



IES INDOOR REPORT
PHOTOMETRIC FILENAME : IESCL530FRPCDOB10.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]ITL82629
[TESTLAB]INDEPENDENT TESTING LABORATORIES, INC.
[ISSUEDATE]09/05/14
[MANUFAC]STONE LIGHTING, LLC.
[LUMCAT]CL507FRPCDOB10
[LUMINAIRE]FABRICATED SEMI-SPECULAR METAL HOUSING, SPECULAR TEXTURED
[MORE]FOIL REFLECTOR, ONE WHITE CIRCUIT BOARD WITH 36 LEDS AND
[MORE]INTEGRAL DRIVER, CLEAR GLASS DROP DIFFUSER WITH TRANSLUCENT
[MORE]WHITE FINISHED INTERIOR.
[LAMP]THIRTY-SIX WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL BASE-UP
[MORE]POSITION.
[OTHER]TOTAL INPUT WATTS = 15.5 AT 120.0 VOLTS
[_ MOUNTING]SURFACE
[_ NOTE]DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT
[MORE]VOLTAGE (120VAC, 60Hz) TO THE CIRCUIT BOARD.
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[OTHER]TEST DISTANCE = 20.0 FEET
[_ ABSOLUTE LUMENS]794

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	792
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	51
Total Luminaire Watts	15.5
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.42
Spacing Criterion (90-270)	1.42
Spacing Criterion (Diagonal)	1.54
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.49 ft (Diameter)
Luminous Width (90-270)	0.49 ft (Diameter)
Luminous Height	0.09 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9016	9016	9016
55	8806	8806	8806
65	8433	8433	8433
75	7799	7799	7799
85	6551	6551	6551

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CANDELA TABULATION

	<u>0</u>
0.0	168.3
2.5	168.3
5.0	168.8
7.5	169.0
10.0	169.2
12.5	169.0
15.0	168.5
17.5	167.9
20.0	166.8
22.5	165.4
25.0	163.6
27.5	161.4
30.0	159.2
32.5	156.3
35.0	153.2
37.5	149.6
40.0	145.8
42.5	141.8
45.0	137.3
47.5	132.9
50.0	128.0
52.5	122.8
55.0	117.5
57.5	111.7
60.0	105.9
62.5	99.9
65.0	93.2
67.5	86.7
70.0	80.0
72.5	72.9
75.0	65.7
77.5	58.4
80.0	51.2
82.5	43.9
85.0	36.3
87.5	29.8
90.0	26.3
92.5	24.5
95.0	22.7
97.5	22.3
100.0	22.9
102.5	24.3
105.0	25.8
107.5	27.6
110.0	28.5
112.5	28.9
115.0	28.9
117.5	28.5
120.0	28.1
122.5	27.6
125.0	27.2
127.5	26.0
130.0	25.4
132.5	24.5

CANDELA TABULATION - (Cont.)

135.0	23.6
137.5	22.5
140.0	21.4
142.5	20.2
145.0	18.9
147.5	17.6
150.0	16.0
152.5	14.5
155.0	12.9
157.5	11.3
160.0	9.5
162.5	8.0
165.0	6.2
167.5	4.6
170.0	3.3
172.5	2.0
175.0	0.8
177.5	0.2
180.0	0.0

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	63.81	N.A.	8.10
0-30	139.31	N.A.	17.60
0-40	235.20	N.A.	29.70
0-60	446.28	N.A.	56.30
0-80	607.95	N.A.	76.70
0-90	648.49	N.A.	81.80
10-90	632.37	N.A.	79.80
20-40	171.39	N.A.	21.60
20-50	277.48	N.A.	35.00
40-70	303.41	N.A.	38.30
60-80	161.67	N.A.	20.40
70-80	69.34	N.A.	8.80
80-90	40.54	N.A.	5.10
90-110	53.00	N.A.	6.70
90-120	81.44	N.A.	10.30
90-130	105.59	N.A.	13.30
90-150	135.73	N.A.	17.10
90-180	143.82	N.A.	18.20
110-180	90.82	N.A.	11.50
0-180	792.31	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	16.12
10-20	47.69
20-30	75.50
30-40	95.89
40-50	106.09
50-60	104.99
60-70	92.33
70-80	69.34
80-90	40.54
90-100	25.67
100-110	27.32
110-120	28.44
120-130	24.15
130-140	18.24
140-150	11.91
150-160	6.04
160-170	1.88
170-180	0.16

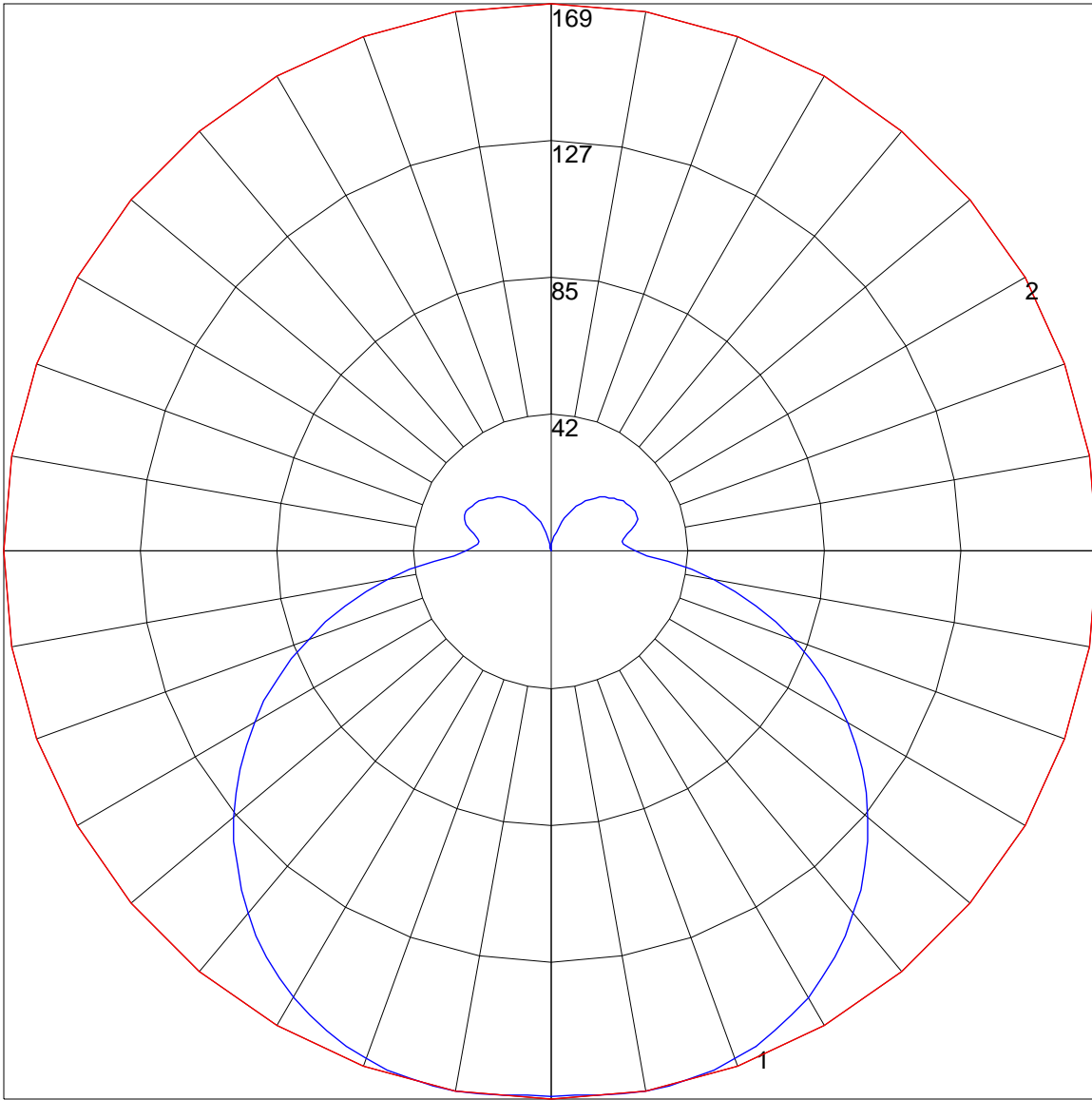
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	115	115	115	115	110	110	110	110	101	101	101	93	93	93	85	85	85	82
1	103	97	92	88	98	93	88	84	85	82	78	78	75	73	72	70	67	64
2	92	83	76	69	88	80	73	67	73	68	63	67	63	59	62	58	55	51
3	84	72	63	56	79	69	61	55	64	57	51	58	53	48	54	49	45	42
4	76	63	54	47	72	61	52	46	56	49	43	51	45	41	47	42	38	35
5	70	56	47	40	66	54	45	39	50	42	37	46	40	35	42	37	33	30
6	64	50	41	34	61	48	40	34	45	37	32	41	35	30	38	33	28	26
7	59	45	36	30	56	44	35	29	40	33	28	37	31	26	35	29	25	23
8	55	41	32	26	52	40	32	26	37	30	25	34	28	23	32	26	22	20
9	51	38	29	24	49	36	28	23	34	27	22	31	25	21	29	24	20	18
10	48	35	27	21	46	33	26	21	31	24	20	29	23	19	27	22	18	16

POLAR GRAPH



Maximum Candela = 169.2 Located At Horizontal Angle = 0, Vertical Angle = 10
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (10) (Through Max. Cd.)