	6300.08	N.A.	52.70
40-70	2166.04	N.A.	18.10
60-80	552.03	N.A.	4.60
70-80	175.25	N.A.	1.50
80-90	43.29	N.A.	0.40
90-110	61.59	N.A.	0.50
90-120	106.69	N.A.	0.90
90-130	147.07	N.A.	1.20
90-150	220.13	N.A.	1.80
90-180	284.55	N.A.	2.40
110-180	222.97	N.A.	1.90
0-180	11955.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1428.92
10-20	2590.9
20-30	2803.61
30-40	2462.76
40-50	1033.7
50-60	755.56
60-70	376.78
70-80	175.25
80-90	43.29
90-100	26.97
100-110	34.61
110-120	45.11
120-130	40.37
130-140	40.42
140-150	32.65
150-160	28.53
160-170	26.08
170-180	9.82

IES INDOOR REPORT
PHOTOMETRIC FILENAME : DRCHTHO3KAC16.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	110	110	110	105	105	105	100	100	100	98
1	112	109	106	103	109	106	104	101	102	100	98	97	96	94	94	92	91	89
2	105	100	95	91	103	98	93	90	94	90	87	90	88	85	87	85	83	81
3	99	92	86	81	97	90	85	80	87	82	79	84	80	77	81	78	76	74
4	93	85	78	73	91	83	77	73	81	76	72	78	74	71	76	73	70	68
5	88	78	72	67	86	77	71	67	75	70	66	73	69	65	71	67	64	62
6	83	73	66	62	81	72	66	61	70	65	61	69	64	60	67	63	59	58
7	79	68	62	57	77	67	61	57	66	60	56	64	59	56	63	59	55	54
8	74	64	58	53	73	63	57	53	62	56	52	61	56	52	60	55	52	50
9	71	60	54	50	69	60	54	49	59	53	49	57	52	49	56	52	49	47
10	67	57	51	47	66	56	50	46	55	50	46	54	49	46	53	49	46	44

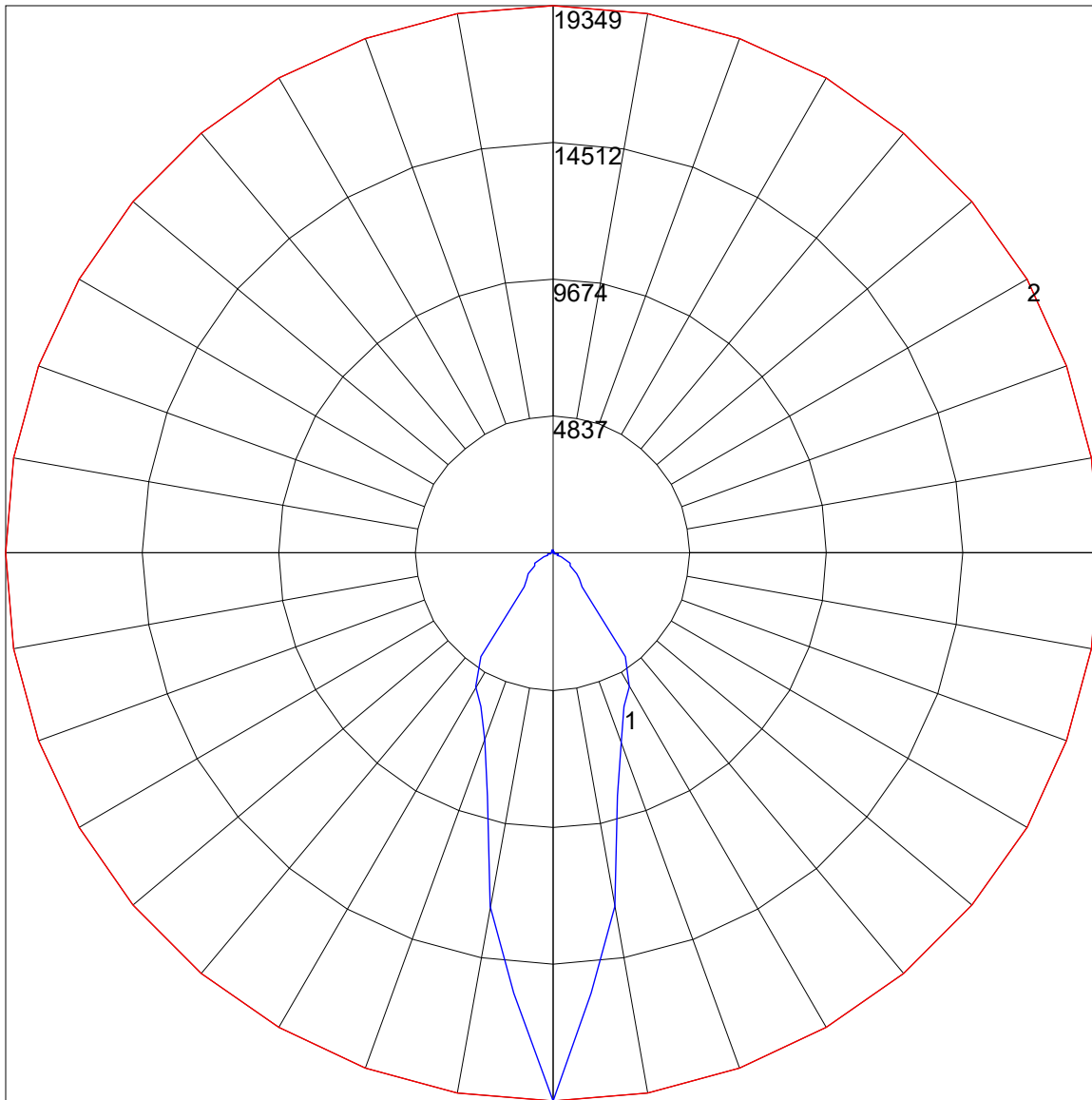
IES INDOOR REPORT
PHOTOMETRIC FILENAME : DRCHTHO3KAC16.IES

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	13.5	14.7	13.9	15.0	15.4	13.5	14.7	13.9	15.0	15.4
	3H	13.8	14.8	14.2	15.2	15.6	13.8	14.8	14.2	15.2	15.6
	4H	14.0	14.9	14.4	15.3	15.8	14.0	14.9	14.4	15.3	15.8
	6H	14.0	14.9	14.5	15.3	15.8	14.0	14.9	14.5	15.3	15.8
	8H	14.0	14.9	14.5	15.3	15.7	14.0	14.9	14.5	15.3	15.7
	12H	14.0	14.8	14.5	15.2	15.7	14.0	14.8	14.5	15.2	15.7
4H	2H	13.5	14.5	14.0	14.9	15.3	13.5	14.5	14.0	14.9	15.3
	3H	13.9	14.6	14.3	15.1	15.5	13.9	14.6	14.3	15.1	15.5
	4H	14.2	14.9	14.7	15.3	15.8	14.2	14.9	14.7	15.3	15.8
	6H	14.3	14.9	14.8	15.4	15.9	14.3	14.9	14.8	15.4	15.9
	8H	14.3	14.8	14.8	15.3	15.9	14.3	14.8	14.8	15.3	15.9
	12H	14.2	14.7	14.8	15.3	15.8	14.2	14.7	14.8	15.3	15.8
8H	4H	14.2	14.7	14.7	15.2	15.7	14.2	14.7	14.7	15.2	15.7
	6H	14.3	14.8	14.9	15.3	15.9	14.3	14.8	14.9	15.3	15.9
	8H	14.3	14.7	14.9	15.3	15.8	14.3	14.7	14.9	15.3	15.8
	12H	14.3	14.7	14.9	15.2	15.8	14.3	14.7	14.9	15.2	15.8
12H	4H	14.1	14.6	14.7	15.2	15.7	14.1	14.6	14.7	15.2	15.7
	6H	14.3	14.7	14.9	15.2	15.8	14.3	14.7	14.9	15.2	15.8
	8H	14.3	14.7	14.9	15.2	15.8	14.3	14.7	14.9	15.2	15.8

Maximum UGR = 15.9

POLAR GRAPH



Maximum Candela = 19348.891 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.)