

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_29 ~ SS3DMX-XT20LE1-SDD3X-XXK-NDMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_29
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 2/17/2017
 [UPDATE] 5/1/2017
 [LUMCAT] SS3DMx-XT20L-E1-SDD3x-xxK-ND-MW-GL
 [LUMINAIRE] Nominal 3" Square Downlight, Deep profile, Narrow Beam
 [OTHER] Matte White Trim, clear glass lens
 [OTHER] 26.6 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	1005
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	42
Total Luminaire Watts	23.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.36
Spacing Criterion (90-270)	0.36
Spacing Criterion (Diagonal)	0.50
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.31 ft
Luminous Width (90-270)	0.31 ft
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8063	11052	8063
55	6747	11733	6747
65	2296	3894	2296
75	661	1605	661
85	1515	2176	1515

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_29 ~ SS3DMX-XT20LE1-SDD3X-XXK-NDMWGL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	3172.887	3172.887	3172.887	3172.887	3172.887
5	2742.145	2826.620	2953.647	2826.620	2742.145
10	1684.134	1811.726	2018.479	1811.726	1684.134
15	1150.215	1209.596	1274.989	1209.596	1150.215
20	711.097	826.753	894.600	826.753	711.097
25	368.844	504.131	640.997	504.131	368.844
30	136.368	227.566	403.699	227.566	136.368
35	70.221	81.102	191.512	81.102	70.221
40	55.891	60.987	82.292	60.987	55.891
45	51.776	58.368	70.967	58.368	51.776
50	33.271	46.484	70.688	46.484	33.271
55	35.141	41.701	61.114	41.701	35.141
60	28.806	34.809	47.500	34.809	28.806
65	8.810	14.767	14.943	14.767	8.810
70	2.525	4.005	4.503	4.005	2.525
75	1.553	1.899	3.773	1.899	1.553
80	1.504	1.120	3.286	1.120	1.504
85	1.199	0.956	1.722	0.956	1.199
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	586.31	N.A.	58.30
0-30	820.02	N.A.	81.60
0-40	900.80	N.A.	89.60
0-60	985.26	N.A.	98.00
0-80	1004.35	N.A.	99.90
0-90	1005.49	N.A.	100.00
10-90	766.62	N.A.	76.20
20-40	314.49	N.A.	31.30
20-50	359.66	N.A.	35.80
40-70	100.89	N.A.	10.00
60-80	19.09	N.A.	1.90
70-80	2.66	N.A.	0.30
80-90	1.14	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	1005.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	238.87
10-20	347.45
20-30	233.71
30-40	80.78
40-50	45.17
50-60	39.28
60-70	16.43
70-80	2.66
80-90	1.14
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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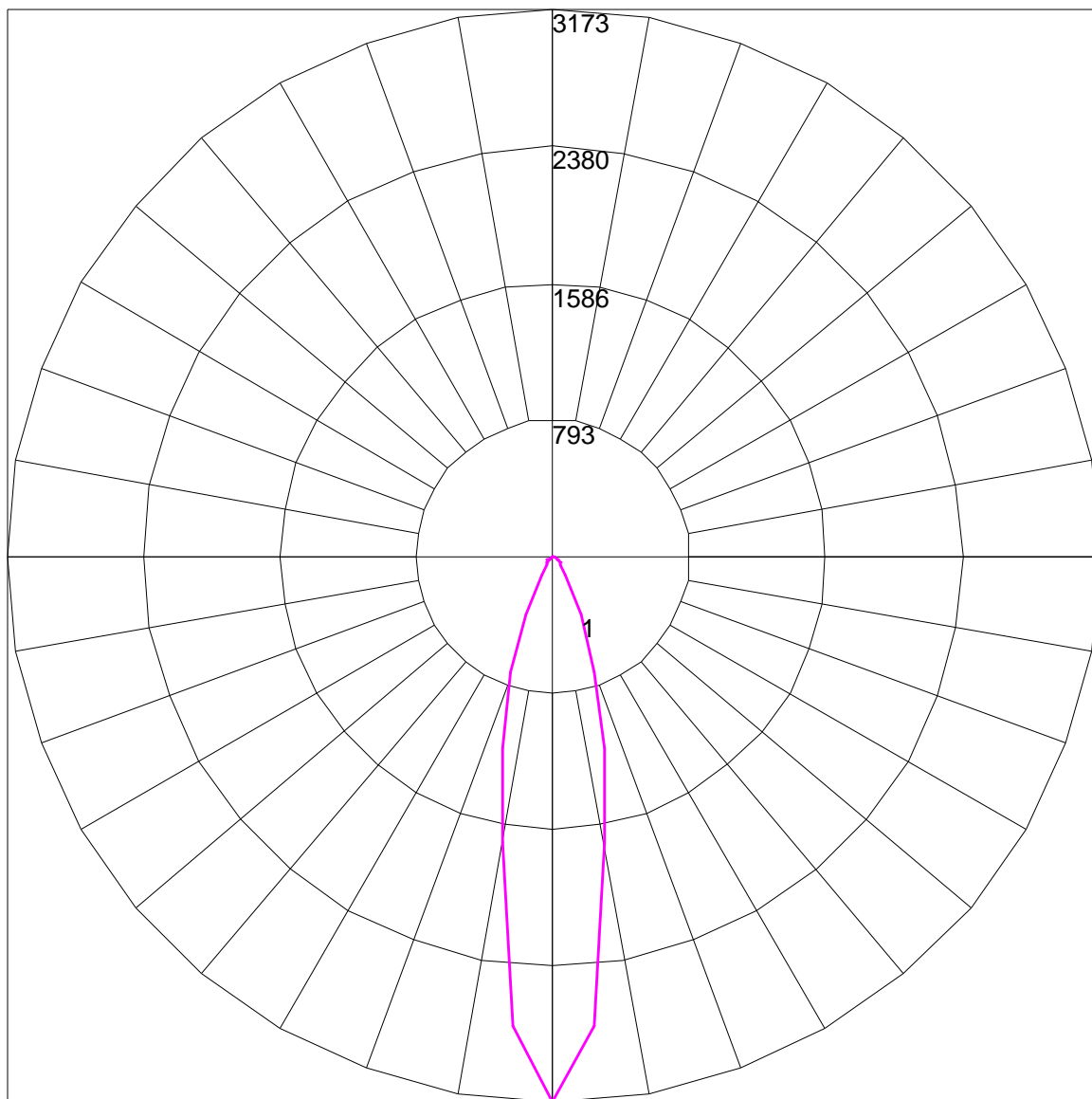
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	107	112	109	107	105	105	104	102	102	100	99	98	97	96	94
2	109	104	101	98	107	103	99	96	100	97	94	97	94	92	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69
8	85	77	71	68	84	76	71	68	75	71	67	74	70	67	73	70	67	66
9	82	74	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63
10	79	71	66	62	78	70	65	62	70	65	62	69	65	62	68	64	62	61

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POLAR GRAPH



Maximum Candela = 3172.887 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)