



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L021507504R02
 [TESTLAB] LIGHT LABORATORY, INC.
 [ISSUE DATE] 6/18/2015
 [MANUFACT] PRUDENTIAL LTG.
 [LUMCAT] STSQ-LED35-SO-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
 [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	1099
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
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

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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

	0	5	10	15	20	25	30	35	40	45
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	52.929	54.918	59.748	69.751	84.701	105.963	127.621	133.705	114.296	78.052
100	313.098	319.852	328.523	340.203	344.402	326.378	276.048	207.122	138.437	79.956
105	379.359	377.611	367.425	350.603	321.113	279.916	232.115	184.853	139.373	95.556
110	374.257	371.117	360.652	341.601	312.344	275.535	233.818	191.522	152.815	117.994
115	357.292	353.717	344.916	326.300	301.886	272.070	237.380	202.241	169.208	141.433
120	346.697	343.954	335.114	320.346	299.299	273.656	244.920	215.065	186.465	162.116
125	340.801	338.520	329.972	317.232	299.923	278.200	253.584	227.324	202.826	180.693
130	333.729	331.695	324.733	312.468	297.446	279.539	257.835	235.846	214.688	196.027
135	321.503	319.312	313.423	302.893	290.257	274.722	256.704	238.459	221.253	206.414
140	302.750	300.176	294.456	286.578	276.887	264.608	250.542	237.276	224.204	212.842
145	280.221	278.479	274.215	268.476	261.443	252.687	243.418	234.000	224.568	215.754
150	260.604	259.246	256.600	253.162	249.015	243.360	237.185	230.483	223.795	216.495
155	246.980	246.525	244.718	242.235	239.538	236.028	231.725	226.791	221.793	216.157
160	236.132	236.619	235.020	233.584	231.796	229.385	226.258	222.911	219.375	215.462
165	227.240	227.188	226.291	225.361	224.133	222.729	220.850	218.835	216.768	214.636
170	220.226	219.960	218.998	218.887	218.348	217.841	217.145	216.183	215.423	214.545
175	216.274	215.559	215.813	215.423	215.286	215.319	215.494	215.293	215.163	214.935
180	214.500	214.500	214.500	214.500	214.500	214.500	214.500	214.500	214.500	214.500

Vert. Angles **Horizontal Angles**

	50	55	60	65	70	75	80	85	90
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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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	46.280	29.113	21.144	17.647	16.295	16.133	14.891	11.167	9.269
100	59.345	44.317	38.662	36.497	34.729	31.616	27.547	23.003	20.715
105	77.792	63.648	56.901	53.443	50.667	46.858	41.470	36.471	34.346
110	96.258	84.877	77.564	73.424	69.290	63.336	56.654	51.545	49.517
115	119.782	107.666	101.166	95.192	88.270	80.151	72.839	67.801	65.968
120	143.578	131.241	121.563	113.210	105.319	96.453	88.952	84.116	82.407
125	163.774	151.443	141.420	131.839	120.731	111.748	105.371	100.802	99.326
130	181.142	169.136	158.665	148.239	137.910	127.907	121.134	117.572	116.278
135	193.843	182.812	172.464	161.791	151.664	143.110	136.565	132.769	131.677
140	202.221	192.114	182.312	172.120	162.974	155.233	149.656	146.399	145.476
145	206.648	197.944	188.974	180.251	172.529	166.296	161.785	159.321	158.632
150	209.118	201.708	194.304	187.284	181.428	176.676	173.576	171.775	171.268
155	210.294	204.880	199.173	194.337	190.268	186.719	184.587	183.625	183.287
160	211.451	207.889	204.210	200.967	198.250	195.708	194.701	194.038	194.012
165	212.556	210.281	208.520	206.680	204.977	203.632	203.099	202.592	202.358
170	213.291	212.686	211.913	210.918	210.086	209.098	209.163	208.962	209.053
175	214.506	214.370	213.882	213.551	213.291	212.504	212.647	212.758	212.602
180	214.500	214.500	214.500	214.500	214.500	214.500	214.500	214.500	214.500

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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	249.17	N.A.	22.70
90-120	431.18	N.A.	39.20
90-130	613.82	N.A.	55.80
90-150	918.19	N.A.	83.50
90-180	1099.19	N.A.	100.00
110-180	850.03	N.A.	77.30
0-180	1099.19	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	73.92
100-110	175.25
110-120	182.02
120-130	182.63
130-140	167.98
140-150	136.39
150-160	99.67
160-170	60.87
170-180	20.47

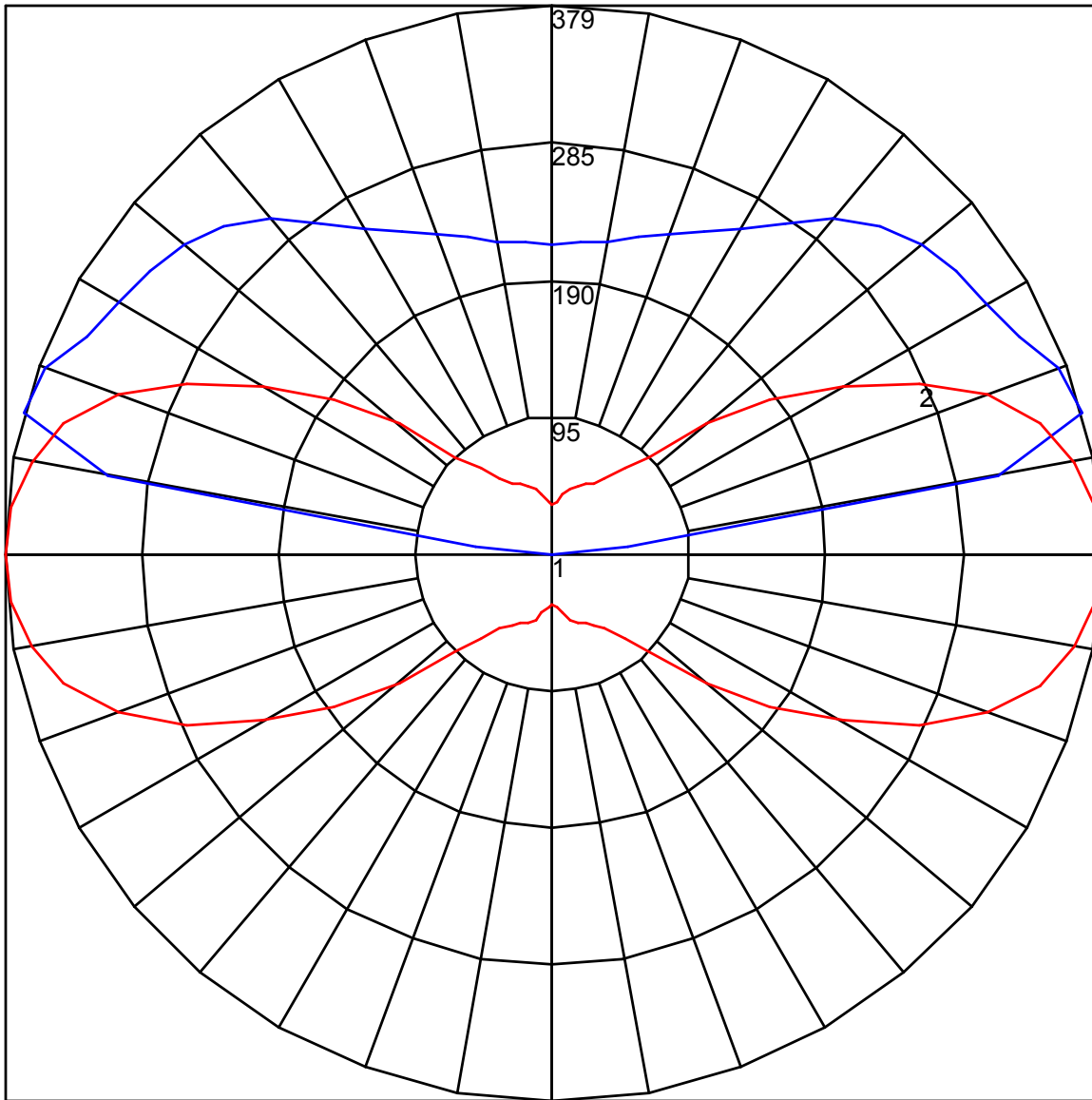
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 379.359 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.)