

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_26 ~ SS3DMX-XT20LE1-SDD3X-XXK-XNMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_26
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/17/2017
 [UPDATE] 5/1/2017
 [LUMCAT] SS3DMx-XT20L-E1-SDD3x-xxK-XN-MW-GL
 [LUMINAIRE] Nom. 3" Square Downlight, Deep profile, Xtra Narrow Beam
 [OTHER] Matte White Trim, Clear Glass Lens
 [OTHER] 12 Degree Beam Angle
 [LAMP] N/A, 9mm LES
 [LAMPCAT] N/A, Min. 83 CRI
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] For New Construction Non-IC Housing: SS3DMO-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	1201
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	32
Total Luminaire Watts	37.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.22
Spacing Criterion (90-270)	0.24
Spacing Criterion (Diagonal)	0.24
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	2640	3799	2490
55	2728	4932	2389
65	1644	1437	1149
75	411	701	522
85	0	0	0

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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	12075.300	12075.300	12075.300	12075.300	12075.300
5	7604.342	7740.798	7879.727	7893.664	7863.810
10	1859.851	1828.939	1815.403	1864.629	1900.563
15	801.835	794.264	781.393	790.431	809.517
20	649.162	647.263	629.307	629.646	640.834
25	498.996	561.255	578.982	544.767	493.793
30	130.767	239.398	521.975	228.879	124.335
35	38.920	40.713	249.500	45.292	41.577
40	27.307	26.163	34.319	30.314	28.019
45	16.952	17.125	24.396	20.523	15.991
50	11.247	12.499	21.355	10.976	8.609
55	14.207	11.514	25.690	14.166	12.443
60	13.408	15.084	20.913	16.549	12.460
65	6.308	4.797	5.514	5.078	4.411
70	2.430	1.870	2.447	2.361	2.031
75	0.967	1.519	1.648	1.176	1.226
80	1.027	1.025	1.128	1.548	1.277
85	0.000	0.000	0.000	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	857.82	N.A.	71.40
0-30	1086.29	N.A.	90.50
0-40	1161.89	N.A.	96.80
0-60	1191.76	N.A.	99.20
0-80	1200.5	N.A.	100.00
0-90	1200.83	N.A.	100.00
10-90	617.54	N.A.	51.40
20-40	304.07	N.A.	25.30
20-50	319.92	N.A.	26.60
40-70	36.98	N.A.	3.10
60-80	8.74	N.A.	0.70
70-80	1.63	N.A.	0.10
80-90	0.33	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	1200.83	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	583.29
10-20	274.53
20-30	228.47
30-40	75.60
40-50	15.85
50-60	14.02
60-70	7.12
70-80	1.63
80-90	0.33
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

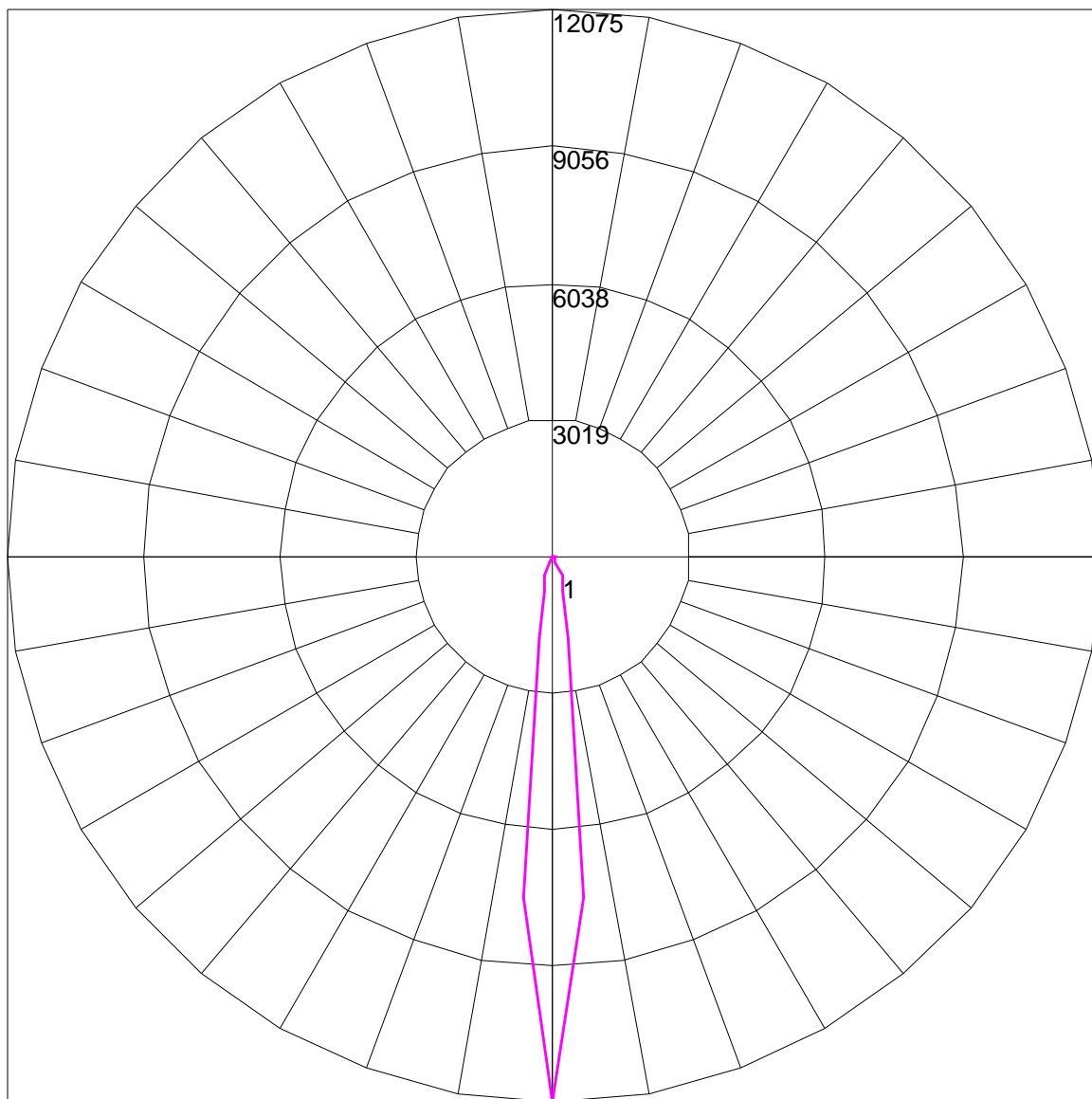
Effective Floor Cavity Reflectance 0.20

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	115	113	111	109	113	111	109	108	107	105	104	103	102	101	100	99	98	97
2	111	108	105	102	109	106	103	101	103	101	99	100	98	97	97	96	95	93
3	108	103	99	96	106	102	98	96	99	96	94	97	95	93	95	93	91	90
4	104	99	95	92	103	98	94	91	96	93	90	94	91	89	92	90	88	87
5	101	95	91	88	100	95	91	88	93	90	87	91	89	86	90	88	86	85
6	98	92	88	85	97	92	88	85	90	87	84	89	86	84	88	85	83	82
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80
8	93	87	83	80	92	86	83	80	86	82	80	85	82	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	76
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	75	75

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POLAR GRAPH



Maximum Candela = 12075.3 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)