

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_46 ~ SR3DMX-XT13LE1-RDD3X-XXK-WDMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_46_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/15/2017
 [UPDATE] 4/27/2017
 [LUMCAT] SR3DMx-XT13L-E1-RDD3x-xxK-WD-MW-SO
 [LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Wide Beam
 [OTHER] Matte White Trim, Solite Lens
 [OTHER] 54 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: SR3DMO-XT-series
 [OTHER] For New Construction IC Rated Housing: SR3DMI-XT-Series
 [OTHER] For Remodel/Retrofit Housing: SR3DMR-XT-Series
 [OTHER] For RDD3F or RDD3N Downlight Trim
 [OTHER] LEDXT lumen output is the same for all available CCT's
 [OTHER] This report prepared by Spectrum Lighting, scaled from 20L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1200
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	15
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.82
Spacing Criterion (90-270)	0.82
Spacing Criterion (Diagonal)	0.86
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.29 ft (Diameter)
Luminous Height	0.00 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8116	11240	8116
55	7047	7642	7047
65	6835	7159	6835
75	2776	3738	2776
85	2311	3926	2311

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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	1520.410	1520.410	1520.410	1520.410	1520.410
5	1472.477	1488.174	1501.243	1488.174	1472.477
10	1377.666	1403.186	1424.504	1403.186	1377.666
15	1236.829	1273.828	1305.538	1273.828	1236.829
20	1050.043	1098.839	1136.708	1098.839	1050.043
25	821.697	879.784	927.935	879.784	821.697
30	548.532	617.621	669.363	617.621	548.532
35	270.736	332.414	373.101	332.414	270.736
40	98.068	131.650	157.764	131.650	98.068
45	35.735	42.393	49.494	42.393	35.735
50	28.818	30.750	32.095	30.750	28.818
55	25.169	25.694	27.297	25.694	25.169
60	21.826	23.633	24.292	23.633	21.826
65	17.988	18.135	18.840	18.135	17.988
70	8.601	11.665	12.466	11.665	8.601
75	4.474	5.528	6.025	5.528	4.474
80	2.256	2.905	3.518	2.905	2.256
85	1.254	1.487	2.131	1.487	1.254
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	493.20	N.A.	41.10
0-30	888.80	N.A.	74.10
0-40	1103.53	N.A.	92.00
0-60	1173.9	N.A.	97.90
0-80	1197.98	N.A.	99.90
0-90	1199.64	N.A.	100.00
10-90	1060.31	N.A.	88.40
20-40	610.34	N.A.	50.90
20-50	657.01	N.A.	54.80
40-70	87.93	N.A.	7.30
60-80	24.08	N.A.	2.00
70-80	6.53	N.A.	0.50
80-90	1.65	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	1199.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	139.33
10-20	353.86
20-30	395.61
30-40	214.73
40-50	46.67
50-60	23.70
60-70	17.56
70-80	6.53
80-90	1.65
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

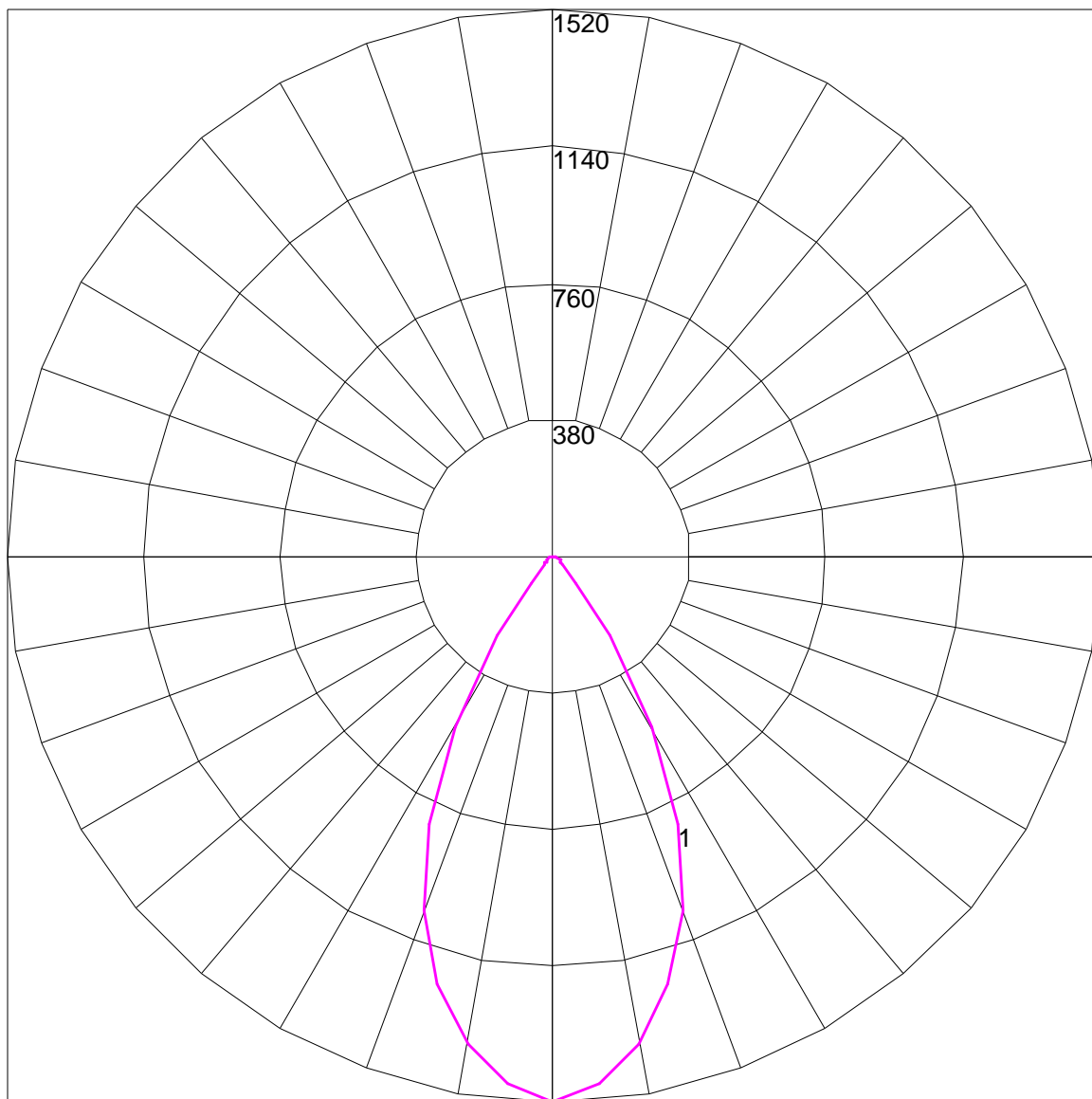
Effective Floor Cavity Reflectance 0.20

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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	87	100	95	90	86	92	88	85	89	86	84	87	85	82	81
4	97	90	84	80	95	89	83	80	86	82	79	84	81	78	83	79	77	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66
7	84	75	69	65	82	74	68	64	73	68	64	71	67	64	70	66	63	62
8	80	70	65	61	79	70	64	60	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57	64	60	56	64	59	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52

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POLAR GRAPH



Maximum Candela = 1520.41 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)