

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_33 ~ SS3DMX-XT30LE1-SDD3X-XXK-WDMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_33_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-NL
 [LUMINAIRE] Nominal 3" Square Downlight, Deep profile, Wide Beam
 [OTHER] Matte White Trim, no lens
 [OTHER] 48.2 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	2383
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)	0.78
Spacing Criterion (90-270)	0.78
Spacing Criterion (Diagonal)	0.86
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.31 ft
Luminous Width (90-270)	0.31 ft
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_33 ~ SS3DMX-XT30LE1-SDD3X-XXK-WDMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6697	24348	6697
55	4570	3946	4570
65	5336	2526	5336
75	959	1417	959
85	2422	3664	2422

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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	3244.028	3244.028	3244.028	3244.028	3244.028
5	3201.593	3235.425	3246.454	3235.425	3201.593
10	3011.517	3084.896	3112.916	3084.896	3011.517
15	2620.591	2751.890	2831.283	2751.890	2620.591
20	2095.176	2260.560	2380.551	2260.560	2095.176
25	1479.852	1695.265	1872.761	1695.265	1479.852
30	900.993	1104.629	1364.088	1104.629	900.993
35	507.897	612.889	857.729	612.889	507.897
40	172.686	303.405	433.437	303.405	172.686
45	43.005	66.139	156.346	66.139	43.005
50	26.450	27.345	46.209	27.345	26.450
55	23.806	22.644	20.553	22.644	23.806
60	21.555	21.227	10.915	21.227	21.555
65	20.477	19.595	9.694	19.595	20.477
70	6.346	12.582	8.460	12.582	6.346
75	2.253	3.726	3.330	3.726	2.253
80	1.992	1.688	2.087	1.688	1.992
85	1.917	1.528	2.900	1.528	1.917
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1058.76	N.A.	44.40
0-30	1826.37	N.A.	76.60
0-40	2245.17	N.A.	94.20
0-60	2361.16	N.A.	99.10
0-80	2381.68	N.A.	99.90
0-90	2383.26	N.A.	100.00
10-90	2080.38	N.A.	87.30
20-40	1186.41	N.A.	49.80
20-50	1281.09	N.A.	53.80
40-70	131.68	N.A.	5.50
60-80	20.52	N.A.	0.90
70-80	4.83	N.A.	0.20
80-90	1.58	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	2383.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	302.88
10-20	755.88
20-30	767.60
30-40	418.80
40-50	94.68
50-60	21.31
60-70	15.69
70-80	4.83
80-90	1.58
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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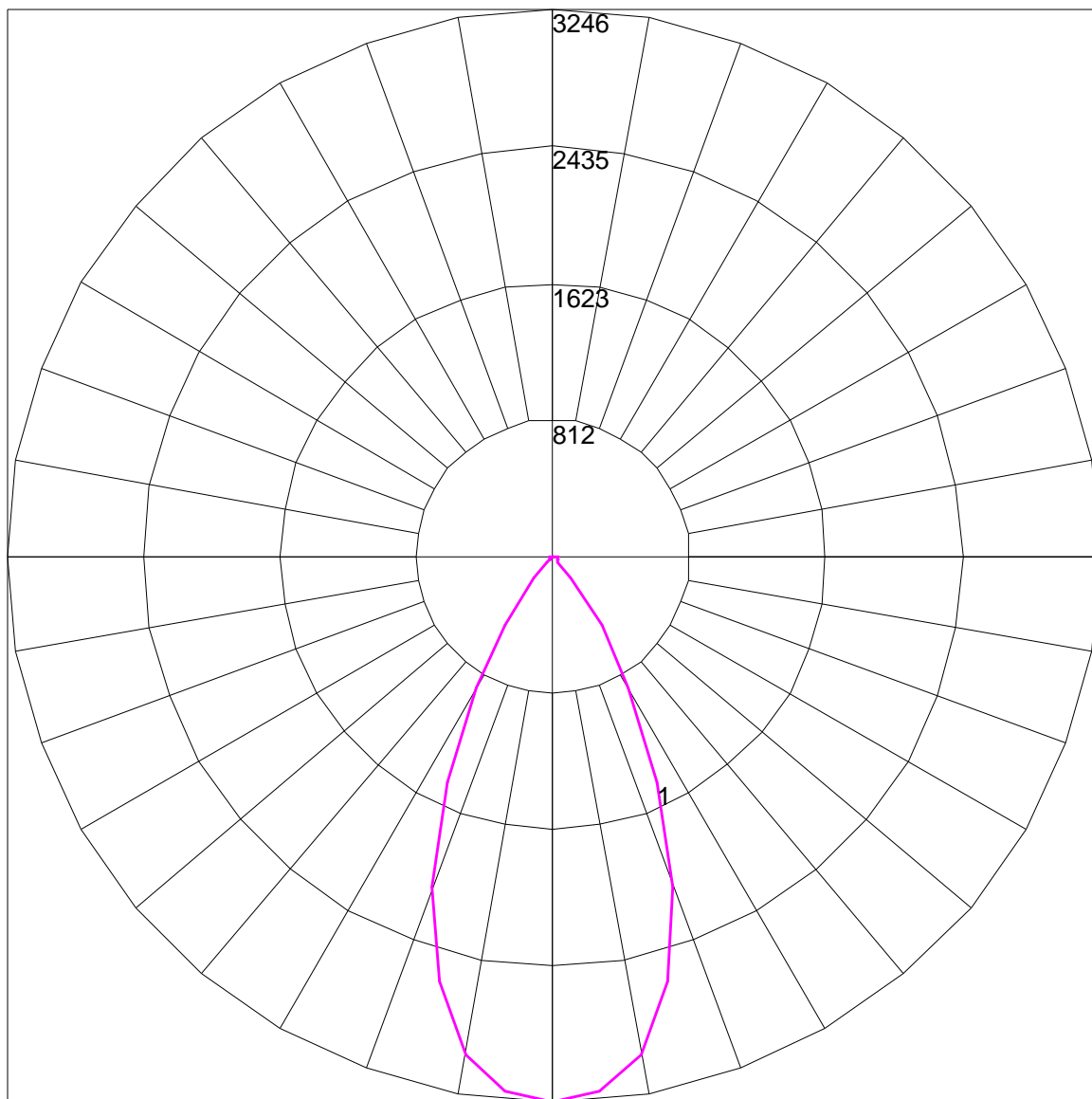
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	96	91	88	93	89	86	91	88	85	88	86	84	82
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	78	77
5	94	86	80	76	92	85	80	76	83	78	75	81	77	74	80	76	74	72
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64
8	81	72	67	63	80	72	66	63	71	66	62	70	65	62	69	65	62	60
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	65	61	58	57
10	74	65	60	56	73	65	59	56	64	59	56	63	59	56	62	58	55	54

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POLAR GRAPH



Maximum Candela = 3246.454 Located At Horizontal Angle = 45, Vertical Angle = 5
1 - Vertical Plane Through Horizontal Angles (0 - 180)