



IES INDOOR REPORT

PHOTOMETRIC FILENAME : STSQ-LED35-MO-D1-NU.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L051506801
 [TESTLAB]
 [ISSUE DATE]
 [MANUFAC] PRUDENTIAL LTG.
 [LUMCAT] STSQ-LED35-MO
 [LUMINAIRE] 49"L. X 5"W. X 4-1/4"H. LED LUMINAIRE
 [MORE] WHITE REFLECTOR
 [BALLASTCAT] OSRAM OPTOTRONIC
 [BALLAST] INPUT: 120-277VAC
 [LAMPPOSITION] 0,0
 [LAMPCAT] N/A
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [INPUT] 120VAC
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2652
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	24
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	3.88 ft
Luminous Width (90-270)	0.21 ft
Luminous Height	0.00 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11845	11305	11235
55	11708	11184	11076
65	11743	11242	10635
75	11250	9554	7003
85	9617	4793	4404

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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	912.364	912.364	912.364	912.364	912.364	912.364	912.364	912.364	912.364	912.364
5	907.470	907.083	906.439	905.694	905.924	906.513	907.092	907.175	906.218	905.961
10	896.135	895.280	894.148	892.740	892.547	892.621	892.593	892.133	891.011	890.450
15	877.662	876.410	874.708	872.721	871.985	871.553	870.817	869.750	868.176	867.174
20	852.803	851.120	848.516	846.078	844.790	843.686	842.435	841.009	838.828	837.329
25	820.898	818.717	815.654	812.562	810.980	809.296	807.484	805.672	803.224	801.127
30	783.040	780.464	776.719	773.481	771.448	769.405	767.262	764.676	761.870	759.616
35	739.450	736.423	732.200	728.401	726.018	723.608	720.958	718.115	715.162	712.936
40	689.871	686.449	681.904	677.764	674.995	672.189	669.530	666.384	663.633	661.324
45	634.588	630.798	625.867	621.920	618.847	615.995	613.070	609.877	607.559	605.682
50	574.347	570.382	565.395	561.402	558.274	555.616	552.690	550.031	548.338	547.087
55	508.815	504.822	499.900	496.294	493.543	491.354	488.943	487.149	486.211	486.054
60	447.985	444.121	439.466	436.374	434.093	432.354	430.946	430.072	429.640	429.079
65	376.013	372.250	368.138	365.976	364.854	363.980	363.455	362.756	361.799	359.978
70	300.076	296.810	293.774	292.854	292.845	292.689	291.888	289.901	286.626	282.394
75	220.616	218.574	217.672	218.592	218.804	217.267	213.210	206.393	197.763	187.358
80	141.395	140.870	142.738	143.226	139.546	130.631	117.778	104.705	93.996	85.956
85	63.508	65.835	64.602	54.298	44.335	38.364	35.521	33.856	32.632	31.648
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	912.364	912.364	912.364	912.364	912.364	912.364	912.364	912.364	912.364
5	905.464	905.032	904.719	903.219	901.959	901.876	902.419	903.201	903.302
10	889.235	888.591	887.929	886.070	884.957	884.516	884.635	885.169	885.178
15	865.573	864.607	863.494	861.626	860.494	859.942	859.197	859.731	860.540
20	835.351	834.044	832.756	830.907	830.033	828.975	827.825	828.810	829.500
25	799.020	797.465	795.929	794.383	793.656	792.396	790.915	792.240	792.672
30	757.298	755.844	754.317	752.992	752.164	750.886	749.460	750.527	750.665
35	710.672	709.384	707.977	706.937	706.146	704.499	703.680	703.938	704.656
40	659.474	658.591	657.285	656.604	655.822	654.451	654.230	654.230	655.242
45	604.661	603.842	602.940	602.508	601.606	600.778	600.880	600.806	601.947
50	546.563	545.827	545.266	544.732	543.453	543.067	543.315	543.527	544.189
55	485.346	484.444	483.902	482.733	481.694	481.022	480.912	481.721	481.353
60	427.920	426.733	425.445	423.522	422.096	421.553	420.265	421.084	420.412
65	357.944	355.322	351.826	349.002	346.067	344.062	341.854	341.486	340.529
70	276.598	270.121	264.380	258.106	253.580	248.906	246.017	244.334	243.358
75	175.416	167.228	158.820	151.800	145.940	141.928	139.601	137.899	137.328
80	80.951	77.133	74.833	71.180	68.227	67.335	66.645	66.314	66.240
85	30.894	30.332	29.918	29.596	29.339	29.182	29.109	29.090	29.081
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	330.66	N.A.	12.50
0-30	700.74	N.A.	26.40
0-40	1148.87	N.A.	43.30
0-60	2058.04	N.A.	77.60
0-80	2604.48	N.A.	98.20
0-90	2652.04	N.A.	100.00
10-90	2566.11	N.A.	96.80
20-40	818.21	N.A.	30.90
20-50	1289.16	N.A.	48.60
40-70	1260.5	N.A.	47.50
60-80	546.44	N.A.	20.60
70-80	195.11	N.A.	7.40
80-90	47.56	N.A.	1.80
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	2652.04	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	85.93
10-20	244.73
20-30	370.07
30-40	448.14
40-50	470.95
50-60	438.22
60-70	351.33
70-80	195.11
80-90	47.56
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

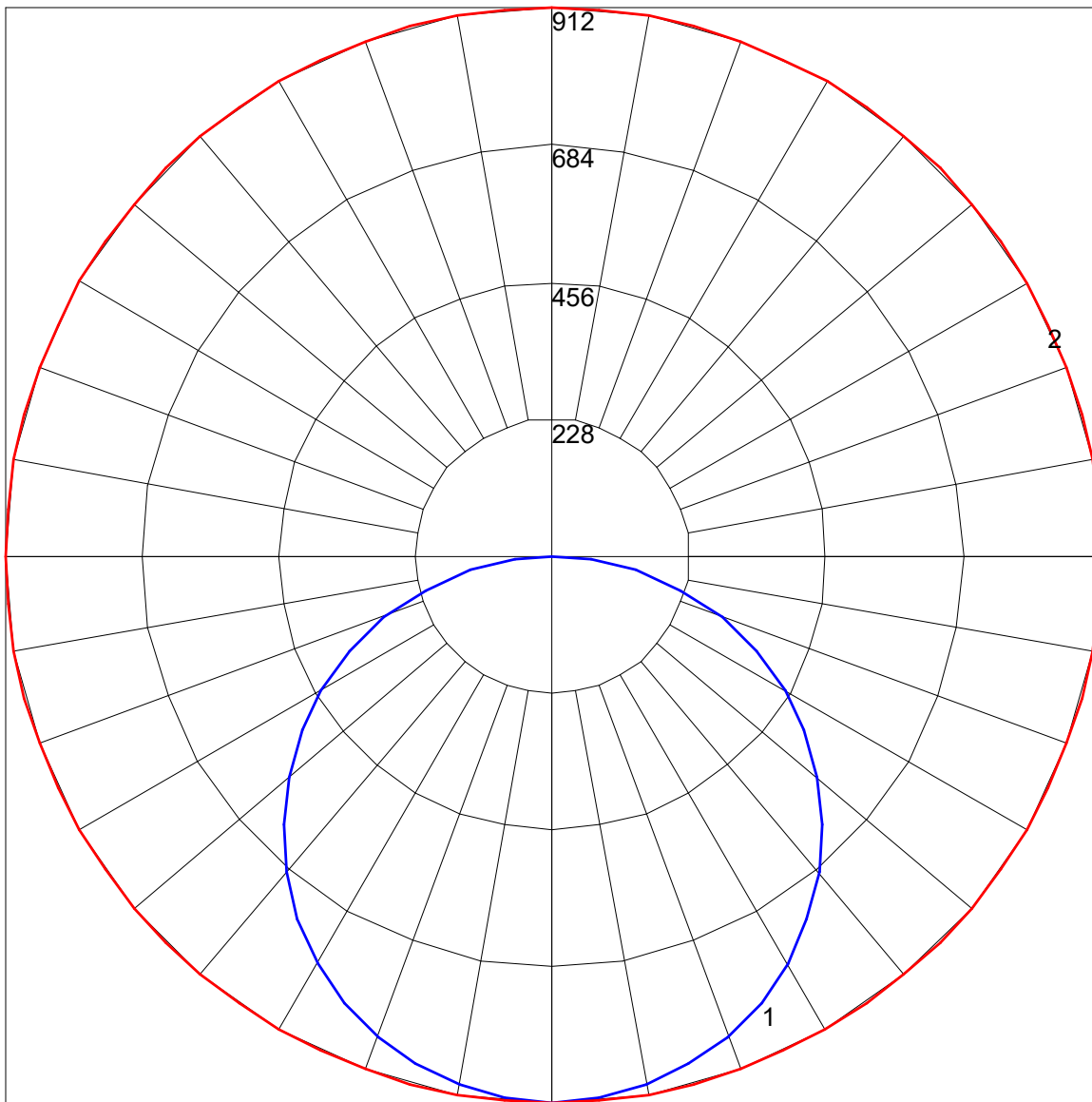
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	74	81	77	73	78	74	71	69
3	90	79	70	64	87	77	69	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	34	32
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

POLAR GRAPH



Maximum Candela = 912.364 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.)