

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_35 ~ SS3DMX-XT20LE1-SDD3X-XXK-WDMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_35
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/17/2017
 [UPDATE] 5/1/2017
 [LUMCAT] SS3DMx-XT20L-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 New Construction IC Rated Housing: SS3DMI-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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1490
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	23.7
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_35 ~ SS3DMX-XT20LE1-SDD3X-XXK-WDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6495	14373	6487
55	3842	5528	4004
65	3909	4021	4191
75	1005	1065	874
85	2542	1798	1328

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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	2163.477	2163.477	2163.477	2163.477	2163.477
5	2104.247	2105.337	2107.189	2116.759	2113.359
10	1946.448	1961.937	1969.174	1982.075	1961.270
15	1659.605	1704.390	1728.114	1721.859	1674.100
20	1313.011	1387.445	1406.273	1394.873	1327.648
25	919.092	1020.708	1090.656	1022.188	922.193
30	568.284	661.146	775.046	658.594	563.664
35	321.965	376.552	466.848	365.997	320.612
40	138.023	192.318	231.028	190.333	128.636
45	41.706	59.448	92.291	50.343	41.658
50	29.869	37.380	39.981	33.959	31.173
55	20.010	24.737	28.792	24.589	20.857
60	17.808	19.789	17.208	19.191	16.360
65	15.001	21.829	15.432	19.272	16.083
70	5.433	9.741	8.939	9.755	5.791
75	2.363	2.144	2.504	1.805	2.055
80	1.620	2.057	1.501	1.516	1.142
85	2.012	0.766	1.423	1.504	1.051
90	0.998	0.666	0.971	0.274	1.324

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Zone	Lumens	%Lamp	%Fixt
0-20	668.77	N.A.	44.90
0-30	1131.97	N.A.	76.00
0-40	1381.28	N.A.	92.70
0-60	1469.61	N.A.	98.60
0-80	1488.97	N.A.	99.90
0-90	1490.33	N.A.	100.00
10-90	1293.42	N.A.	86.80
20-40	712.50	N.A.	47.80
20-50	777.84	N.A.	52.20
40-70	103.89	N.A.	7.00
60-80	19.35	N.A.	1.30
70-80	3.80	N.A.	0.30
80-90	1.36	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	1490.33	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	196.90
10-20	471.87
20-30	463.19
30-40	249.31
40-50	65.34
50-60	23.00
60-70	15.55
70-80	3.80
80-90	1.36
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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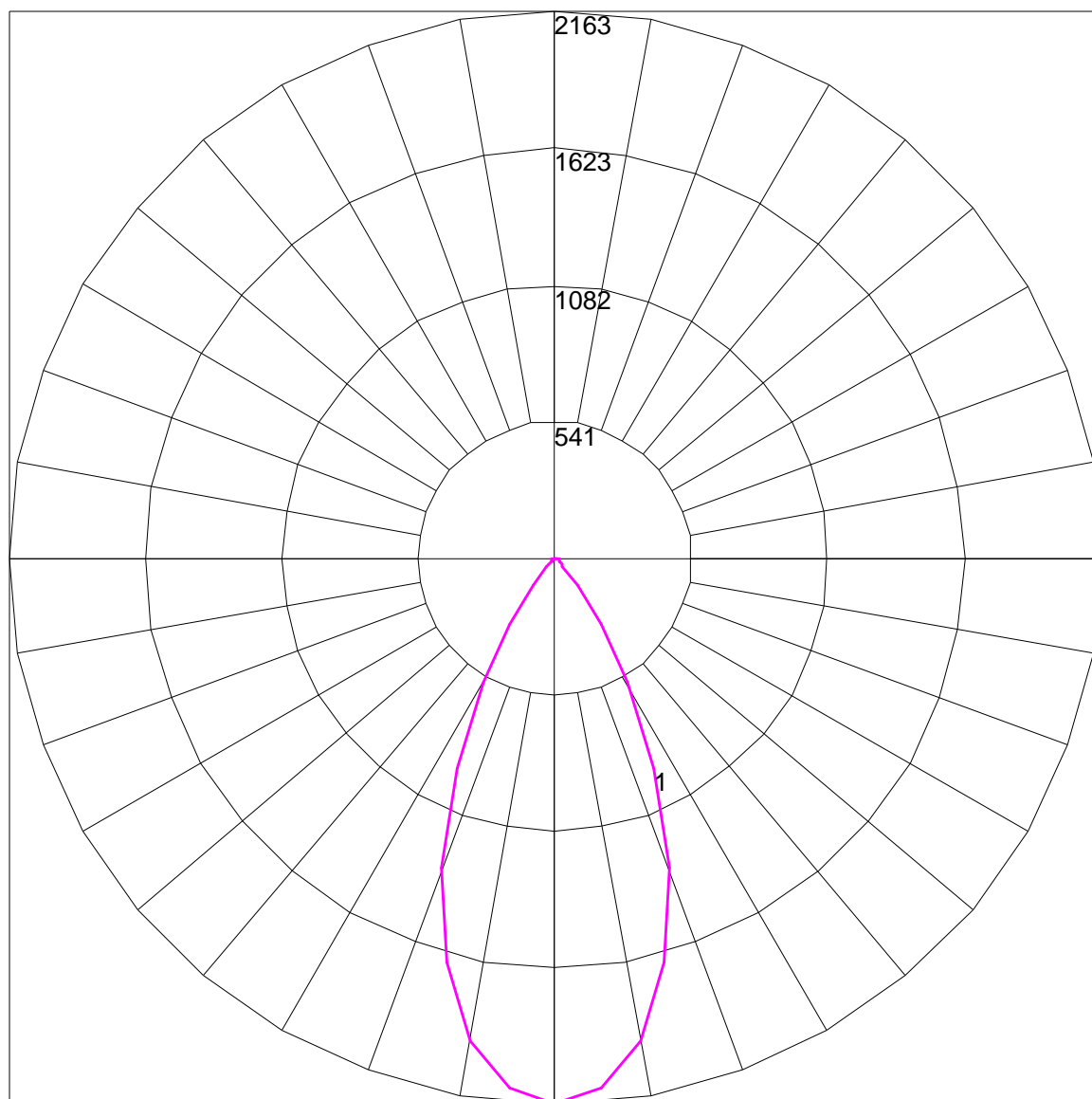
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 2163.477 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)