

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00547_12 ~ SS4MX-XT30LE1-SDD4X-XXK-XWMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00547.12_M-30L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 3/21/2017
 [UPDATE] 4/21/2017
 [LUMCAT] SS4MRx-XT30L-E1-SDD4x-xxK-XW-MW-NL
 [LUMINAIRE] Nom. 4" Square Downlight , Deep profile, Xtra Wide Beam
 [OTHER] Matte White Trim, No lens
 [OTHER] 54.8 Degree Beam Angle
 [LAMP] N/A
 [LAMPCAT] N/A, Min. 83 CRI
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] For New Construction Non-IC Housing: SS4MO-XT-series
 [OTHER] For Remodel/Retrofit Housing: SS4MR-XT-Series
 [OTHER] For SDD4F or SDD4N Downlight Trim
 [OTHER] LEDXT lumen output is the same for all available CCT's
 [OTHER] This report prepared by Spectrum Lighting, scaled from 40L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2391
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	69
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.90
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.20 ft
Luminous Width (90-270)	0.20 ft
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00547_12 ~ SS4MX-XT30LE1-SDD4X-XXK-XWMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	30644	35887	32049
55	8132	12544	9222
65	6932	3611	7372
75	4191	2991	2953
85	5117	3739	2675

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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	2935.145	2935.145	2935.145	2935.145	2935.145
5	2907.960	2906.571	2900.312	2900.031	2883.397
10	2773.756	2785.547	2768.139	2763.577	2743.232
15	2559.053	2590.380	2579.730	2578.210	2524.263
20	2220.191	2289.956	2317.612	2265.194	2204.252
25	1769.998	1866.782	1951.090	1867.654	1752.493
30	1134.608	1302.845	1462.621	1283.734	1132.003
35	514.968	665.917	861.824	630.028	531.415
40	193.099	240.088	334.343	227.352	199.238
45	78.994	88.572	92.510	88.549	82.617
50	34.972	41.577	44.950	41.241	36.428
55	17.004	22.774	26.229	20.887	19.284
60	11.199	13.742	12.632	13.679	13.086
65	10.680	9.924	5.563	10.214	11.358
70	9.643	10.181	4.148	11.287	10.453
75	3.954	3.631	2.822	5.687	2.786
80	1.385	1.987	1.035	1.200	1.364
85	1.626	1.648	1.188	1.421	0.850
90	1.340	0.584	1.357	1.001	1.487

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Zone	Lumens	%Lamp	%Fixt
0-20	988.63	N.A.	41.30
0-30	1821.66	N.A.	76.20
0-40	2264.59	N.A.	94.70
0-60	2374.75	N.A.	99.30
0-80	2389.49	N.A.	99.90
0-90	2390.92	N.A.	100.00
10-90	2118.33	N.A.	88.60
20-40	1275.97	N.A.	53.40
20-50	1364.34	N.A.	57.10
40-70	120.14	N.A.	5.00
60-80	14.74	N.A.	0.60
70-80	4.76	N.A.	0.20
80-90	1.43	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	2390.92	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	272.58
10-20	716.04
20-30	833.03
30-40	442.94
40-50	88.38
50-60	21.77
60-70	9.99
70-80	4.76
80-90	1.43
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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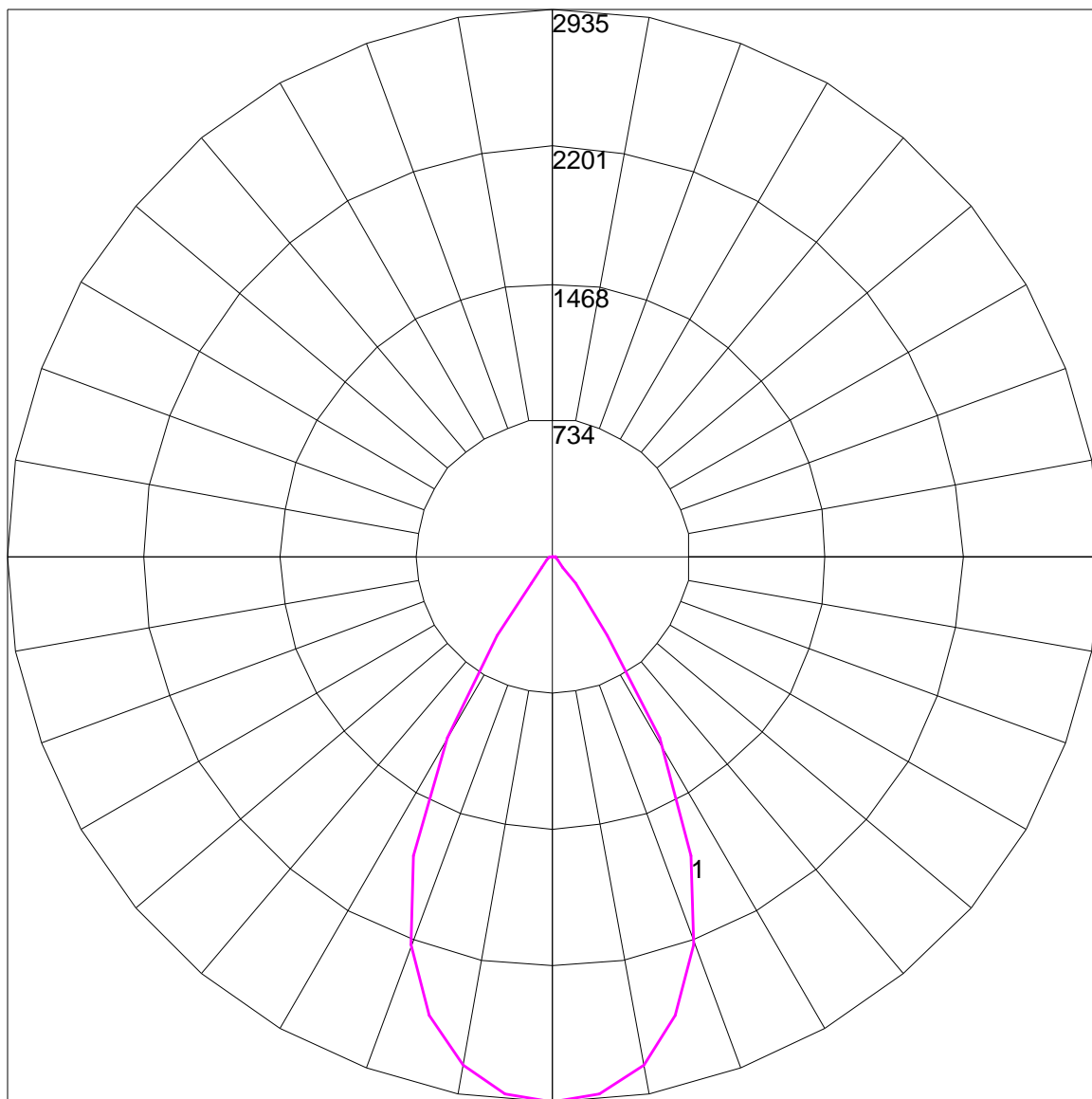
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	104	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	87	83	80	85	82	79	84	81	78	77
5	93	85	80	75	92	84	79	75	83	78	74	81	77	74	79	76	73	72
6	89	80	74	70	87	79	74	70	78	73	70	77	72	69	75	72	69	67
7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	71	68	65	63
8	81	71	66	62	80	71	65	62	70	65	61	69	64	61	68	64	61	60
9	77	68	62	58	76	67	62	58	66	61	58	65	61	58	65	60	57	56
10	74	64	59	55	73	64	58	55	63	58	55	62	58	54	61	57	54	53

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POLAR GRAPH



Maximum Candela = 2935.145 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)