

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_31 ~ SS3DMX-XT20LE1-SDD3X-XXK-MDMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_31
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/17/2017
 [UPDATE] 5/1/2017
 [LUMCAT] SS3DMx-XT20L-E1-SDD3x-xxK-MD-MW-SO
 [LUMINAIRE] Nominal 3" Square Downlight, Deep profile, Medium Beam
 [OTHER] Matte White Trim, Solite lens
 [OTHER] 41.6 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	1582
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.68
Spacing Criterion (90-270)	0.74
Spacing Criterion (Diagonal)	0.72
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_31 ~ SS3DMX-XT20LE1-SDD3X-XXK-MDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7774	11605	8380
55	3981	6223	4883
65	2075	2631	2750
75	723	907	871
85	1817	1898	1727

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_31 ~ SS3DMX-XT20LE1-SDD3X-XXK-MDMWSO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2725.736	2725.736	2725.736	2725.736	2725.736
5	2647.640	2666.180	2680.804	2697.185	2708.972
10	2376.077	2419.017	2447.259	2481.016	2501.047
15	1941.233	2013.907	2054.439	2102.094	2108.320
20	1433.634	1532.425	1584.755	1634.755	1633.987
25	900.450	1022.603	1107.860	1130.669	1093.693
30	440.672	554.063	675.689	648.404	573.740
35	173.295	233.235	339.324	290.272	224.393
40	77.993	96.632	148.495	117.036	90.242
45	49.921	55.585	74.520	62.109	53.813
50	34.737	36.883	49.218	42.141	38.381
55	20.734	25.586	32.412	29.324	25.434
60	14.171	16.700	18.228	18.394	15.656
65	7.965	8.813	10.097	11.025	10.555
70	2.382	5.301	5.117	5.930	5.236
75	1.699	1.566	2.132	1.413	2.048
80	1.430	1.627	1.590	1.721	1.736
85	1.438	1.452	1.502	1.477	1.367
90	0.000	0.000	0.000	0.197	1.795

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_31 ~ SS3DMX-XT20LE1-SDD3X-XXK-MDMWSO.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	813.06	N.A.	51.40
0-30	1299.71	N.A.	82.20
0-40	1489.51	N.A.	94.20
0-60	1567.4	N.A.	99.10
0-80	1580.37	N.A.	99.90
0-90	1581.68	N.A.	100.00
10-90	1333.64	N.A.	84.30
20-40	676.45	N.A.	42.80
20-50	729.06	N.A.	46.10
40-70	88.18	N.A.	5.60
60-80	12.96	N.A.	0.80
70-80	2.68	N.A.	0.20
80-90	1.31	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	1581.68	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	248.04
10-20	565.01
20-30	486.65
30-40	189.80
40-50	52.61
50-60	25.28
60-70	10.29
70-80	2.68
80-90	1.31
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_31 ~ SS3DMX-XT20LE1-SDD3X-XXK-MDMWSO.IES

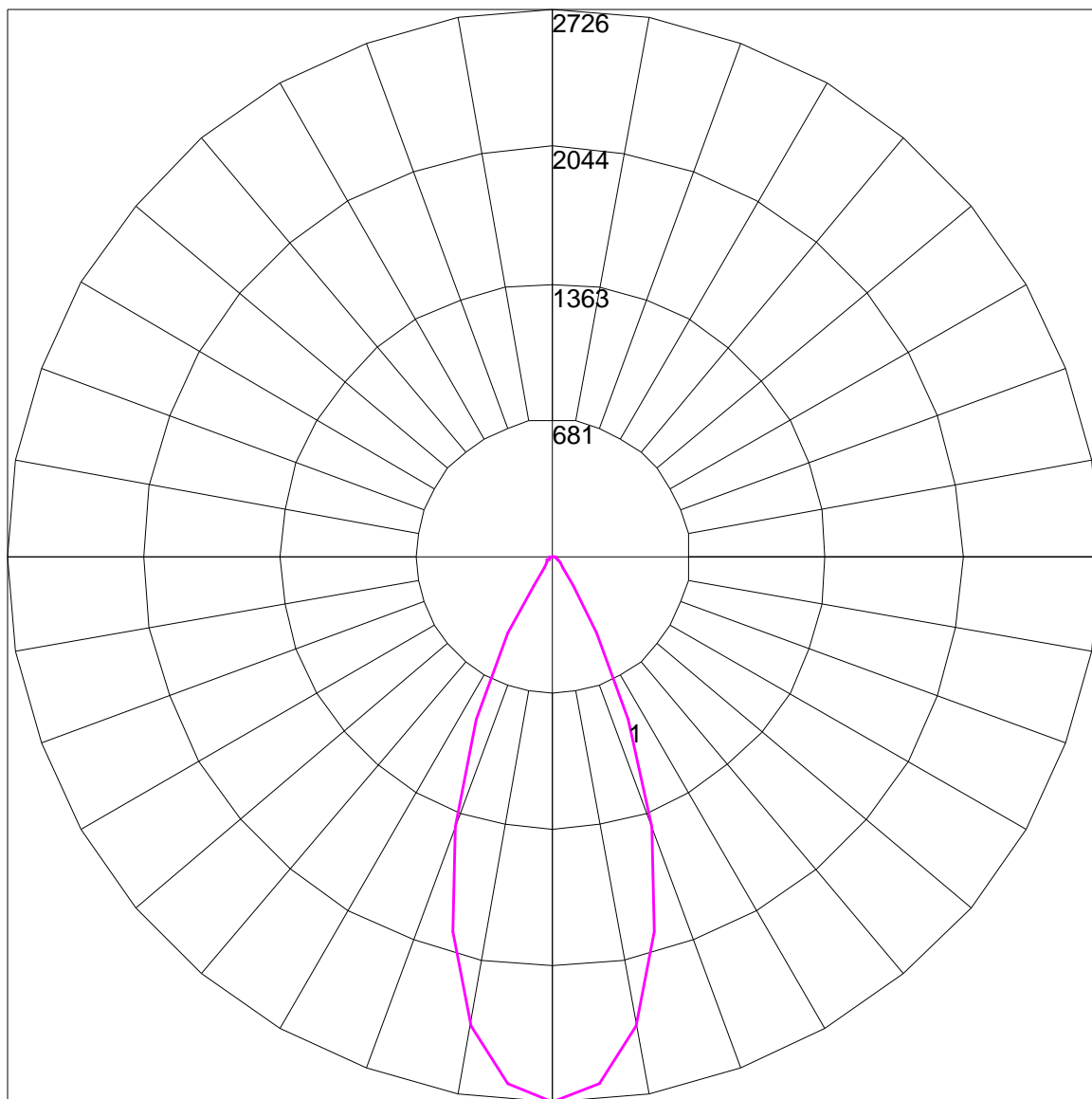
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	89	87	85	84
4	99	92	87	83	98	91	87	83	89	85	82	87	84	81	85	83	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74
6	91	83	77	73	89	82	77	73	81	76	73	79	75	72	78	74	72	70
7	87	79	73	69	86	78	73	69	77	72	69	76	71	68	74	71	68	67
8	83	75	69	66	82	74	69	65	73	69	65	72	68	65	71	68	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	62	60
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	65	62	59	58

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_31 ~ SS3DMX-XT20LE1-SDD3X-XXK-MDMWSO.IES

POLAR GRAPH



Maximum Candela = 2725.736 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)