



IES INDOOR REPORT
PHOTOMETRIC FILENAME : 3706-S-35-BK1.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L021601101
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUE DATE] 2/11/2016
 [MANUFAC] TEMPO INDUSTRIES
 [LUMCAT] 3706-S-35-BK1
 [LUMINAIRE] SENTINEL-SUPPLEMENTAL RAIL LIGHT
 [MORE] SIZE: 1.5"L. X 7.75"W. X 1"H.
 [BALLASTCAT] N.A.
 [LAMPPOSITION] 0,0
 [LAMPCAT] N/A
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [_INPUT] 12VAC, 0.04A, 0.44W, 0.93PF, 39% THD
 [_TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	25
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	57
Total Luminaire Watts	0.44
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.34
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.08 ft
Luminous Width (90-270)	0.25 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	5104	5040	4721
55	5899	5466	629
65	3949	1707	0
75	0	0	0
85	0	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	11.094	11.094	11.094	11.094	11.094	11.094	11.094	11.094	11.094	11.094
5	11.159	11.075	11.117	11.117	11.159	11.075	11.159	11.117	11.075	11.075
10	10.991	10.991	10.991	10.991	10.991	10.991	10.991	10.991	10.991	10.991
15	10.824	10.824	10.824	10.824	10.782	10.782	10.740	10.782	10.782	10.782
20	10.572	10.572	10.572	10.572	10.488	10.446	10.446	10.446	10.488	10.446
25	9.984	10.026	10.026	10.026	10.026	10.110	10.110	10.068	10.026	10.026
30	9.397	9.397	9.397	9.397	9.523	9.481	9.481	9.481	9.439	9.439
35	8.726	8.726	8.768	8.768	8.894	8.894	8.894	8.810	8.810	8.810
40	7.551	7.593	7.635	7.719	7.845	7.929	8.013	8.139	8.139	8.139
45	6.712	6.712	6.670	6.670	6.796	6.964	6.880	6.880	6.796	6.628
50	6.544	6.544	6.544	6.502	6.586	6.796	6.754	6.628	6.419	6.125
55	6.293	6.293	6.293	6.251	6.209	6.167	6.167	6.209	6.083	5.831
60	5.705	5.747	5.622	5.496	5.370	5.202	4.992	4.741	4.447	4.069
65	3.104	3.062	2.979	2.937	2.811	2.685	2.475	2.223	1.846	1.342
70	0.671	0.671	0.587	0.503	0.420	0.294	0.168	0.126	0.084	0.042
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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	11.094	11.094	11.094	11.094	11.094	11.094	11.094	11.094	11.094
5	11.117	11.075	11.117	11.075	11.075	11.075	11.075	11.075	11.075
10	10.991	10.991	10.991	11.033	10.907	10.991	10.907	11.033	10.907
15	10.782	10.782	10.824	10.782	10.782	10.824	10.782	10.740	10.740
20	10.446	10.446	10.488	10.446	10.488	10.362	10.404	10.362	10.404
25	9.943	9.984	9.984	9.943	9.984	9.984	9.943	9.943	9.901
30	9.439	9.439	9.439	9.481	9.439	9.481	9.439	9.523	9.397
35	8.852	8.810	8.852	8.894	8.894	8.936	8.852	8.894	8.894
40	8.055	8.097	8.055	8.013	8.013	8.097	8.097	8.055	8.055
45	6.544	6.419	6.377	6.335	6.293	6.293	6.293	6.251	6.209
50	5.789	5.412	5.076	4.657	4.237	3.860	3.524	3.356	3.272
55	5.412	4.950	4.279	3.524	2.811	2.014	1.300	0.839	0.671
60	3.608	3.021	2.349	1.636	0.923	0.587	0.294	0.168	0.168
65	0.797	0.420	0.252	0.084	0.042	0.042	0.000	0.042	0.000
70	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
75	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
80	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
85	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4.10	N.A.	16.40
0-30	8.71	N.A.	34.80
0-40	14.21	N.A.	56.70
0-60	23.43	N.A.	93.50
0-80	25.06	N.A.	100.00
0-90	25.06	N.A.	100.00
10-90	24.00	N.A.	95.80
20-40	10.11	N.A.	40.30
20-50	15.25	N.A.	60.90
40-70	10.80	N.A.	43.10
60-80	1.62	N.A.	6.50
70-80	0.05	N.A.	0.20
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	25.06	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	1.06
10-20	3.04
20-30	4.61
30-40	5.50
40-50	5.14
50-60	4.09
60-70	1.58
70-80	0.05
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

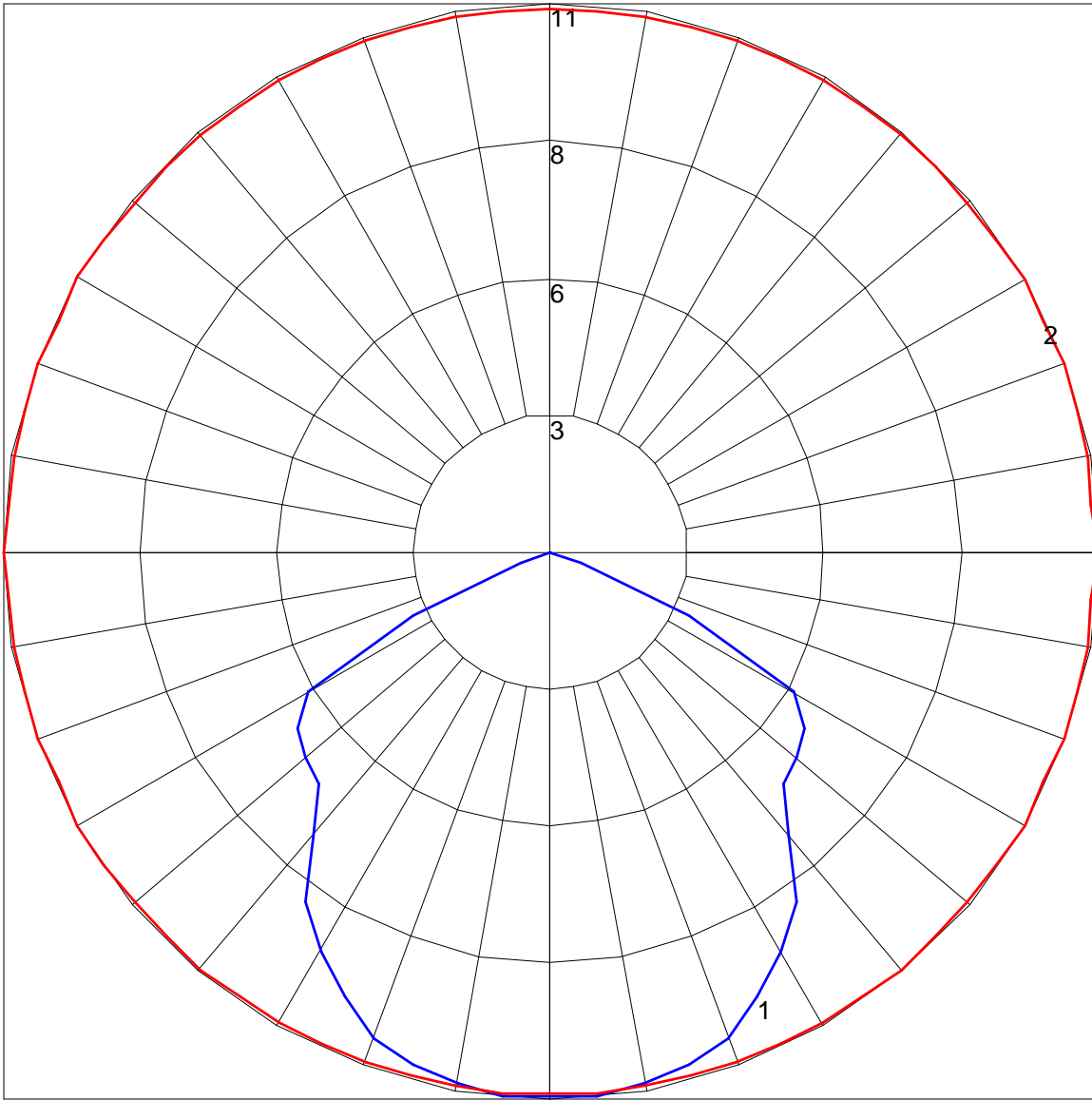
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	117	117	117	117	111	111	111	107	107	107	102	102	102	100
1	112	108	105	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68
4	88	77	70	64	86	76	69	63	74	68	63	71	66	62	69	65	61	59
5	81	70	62	56	79	69	61	55	67	60	55	65	59	54	63	58	54	52
6	75	63	55	49	73	62	55	49	61	54	49	59	53	48	57	52	48	46
7	70	58	49	44	68	57	49	44	55	48	43	54	48	43	53	47	43	41
8	65	53	45	39	64	52	44	39	51	44	39	50	43	39	48	43	39	37
9	61	48	41	36	60	48	40	35	47	40	35	46	40	35	45	39	35	33
10	57	45	37	32	56	44	37	32	43	37	32	42	36	32	42	36	32	30

POLAR GRAPH



Maximum Candela = 11.159 Located At Horizontal Angle = 0, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)