



IES INDOOR REPORT

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

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L051506801
 [TESTLAB]
 [ISSUE DATE]
 [MANUFAC] PRUDENTIAL LTG.
 [LUMCAT] STSQ-LED35-LO-D1-NU
 [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	1816
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	16
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	8111	7741	7694
55	8017	7659	7585
65	8041	7698	7282
75	7704	6542	4795
85	6586	3282	3016

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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	624.771	624.771	624.771	624.771	624.771	624.771	624.771	624.771	624.771	624.771
5	621.419	621.155	620.714	620.203	620.361	620.764	621.161	621.218	620.563	620.386
10	613.658	613.072	612.297	611.333	611.201	611.251	611.232	610.917	610.149	609.764
15	601.007	600.151	598.985	597.624	597.120	596.824	596.320	595.589	594.512	593.825
20	583.985	582.832	581.049	579.379	578.497	577.741	576.885	575.908	574.415	573.388
25	562.136	560.643	558.545	556.429	555.345	554.192	552.951	551.710	550.034	548.598
30	536.212	534.448	531.884	529.666	528.274	526.875	525.407	523.637	521.716	520.172
35	506.362	504.290	501.398	498.796	497.164	495.514	493.699	491.753	489.730	488.206
40	472.412	470.068	466.956	464.121	462.225	460.303	458.482	456.328	454.444	452.863
45	434.555	431.959	428.583	425.880	423.776	421.823	419.819	417.633	416.046	414.760
50	393.303	390.587	387.173	384.439	382.297	380.476	378.472	376.652	375.493	374.636
55	348.428	345.694	342.323	339.853	337.970	336.470	334.820	333.591	332.949	332.842
60	306.772	304.126	300.938	298.822	297.259	296.068	295.105	294.506	294.210	293.826
65	257.487	254.911	252.094	250.614	249.845	249.247	248.888	248.409	247.754	246.506
70	205.487	203.251	201.172	200.542	200.535	200.428	199.880	198.519	196.276	193.378
75	151.074	149.675	149.058	149.688	149.833	148.781	146.002	141.334	135.425	128.299
80	96.825	96.466	97.744	98.078	95.558	89.454	80.653	71.700	64.367	58.861
85	43.489	45.083	44.239	37.183	30.360	26.271	24.324	23.184	22.346	21.672
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	624.771	624.771	624.771	624.771	624.771	624.771	624.771	624.771	624.771
5	620.046	619.750	619.536	618.509	617.646	617.589	617.961	618.496	618.565
10	608.933	608.492	608.038	606.766	606.003	605.701	605.783	606.148	606.154
15	592.729	592.068	591.305	590.026	589.252	588.874	588.363	588.729	589.283
20	572.034	571.139	570.257	568.991	568.392	567.668	566.880	567.554	568.027
25	547.155	546.090	545.038	543.980	543.482	542.619	541.605	542.512	542.808
30	518.584	517.589	516.543	515.636	515.069	514.193	513.217	513.948	514.042
35	486.656	485.774	484.810	484.098	483.556	482.429	481.868	482.044	482.536
40	451.597	450.992	450.097	449.631	449.095	448.157	448.006	448.006	448.699
45	414.061	413.500	412.883	412.587	411.970	411.403	411.472	411.421	412.203
50	374.277	373.773	373.388	373.023	372.147	371.883	372.053	372.198	372.651
55	332.356	331.739	331.367	330.567	329.855	329.395	329.320	329.874	329.622
60	293.032	292.219	291.337	290.020	289.044	288.672	287.790	288.351	287.891
65	245.114	243.319	240.925	238.990	236.981	235.607	234.095	233.843	233.188
70	189.409	184.974	181.043	176.746	173.647	170.446	168.468	167.315	166.648
75	120.122	114.515	108.757	103.950	99.937	97.190	95.596	94.431	94.040
80	55.434	52.819	51.244	48.743	46.721	46.110	45.637	45.410	45.360
85	21.155	20.771	20.488	20.267	20.091	19.984	19.933	19.921	19.914
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	226.43	N.A.	12.50
0-30	479.85	N.A.	26.40
0-40	786.73	N.A.	43.30
0-60	1409.31	N.A.	77.60
0-80	1783.5	N.A.	98.20
0-90	1816.07	N.A.	100.00
10-90	1757.23	N.A.	96.80
20-40	560.30	N.A.	30.90
20-50	882.79	N.A.	48.60
40-70	863.17	N.A.	47.50
60-80	374.19	N.A.	20.60
70-80	133.61	N.A.	7.40
80-90	32.57	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	1816.07	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	58.85
10-20	167.59
20-30	253.42
30-40	306.88
40-50	322.50
50-60	300.08
60-70	240.59
70-80	133.61
80-90	32.57
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

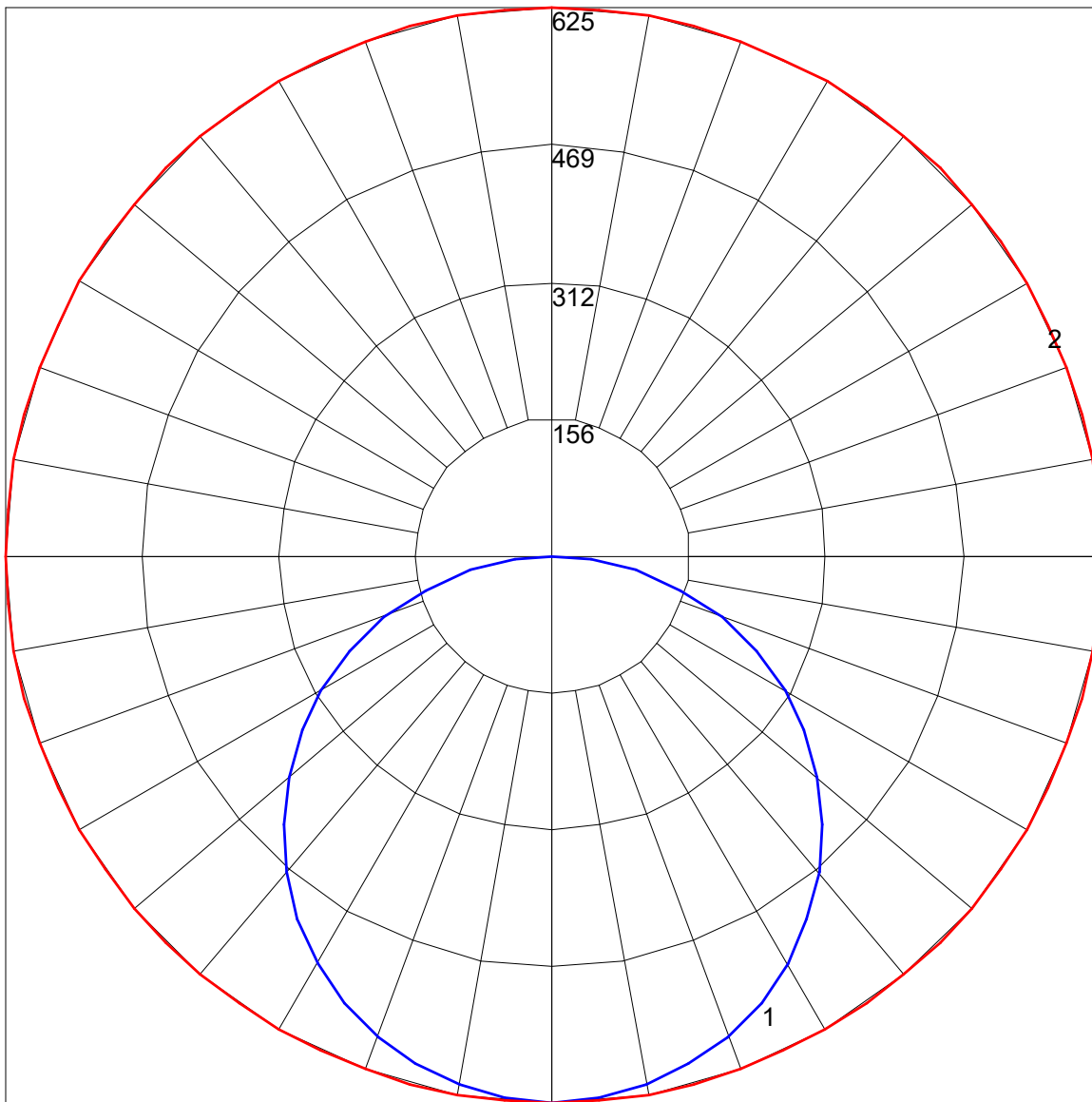
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	75	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 = 624.771 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.)