

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_34 ~ SS3DMX-XT20LE1-SDD3X-XXK-WDMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_34
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/17/2017
 [UPDATE] 5/1/2017
 [LUMCAT] SS3DMx-XT20L-E1-SDD3x-xxK-WD-MW-SO
 [LUMINAIRE] Nominal 3" Square Downlight, Deep profile, Wide Beam
 [OTHER] Matte White Trim, Solite lens
 [OTHER] 49.1 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	1332
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	56
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.66
Spacing Criterion (90-270)	0.66
Spacing Criterion (Diagonal)	0.78
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_34 ~ SS3DMX-XT20LE1-SDD3X-XXK-WDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6717	16749	6717
55	4730	6961	4730
65	2347	3834	2347
75	564	966	564
85	0	1770	0

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_34 ~ SS3DMX-XT20LE1-SDD3X-XXK-WDMWSO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2134.424	2134.424	2134.424	2134.424	2134.424
5	2027.557	2050.630	2081.421	2050.630	2027.557
10	1799.985	1849.466	1917.412	1849.466	1799.985
15	1482.060	1561.126	1666.249	1561.126	1482.060
20	1107.518	1219.433	1361.006	1219.433	1107.518
25	734.003	854.543	1033.717	854.543	734.003
30	433.873	534.824	714.385	534.824	433.873
35	221.401	293.080	432.705	293.080	221.401
40	92.691	135.033	225.411	135.033	92.691
45	43.133	60.294	107.548	60.294	43.133
50	31.751	36.814	56.838	36.814	31.751
55	24.636	30.385	36.259	30.385	24.636
60	19.981	22.779	24.216	22.779	19.981
65	9.008	13.562	14.716	13.562	9.008
70	1.665	3.273	5.796	3.273	1.665
75	1.326	2.004	2.271	2.004	1.326
80	1.206	1.492	1.535	1.492	1.206
85	0.000	0.000	1.401	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_34 ~ SS3DMX-XT20LE1-SDD3X-XXK-WDMWSO.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	623.09	N.A.	46.80
0-30	1023.09	N.A.	76.80
0-40	1226.67	N.A.	92.10
0-60	1316.00	N.A.	98.80
0-80	1330.95	N.A.	100.00
0-90	1331.53	N.A.	100.00
10-90	1141.72	N.A.	85.70
20-40	603.58	N.A.	45.30
20-50	665.26	N.A.	50.00
40-70	101.98	N.A.	7.70
60-80	14.95	N.A.	1.10
70-80	2.30	N.A.	0.20
80-90	0.58	N.A.	0.00
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	1331.53	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	189.81
10-20	433.28
20-30	400.00
30-40	203.58
40-50	61.68
50-60	27.65
60-70	12.65
70-80	2.30
80-90	0.58
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

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00545_34 ~ SS3DMX-XT20LE1-SDD3X-XXK-WDMWSO.IES

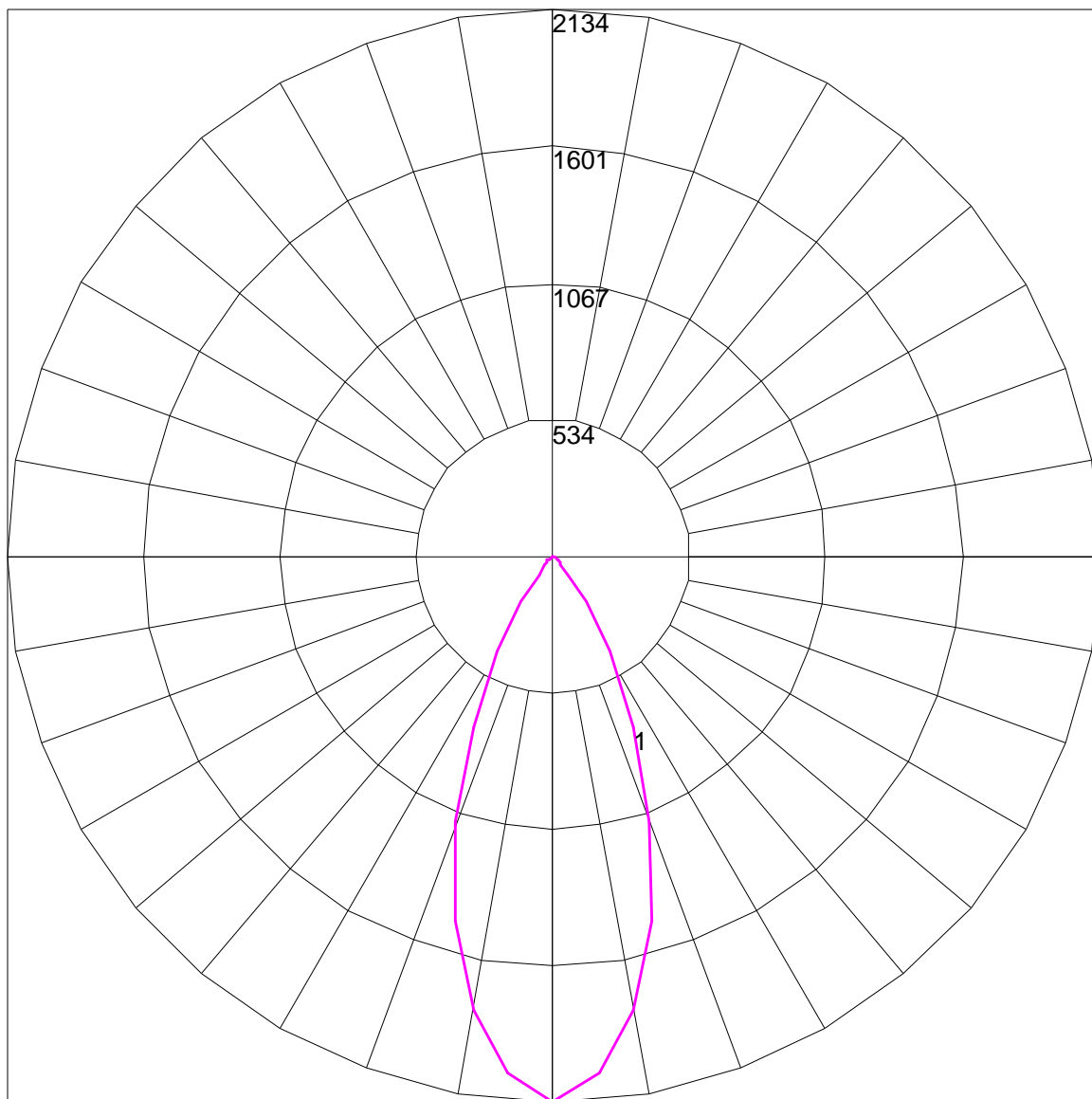
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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	79	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	77	71	67	84	76	70	67	75	70	66	73	69	66	72	69	66	64
8	82	73	67	63	80	72	67	63	71	66	63	70	66	62	69	65	62	61
9	78	69	63	60	77	68	63	59	68	63	59	67	62	59	66	62	59	58
10	75	66	60	57	74	65	60	56	64	60	56	64	59	56	63	59	56	55

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_34 ~ SS3DMX-XT20LE1-SDD3X-XXK-WDMWSO.IES

POLAR GRAPH



Maximum Candela = 2134.424 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)