

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_35 ~ SS3DMX-XT30LE1-SDD3X-XXK-WDMWGL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_35_M-30L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 2/17/2017
[UPDATE] 5/1/2017
[LUMCAT] SS3DMx-XT30L-E1-SDD3x-xxK-WD-MW-GL
[LUMINAIRE] Nominal 3" Square Downlight, Deep profile, Wide Beam
[OTHER] Matte White Trim, clear glass lens
[OTHER] 48.8 Degree Beam Angle
[LAMP] N/A, 19mm
[LAMPCAT] N/A, Min. 83 CRI
[OTHER] Total Luminaire Watts is approximate
[OTHER] For New Construction Non-IC Housing: SS3DMO-XT-series
[OTHER] For Remodel/Retrofit Housing: SS3DMR-XT-Series
[OTHER] For SDD3F or SDD3N Downlight Trim
[OTHER] LEDXT lumen output is the same for all available CCT's
[OTHER] This report prepared by Spectrum Lighting, scaled from 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2235
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.74
Spacing Criterion (90-270)	0.74
Spacing Criterion (Diagonal)	0.80
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.31 ft
Luminous Width (90-270)	0.31 ft
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9742	21559	9731
55	5762	8292	6006
65	5863	6032	6286
75	1508	1598	1312
85	3813	2698	1993

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	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	3245.216	3245.215	3245.215	3245.215	3245.215
5	3156.370	3158.006	3160.784	3175.139	3170.039
10	2919.672	2942.905	2953.761	2973.113	2941.905
15	2489.407	2556.585	2592.171	2582.789	2511.150
20	1969.516	2081.168	2109.410	2092.309	1991.472
25	1378.638	1531.062	1635.984	1533.282	1383.290
30	852.426	991.719	1162.569	987.891	845.496
35	482.947	564.828	700.272	548.995	480.918
40	207.035	288.477	346.542	285.500	192.954
45	62.559	89.172	138.436	75.514	62.487
50	44.803	56.070	59.971	50.938	46.760
55	30.015	37.105	43.188	36.883	31.285
60	26.712	29.683	25.812	28.787	24.540
65	22.502	32.743	23.148	28.908	24.125
70	8.149	14.611	13.409	14.633	8.687
75	3.545	3.216	3.756	2.708	3.083
80	2.430	3.086	2.252	2.274	1.713
85	3.018	1.149	2.135	2.256	1.577
90	1.497	0.999	1.456	0.411	1.986

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Zone	Lumens	%Lamp	%Fixt
0-20	1003.16	N.A.	44.90
0-30	1697.95	N.A.	76.00
0-40	2071.91	N.A.	92.70
0-60	2204.42	N.A.	98.60
0-80	2233.45	N.A.	99.90
0-90	2235.49	N.A.	100.00
10-90	1940.14	N.A.	86.80
20-40	1068.76	N.A.	47.80
20-50	1166.77	N.A.	52.20
40-70	155.83	N.A.	7.00
60-80	29.03	N.A.	1.30
70-80	5.70	N.A.	0.30
80-90	2.04	N.A.	0.10
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	2235.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	295.36
10-20	707.80
20-30	694.79
30-40	373.96
40-50	98.01
50-60	34.49
60-70	23.33
70-80	5.70
80-90	2.04
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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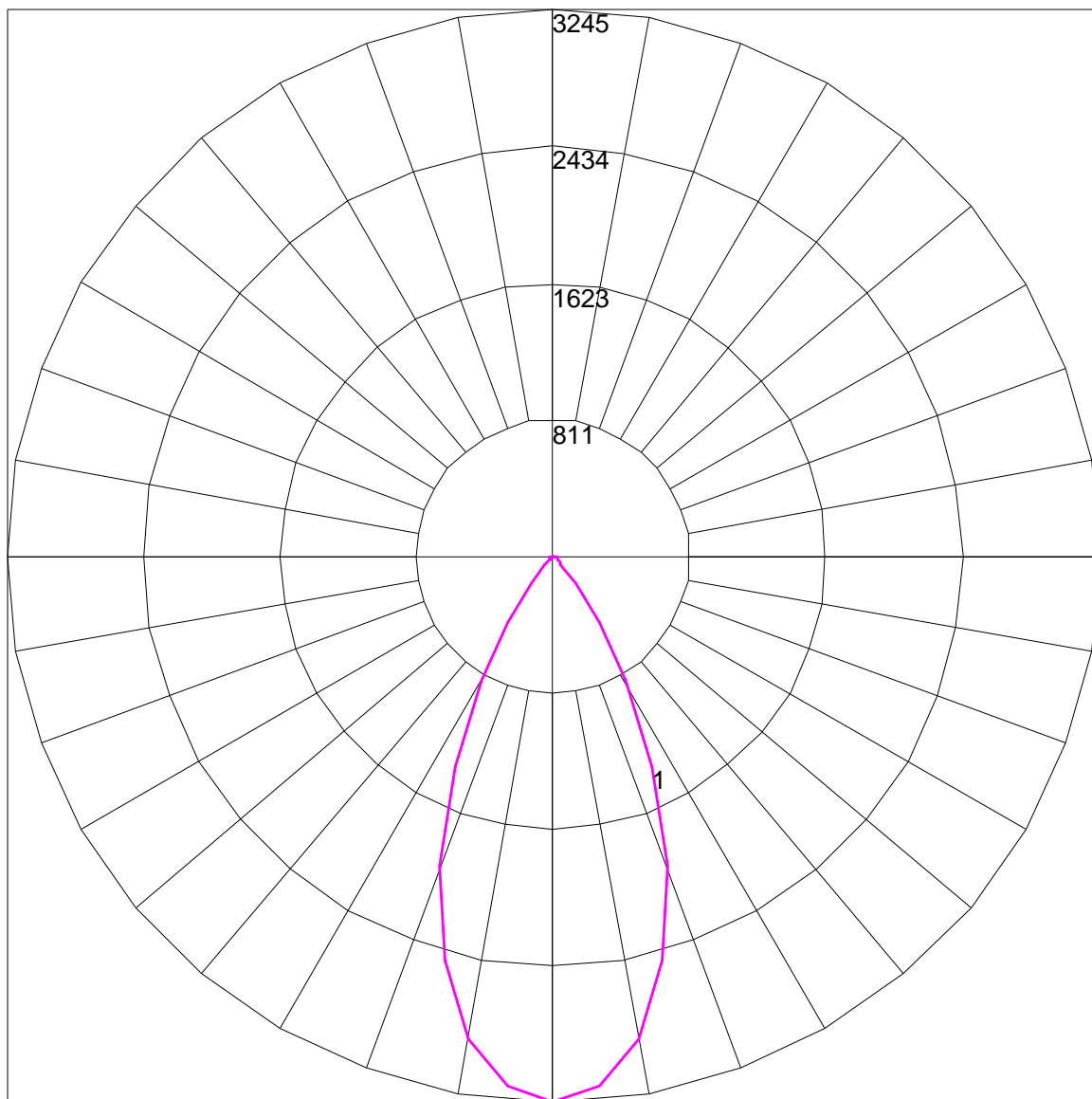
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82
4	98	91	85	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	76	72	69	68
7	85	76	70	66	84	75	70	66	74	69	66	73	69	65	72	68	65	64
8	81	72	66	62	80	71	66	62	70	65	62	69	65	62	68	64	61	60
9	78	68	63	59	76	68	62	59	67	62	59	66	62	58	65	61	58	57
10	74	65	59	56	73	65	59	56	64	59	55	63	58	55	62	58	55	54

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POLAR GRAPH



Maximum Candela = 3245.216 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)