

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SRL-XX-S-35-BK.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 3504
 [ECN] 3345
 [TESTLAB] Tempo LLC
 [ISSUEDATE] 7/17/2018 11:54:38 AM
 [MANUFAC] Tempo LLC
 [LUMCAT] SRL-xx-S-35-BK
 [LUMINAIRE] Black aluminum rail, one module
 [LAMP] Six (6) white LEDs (3500K) with baffle
 [_ELECTRICALS] 12.01 VAC, 0.04 A, 0.9318 PF, 17% ATHD

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	29
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	0.44
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.07 ft
Luminous Width (90-270)	0.20 ft
Luminous Height	0.00 ft



LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7769	8686	8655
55	9006	8343	3756
65	8660	3016	247
75	202	29	86
85	86	0	0

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CANDELA TABULATION

	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0.0	12.29	12.29	12.29	12.29	12.29	12.29	12.29	12.29	12.29	12.29
2.5	12.31	12.31	12.31	12.31	12.30	12.30	12.29	12.29	12.29	12.29
5.0	12.26	12.27	12.27	12.26	12.26	12.26	12.26	12.26	12.26	12.26
7.5	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20	12.20
10.0	12.12	12.13	12.13	12.13	12.12	12.12	12.11	12.11	12.11	12.12
12.5	12.03	12.03	12.02	12.01	12.00	12.00	12.00	12.01	12.01	12.01
15.0	11.95	11.95	11.93	11.92	11.90	11.89	11.88	11.88	11.88	11.88
17.5	11.83	11.82	11.81	11.79	11.76	11.75	11.74	11.74	11.73	11.73
20.0	11.61	11.61	11.61	11.60	11.59	11.59	11.57	11.57	11.56	11.56
22.5	11.46	11.46	11.47	11.46	11.45	11.42	11.39	11.38	11.36	11.35
25.0	11.31	11.32	11.33	11.31	11.29	11.25	11.19	11.16	11.12	11.11
27.5	11.02	11.03	11.04	11.05	11.04	10.99	10.94	10.90	10.86	10.85
30.0	10.55	10.56	10.56	10.60	10.62	10.62	10.62	10.60	10.58	10.56
32.5	10.17	10.18	10.18	10.22	10.26	10.27	10.28	10.28	10.26	10.26
35.0	9.81	9.82	9.83	9.88	9.93	9.95	9.96	9.95	9.94	9.93
37.5	9.45	9.45	9.46	9.52	9.59	9.61	9.64	9.62	9.60	9.59
40.0	9.05	9.06	9.07	9.17	9.27	9.30	9.33	9.30	9.26	9.24
42.5	8.08	8.15	8.22	8.46	8.71	8.87	9.02	8.96	8.88	8.81
45.0	7.37	7.39	7.41	7.64	7.86	8.14	8.41	8.40	8.38	8.24
47.5	7.25	7.23	7.21	7.36	7.50	7.65	7.79	7.78	7.77	7.59
50.0	7.17	7.14	7.10	7.13	7.16	7.31	7.45	7.41	7.36	7.17
52.5	7.07	7.03	6.99	6.96	6.92	6.94	6.95	7.00	7.04	6.89
55.0	6.93	6.89	6.85	6.79	6.72	6.67	6.63	6.58	6.52	6.42
57.5	6.78	6.75	6.70	6.62	6.54	6.46	6.37	6.26	6.14	5.94
60.0	6.62	6.58	6.53	6.45	6.37	6.23	6.10	5.89	5.68	5.33
62.5	6.37	6.29	6.21	6.07	5.93	5.68	5.42	5.01	4.60	4.04
65.0	4.91	4.76	4.61	4.34	4.06	3.68	3.30	2.77	2.23	1.71
67.5	1.65	1.62	1.58	1.38	1.17	0.99	0.80	0.61	0.43	0.31
70.0	0.19	0.20	0.20	0.16	0.11	0.10	0.07	0.07	0.06	0.07
72.5	0.08	0.08	0.07	0.06	0.04	0.04	0.03	0.03	0.03	0.03
75.0	0.07	0.06	0.05	0.04	0.02	0.02	0.01	0.01	0.01	0.01
77.5	0.05	0.05	0.04	0.03	0.01	0.01	0.00	0.00	0.00	0.00
80.0	0.04	0.04	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00
82.5	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Vert. Angles **Horizontal Angles**

	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>
0.0	12.29	12.29	12.29	12.29	12.29	12.29	12.29	12.29	12.29
2.5	12.29	12.29	12.30	12.30	12.31	12.30	12.29	12.29	12.29
5.0	12.25	12.25	12.25	12.24	12.24	12.24	12.23	12.24	12.24
7.5	12.19	12.19	12.19	12.19	12.18	12.18	12.18	12.18	12.18
10.0	12.11	12.12	12.12	12.12	12.12	12.12	12.11	12.12	12.12
12.5	12.00	12.00	12.00	11.99	11.98	11.98	11.98	11.98	11.97
15.0	11.88	11.89	11.89	11.89	11.90	11.89	11.89	11.89	11.89
17.5	11.73	11.73	11.72	11.72	11.71	11.71	11.70	11.71	11.71
20.0	11.55	11.55	11.54	11.54	11.54	11.54	11.53	11.53	11.53
22.5	11.34	11.34	11.34	11.34	11.34	11.33	11.33	11.34	11.34
25.0	11.09	11.09	11.09	11.08	11.07	11.08	11.07	11.07	11.06
27.5	10.83	10.84	10.84	10.85	10.85	10.85	10.85	10.85	10.85
30.0	10.54	10.55	10.55	10.55	10.54	10.55	10.55	10.55	10.55

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CANDELA TABULATION - (Cont.)

32.5	10.24	10.26	10.26	10.27	10.27	10.28	10.28	10.29	10.29
35.0	9.92	9.94	9.95	9.96	9.97	9.98	9.98	9.99	9.99
37.5	9.58	9.59	9.59	9.60	9.61	9.62	9.63	9.63	9.63
40.0	9.21	9.22	9.23	9.24	9.25	9.27	9.29	9.30	9.30
42.5	8.74	8.73	8.71	8.72	8.73	8.77	8.80	8.82	8.82
45.0	8.09	8.05	8.00	8.02	8.03	8.10	8.16	8.19	8.21
47.5	7.41	7.26	7.10	7.13	7.16	7.20	7.23	7.24	7.24
50.0	6.97	6.64	6.32	6.22	6.11	6.08	6.05	5.99	5.94
52.5	6.72	6.35	5.97	5.58	5.19	4.91	4.63	4.58	4.53
55.0	6.31	5.95	5.58	5.01	4.44	3.87	3.30	3.09	2.89
57.5	5.73	5.27	4.80	4.19	3.57	2.86	2.13	1.74	1.34
60.0	4.97	4.38	3.78	3.11	2.44	1.73	1.01	0.72	0.42
62.5	3.47	2.75	2.03	1.43	0.83	0.58	0.33	0.25	0.17
65.0	1.19	0.82	0.45	0.31	0.16	0.15	0.13	0.14	0.14
67.5	0.19	0.15	0.10	0.10	0.09	0.09	0.09	0.09	0.09
70.0	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07
72.5	0.04	0.04	0.05	0.05	0.05	0.06	0.06	0.06	0.06
75.0	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03
77.5	0.00	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01
80.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4.52	N.A.	15.40
0-30	9.66	N.A.	33.00
0-40	15.87	N.A.	54.20
0-60	27.14	N.A.	92.80
0-80	29.26	N.A.	100.00
0-90	29.26	N.A.	100.00
10-90	28.09	N.A.	96.00
20-40	11.35	N.A.	38.80
20-50	17.54	N.A.	59.90
40-70	13.35	N.A.	45.60
60-80	2.12	N.A.	7.20
70-80	0.04	N.A.	0.10
80-90	0.00	N.A.	0.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	29.26	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1.17
10-20	3.36
20-30	5.14
30-40	6.21
40-50	6.19
50-60	5.07
60-70	2.08
70-80	0.04
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

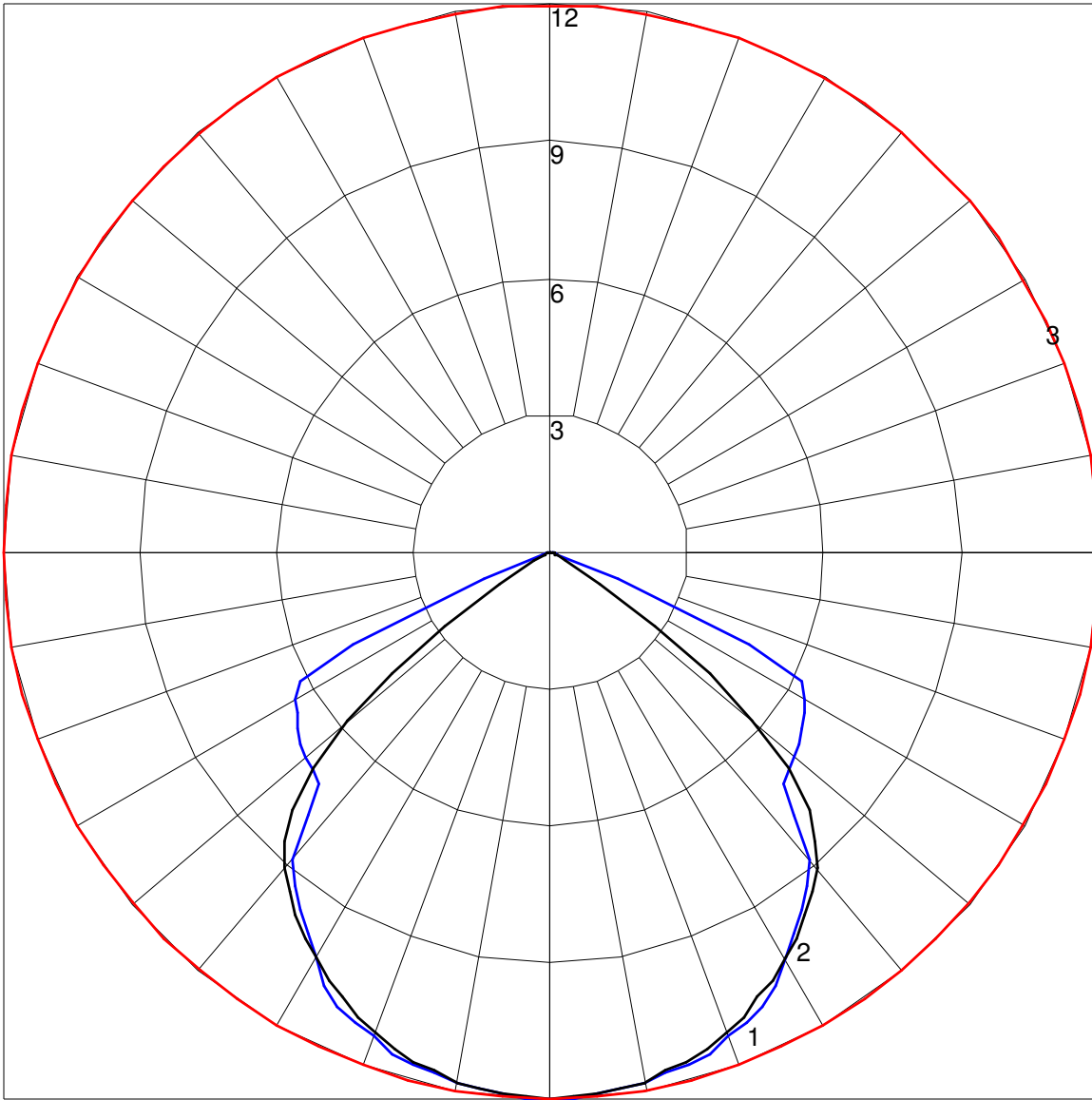
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	120	120	120	120	117	117	117	117	112	112	112	107	107	107	103	103	103	101
1	112	108	105	102	110	106	103	100	102	99	97	98	96	94	95	93	91	89
2	104	97	91	86	101	95	90	85	91	87	83	88	84	81	85	82	80	78
3	95	86	79	73	93	85	78	73	82	76	72	79	74	70	77	73	69	67
4	88	77	69	63	86	76	68	63	73	67	62	71	66	61	69	64	60	58
5	81	69	61	55	79	68	60	55	66	59	54	64	58	54	62	57	53	51
6	75	63	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45
7	70	57	49	43	68	56	48	43	55	48	42	53	47	42	52	46	42	40
8	65	52	44	38	63	51	44	38	50	43	38	49	42	38	48	42	38	36
9	61	48	40	35	59	47	40	35	46	39	34	45	39	34	44	38	34	32
10	57	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29

POLAR GRAPH



Maximum Candela = 12.31 Located At Horizontal Angle = 0, Vertical Angle = 2.5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (90 - 270)
3 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)