



IES INDOOR REPORT

PHOTOMETRIC FILENAME : STSQ-LED35-MO-CW.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L021507504R02
 [TESTLAB]
 [ISSUE DATE]
 [MANUFAC] PRUDENTIAL LTG.
 [LUMCAT] STSQ-LED35-MO-CW
 [LUMINAIRE] 4-1/2"L. X 48"W. X 5"H. LED LUMINAIRE
 [MORE] LEDS WITH OPTICS
 [BALLASTCAT] OSRAM OPTOTRONIC
 [BALLAST] INPUT: 120-277VAC
 [LAMPPOSITION] 0,0

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1268
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	11.3
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.33 ft
Luminous Width (90-270)	3.94 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
65	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
70	0.000	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	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
95	61.073	63.367	68.940	80.483	97.733	122.265	147.255	154.275	131.880	90.060
100	361.267	369.060	379.065	392.543	397.387	376.590	318.517	238.988	159.735	92.257
105	437.723	435.705	423.952	404.543	370.515	322.980	267.825	213.292	160.815	110.257
110	431.835	428.212	416.137	394.155	360.397	317.925	269.790	220.988	176.325	136.148
115	412.260	408.135	397.980	376.500	348.330	313.928	273.900	233.355	195.240	163.192
120	400.035	396.870	386.670	369.630	345.345	315.757	282.600	248.153	215.153	187.058
125	393.233	390.600	380.738	366.038	346.065	321.000	292.598	262.298	234.030	208.493
130	385.072	382.725	374.692	360.540	343.207	322.545	297.502	272.130	247.718	226.185
135	370.965	368.438	361.642	349.493	334.913	316.988	296.197	275.145	255.292	238.170
140	349.327	346.358	339.757	330.668	319.485	305.317	289.087	273.780	258.697	245.588
145	323.332	321.322	316.402	309.780	301.665	291.563	280.868	270.000	259.118	248.947
150	300.697	299.130	296.077	292.110	287.325	280.800	273.675	265.942	258.225	249.803
155	284.978	284.452	282.368	279.502	276.390	272.340	267.375	261.683	255.915	249.412
160	272.460	273.022	271.178	269.520	267.457	264.675	261.067	257.205	253.125	248.610
165	262.200	262.140	261.105	260.033	258.615	256.995	254.827	252.502	250.118	247.657
170	254.107	253.800	252.690	252.563	251.940	251.355	250.553	249.442	248.565	247.553
175	249.548	248.722	249.015	248.565	248.407	248.445	248.648	248.415	248.265	248.002
180	247.500	247.500	247.500	247.500	247.500	247.500	247.500	247.500	247.500	247.500

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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
35	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
40	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
45	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
50	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
55	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
60	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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CANDELA TABULATION - (Cont.)

65	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	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
95	53.400	33.593	24.398	20.363	18.802	18.615	17.183	12.885	10.695
100	68.475	51.135	44.610	42.112	40.072	36.480	31.785	26.543	23.902
105	89.760	73.440	65.655	61.665	58.462	54.068	47.850	42.083	39.630
110	111.067	97.935	89.498	84.720	79.950	73.080	65.370	59.475	57.135
115	138.210	124.230	116.730	109.838	101.850	92.483	84.045	78.233	76.118
120	165.667	151.433	140.265	130.627	121.522	111.293	102.638	97.058	95.085
125	188.970	174.743	163.178	152.123	139.305	128.940	121.582	116.310	114.608
130	209.010	195.157	183.075	171.045	159.127	147.585	139.770	135.660	134.167
135	223.665	210.938	198.998	186.683	174.998	165.127	157.575	153.195	151.935
140	233.333	221.670	210.360	198.600	188.048	179.115	172.680	168.923	167.857
145	238.440	228.398	218.048	207.982	199.072	191.880	186.675	183.833	183.037
150	241.290	232.740	224.197	216.097	209.340	203.857	200.280	198.202	197.618
155	242.648	236.400	229.815	224.235	219.540	215.445	212.985	211.875	211.485
160	243.982	239.873	235.627	231.885	228.750	225.817	224.655	223.890	223.860
165	245.257	242.632	240.600	238.477	236.512	234.960	234.345	233.760	233.490
170	246.105	245.407	244.515	243.368	242.407	241.268	241.343	241.110	241.215
175	247.507	247.350	246.787	246.405	246.105	245.197	245.363	245.490	245.310
180	247.500	247.500	247.500	247.500	247.500	247.500	247.500	247.500	247.500

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	0.00	N.A.	0.00
0-30	0.00	N.A.	0.00
0-40	0.00	N.A.	0.00
0-60	0.00	N.A.	0.00
0-80	0.00	N.A.	0.00
0-90	0.00	N.A.	0.00
10-90	0.00	N.A.	0.00
20-40	0.00	N.A.	0.00
20-50	0.00	N.A.	0.00
40-70	0.00	N.A.	0.00
60-80	0.00	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	287.50	N.A.	22.70
90-120	497.52	N.A.	39.20
90-130	708.25	N.A.	55.80
90-150	1059.45	N.A.	83.50
90-180	1268.3	N.A.	100.00
110-180	980.80	N.A.	77.30
0-180	1268.3	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.00
90-100	85.29
100-110	202.21
110-120	210.02
120-130	210.73
130-140	193.83
140-150	157.37
150-160	115.00
160-170	70.24
170-180	23.62

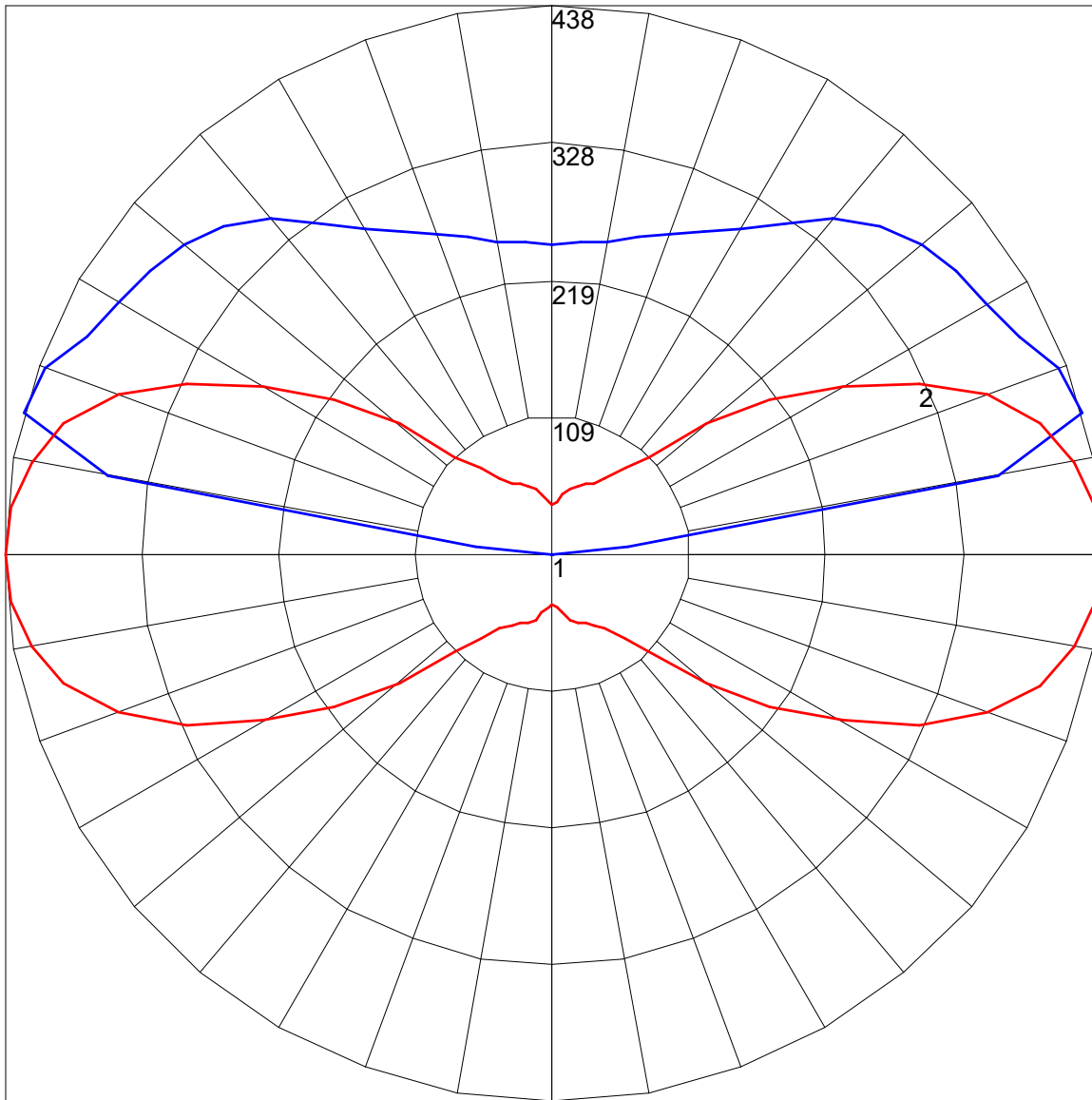
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	95	95	95	95	81	81	81	81	56	56	56	32	32	32	10	10	10	0
1	87	83	79	76	74	71	68	65	48	47	45	28	27	26	9	9	8	0
2	79	72	66	62	67	62	57	53	42	40	37	24	23	22	8	7	7	0
3	72	63	56	51	61	54	49	44	37	34	31	21	20	18	7	6	6	0
4	65	56	48	43	56	48	42	37	33	29	26	19	17	16	6	6	5	0
5	60	49	42	36	51	42	36	32	29	25	22	17	15	13	5	5	4	0
6	55	44	36	31	47	38	32	27	26	22	19	15	13	11	5	4	4	0
7	50	39	32	27	43	34	28	23	23	19	17	14	11	10	4	4	3	0
8	47	35	28	23	40	30	24	20	21	17	14	12	10	9	4	3	3	0
9	43	32	25	20	37	28	22	18	19	15	13	11	9	8	4	3	3	0
10	40	29	22	18	34	25	19	16	17	14	11	10	8	7	3	3	2	0

POLAR GRAPH



Maximum Candela = 437.723 Located At Horizontal Angle = 0, Vertical Angle = 105
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (105) (Through Max. Cd.)