



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L021507504R02
 [TESTLAB]
 [ISSUEDATE]
 [MANUFAC] PRUDENTIAL LTG.
 [LUMCAT] STSQ-LED35-HO-CW
 [LUMINAIRE] 4-1/2"L. X 48"W. X 5"H. LED LUMINAIRE
 [MORE] LEDS WITH OPTICS
 [BALLASTCAT] OSRAM OPTOTRONIC

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2283
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	21.3
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : STSQ-LED35-HO-CW.IES

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	109.931	114.062	124.092	144.869	175.919	220.077	265.059	277.695	237.384	162.108
100	650.282	664.308	682.317	706.577	715.298	677.862	573.332	430.178	287.523	166.064
105	787.901	784.269	763.115	728.177	666.927	581.364	482.085	383.927	289.467	198.464
110	777.303	770.783	749.048	709.479	648.716	572.265	485.622	397.778	317.385	245.066
115	742.068	734.643	716.364	677.700	626.994	565.070	493.020	420.039	351.432	293.747
120	720.063	714.366	696.006	665.334	621.621	568.364	508.680	446.675	387.275	336.704
125	707.819	703.080	685.328	658.868	622.917	577.800	526.676	472.136	421.254	375.287
130	693.131	688.905	674.447	648.972	617.774	580.581	535.505	489.834	445.892	407.133
135	667.737	663.188	650.957	629.087	602.843	570.578	533.156	495.261	459.527	428.706
140	628.790	623.444	611.564	595.202	575.073	549.572	520.358	492.804	465.656	442.058
145	581.999	578.381	569.525	557.604	542.997	524.813	505.562	486.000	466.412	448.106
150	541.256	538.434	532.940	525.798	517.185	505.440	492.615	478.697	464.805	449.645
155	512.960	512.015	508.262	503.105	497.502	490.212	481.275	471.029	460.647	448.943
160	490.428	491.441	488.120	485.136	481.424	476.415	469.922	462.969	455.625	447.498
165	471.960	471.852	469.989	468.059	465.507	462.591	458.690	454.505	450.212	445.784
170	457.394	456.840	454.842	454.613	453.492	452.439	450.995	448.997	447.417	445.595
175	449.186	447.701	448.227	447.417	447.134	447.201	447.566	447.147	446.877	446.405
180	445.500	445.500	445.500	445.500	445.500	445.500	445.500	445.500	445.500	445.500

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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : STSQ-LED35-HO-CW.IES

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	96.120	60.467	43.916	36.653	33.845	33.507	30.929	23.193	19.251
100	123.255	92.043	80.298	75.803	72.131	65.664	57.213	47.777	43.025
105	161.568	132.192	118.179	110.997	105.233	97.322	86.130	75.749	71.334
110	199.922	176.283	161.096	152.496	143.910	131.544	117.666	107.055	102.843
115	248.778	223.614	210.114	197.708	183.330	166.469	151.281	140.819	137.012
120	298.202	272.579	252.477	235.130	218.741	200.327	184.748	174.704	171.153
125	340.146	314.537	293.720	273.821	250.749	232.092	218.849	209.358	206.294
130	376.218	351.284	329.535	307.881	286.430	265.653	251.586	244.188	241.502
135	402.597	379.688	358.196	336.029	314.996	297.230	283.635	275.751	273.483
140	419.999	399.006	378.648	357.480	338.486	322.407	310.824	304.061	302.144
145	429.192	411.116	392.486	374.369	358.331	345.384	336.015	330.899	329.468
150	434.322	418.932	403.556	388.976	376.812	366.944	360.504	356.765	355.712
155	436.766	425.520	413.667	403.623	395.172	387.801	383.373	381.375	380.673
160	439.169	431.771	424.130	417.393	411.750	406.472	404.379	403.002	402.948
165	441.464	436.739	433.080	429.260	425.723	422.928	421.821	420.768	420.282
170	442.989	441.734	440.127	438.062	436.334	434.282	434.417	433.998	434.187
175	445.514	445.230	444.218	443.529	442.989	441.356	441.653	441.882	441.558
180	445.500	445.500	445.500	445.500	445.500	445.500	445.500	445.500	445.500

IES INDOOR REPORT
PHOTOMETRIC FILENAME : STSQ-LED35-HO-CW.IES

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	517.50	N.A.	22.70
90-120	895.54	N.A.	39.20
90-130	1274.85	N.A.	55.80
90-150	1907.01	N.A.	83.50
90-180	2282.95	N.A.	100.00
110-180	1765.44	N.A.	77.30
0-180	2282.95	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	153.52
100-110	363.99
110-120	378.03
120-130	379.32
130-140	348.89
140-150	283.26
150-160	207.00
160-170	126.42
170-180	42.51

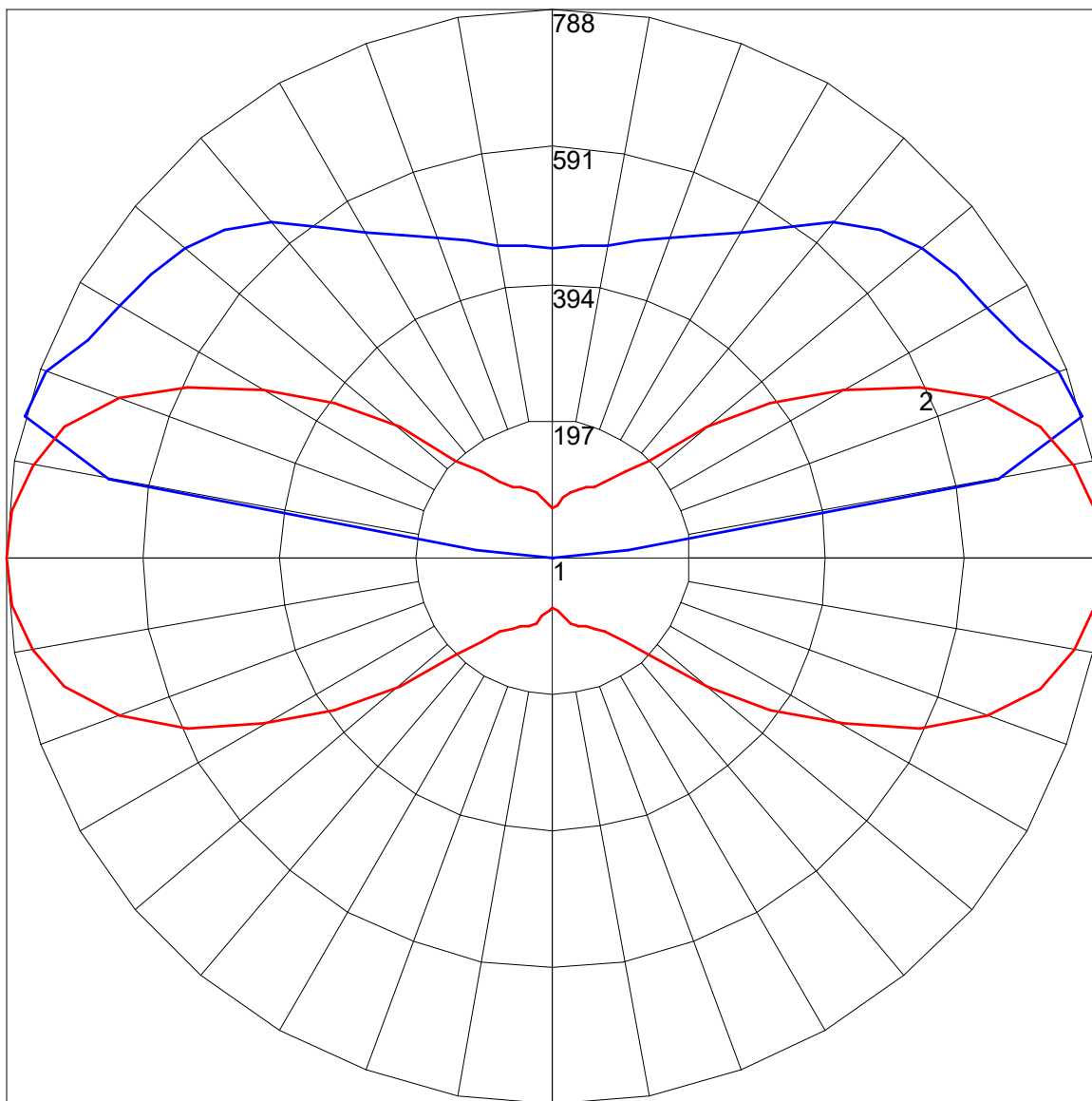
IES INDOOR REPORT
PHOTOMETRIC FILENAME : STSQ-LED35-HO-CW.IES

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 = 787.901 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.)