

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_28 ~ SS3DMX-XT20LE1-SDD3X-XXK-NDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_28
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 2/17/2017
[UPDATE] 5/5/2017
[LUMCAT] SS3DMx-XT20L-E1-SDD3x-xxK-ND-MW-SO
[LUMINAIRE] Nom. 3" Square Downlight, Deep profile, Narrow Beam
[OTHER] Matte White Trim, Solite Lens
[OTHER] 27.8 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	1379
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	58
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.52
Spacing Criterion (90-270)	0.52
Spacing Criterion (Diagonal)	0.58
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_28 ~ SS3DMX-XT20LE1-SDD3X-XXK-NDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9578	15022	9578
55	8350	12349	8350
65	5400	6414	5400
75	953	2282	953
85	1706	2121	1706

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_28 ~ SS3DMX-XT20LE1-SDD3X-XXK-NDMWSO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	3085.899	3085.899	3085.899	3085.899	3085.899
5	2885.205	2940.321	2980.011	2940.321	2885.205
10	2295.860	2429.004	2488.683	2429.004	2295.860
15	1567.184	1689.217	1705.010	1689.217	1567.184
20	1039.601	1121.731	1119.978	1121.731	1039.601
25	651.226	759.788	795.120	759.788	651.226
30	338.903	462.637	552.949	462.637	338.903
35	153.920	233.383	328.526	233.383	153.920
40	80.221	113.613	168.276	113.613	80.221
45	61.505	74.102	96.461	74.102	61.505
50	50.421	60.292	78.559	60.292	50.421
55	43.493	49.911	64.320	49.911	43.493
60	30.341	36.569	44.461	36.569	30.341
65	20.725	25.619	24.617	25.619	20.725
70	8.912	14.078	12.093	14.078	8.912
75	2.241	2.895	5.364	2.895	2.241
80	1.703	1.506	2.322	1.506	1.703
85	1.350	1.385	1.679	1.385	1.350
90	0.000	0.114	0.334	0.114	0.000

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_28 ~ SS3DMX-XT20LE1-SDD3X-XXK-NDMWSO.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	732.65	N.A.	53.10
0-30	1077.19	N.A.	78.10
0-40	1238.47	N.A.	89.80
0-60	1348.13	N.A.	97.80
0-80	1377.67	N.A.	99.90
0-90	1378.98	N.A.	100.00
10-90	1115.7	N.A.	80.90
20-40	505.82	N.A.	36.70
20-50	570.08	N.A.	41.30
40-70	133.75	N.A.	9.70
60-80	29.54	N.A.	2.10
70-80	5.45	N.A.	0.40
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	1378.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	263.28
10-20	469.37
20-30	344.54
30-40	161.28
40-50	64.27
50-60	45.40
60-70	24.09
70-80	5.45
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_28 ~ SS3DMX-XT20LE1-SDD3X-XXK-NDMWSO.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

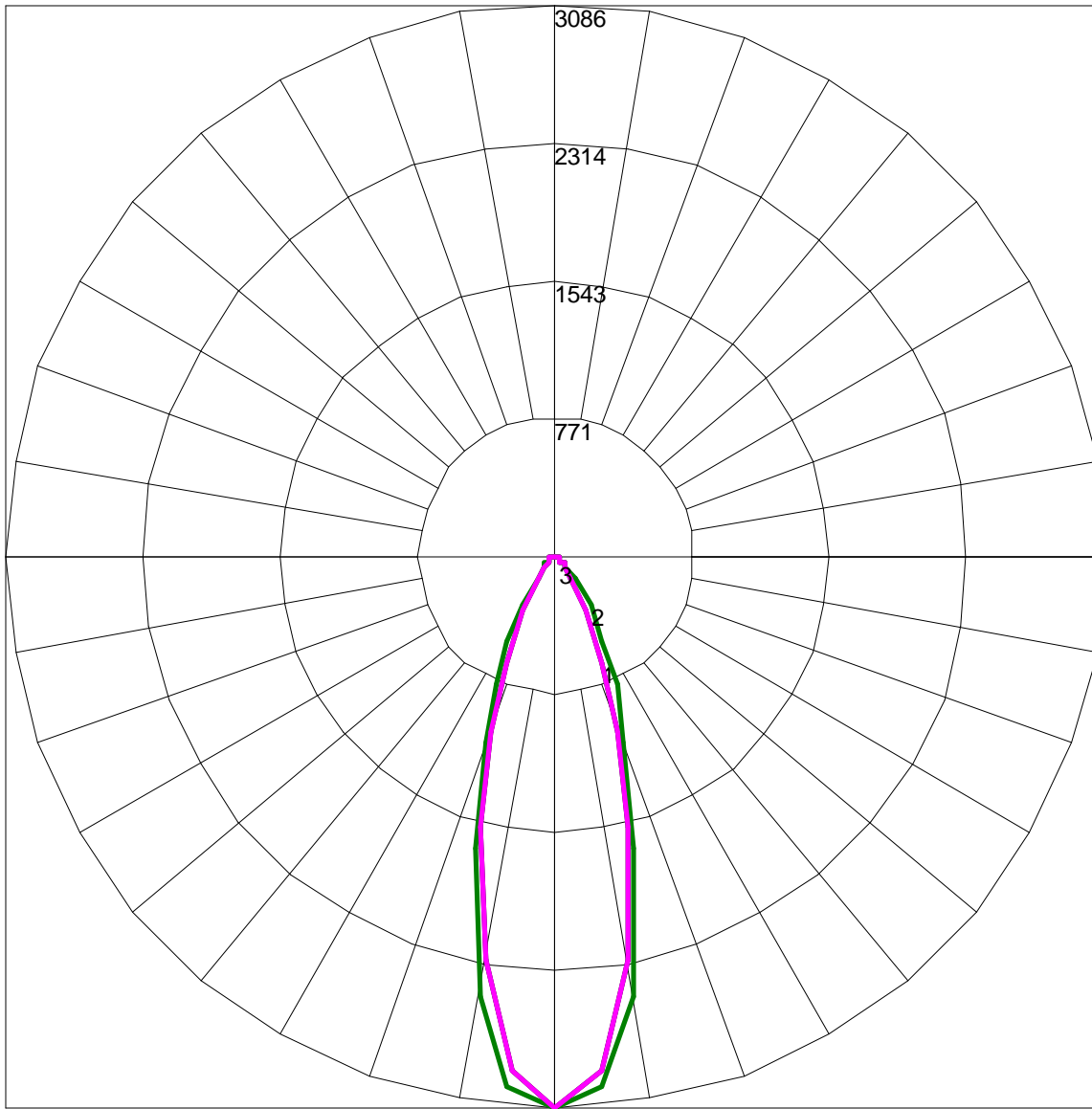
Effective Floor Cavity Reflectance 0.20

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	102	101	100	99	98	97	96	94
2	108	104	100	97	106	102	99	96	99	96	93	96	94	91	93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83
4	99	92	86	82	97	90	86	82	88	84	81	86	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	79	76	82	78	75	81	77	75	73
6	90	82	76	73	89	81	76	72	80	75	72	78	74	71	77	74	71	69
7	86	78	72	69	85	77	72	68	76	71	68	75	71	68	74	70	67	66
8	83	74	69	65	82	74	69	65	73	68	65	72	67	64	71	67	64	63
9	80	71	66	62	79	70	65	62	70	65	62	69	64	61	68	64	61	60
10	77	68	63	59	76	67	62	59	67	62	59	66	62	59	65	61	59	57

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00545_28 ~ SS3DMX-XT20LE1-SDD3X-XXK-NDMWSO.IES

POLAR GRAPH



Maximum Candela = 3085.899 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (45 - 225)

3 - Vertical Plane Through Horizontal Angles (90 - 270)