

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_36 ~ SR3DMX-XT13LE1-RDD3X-XXK-XNMWNL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_36_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 2/15/2017
 [UPDATE] 4/25/2017
 [LUMCAT] SR3DMx-XT13L-E1-RDD3x-xxK-XN-MW-NL
 [LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Xtra Narrow Beam
 [OTHER] Matte White Trim, No Lens
 [OTHER] 11.5 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: SR3DMO-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	1269
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	20.4
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	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	3824	3715	3160
55	4421	4003	4114
65	4833	5414	4403
75	5360	4279	4524
85	12713	10561	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	12641.531	12641.531	12641.531	12641.531	12641.531
5	7454.135	8211.853	8082.724	8006.693	8179.366
10	1644.691	2339.985	1986.074	2361.319	2202.592
15	688.476	804.511	720.607	724.646	706.304
20	577.988	625.612	578.436	555.230	549.218
25	518.985	556.058	521.279	488.749	491.473
30	393.500	405.778	360.175	372.763	338.478
35	110.501	152.847	126.608	118.134	120.123
40	17.237	25.438	19.625	20.008	17.711
45	16.836	19.070	16.359	14.022	13.916
50	15.229	17.924	15.475	12.947	14.321
55	15.792	15.985	14.299	12.705	14.693
60	13.032	15.505	14.243	12.009	15.124
65	12.718	12.075	14.247	10.101	11.588
70	9.021	9.929	10.284	9.658	10.609
75	8.638	9.191	6.897	7.933	7.292
80	6.605	5.781	5.302	5.996	6.582
85	6.900	6.187	5.732	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	891.35	N.A.	70.20
0-30	1119.71	N.A.	88.20
0-40	1218.82	N.A.	96.00
0-60	1245.09	N.A.	98.10
0-80	1265.43	N.A.	99.70
0-90	1269.13	N.A.	100.00
10-90	657.76	N.A.	51.80
20-40	327.47	N.A.	25.80
20-50	340.65	N.A.	26.80
40-70	38.20	N.A.	3.00
60-80	20.34	N.A.	1.60
70-80	8.41	N.A.	0.70
80-90	3.70	N.A.	0.30
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	1269.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	611.37
10-20	279.99
20-30	228.35
30-40	99.11
40-50	13.18
50-60	13.08
60-70	11.93
70-80	8.41
80-90	3.70
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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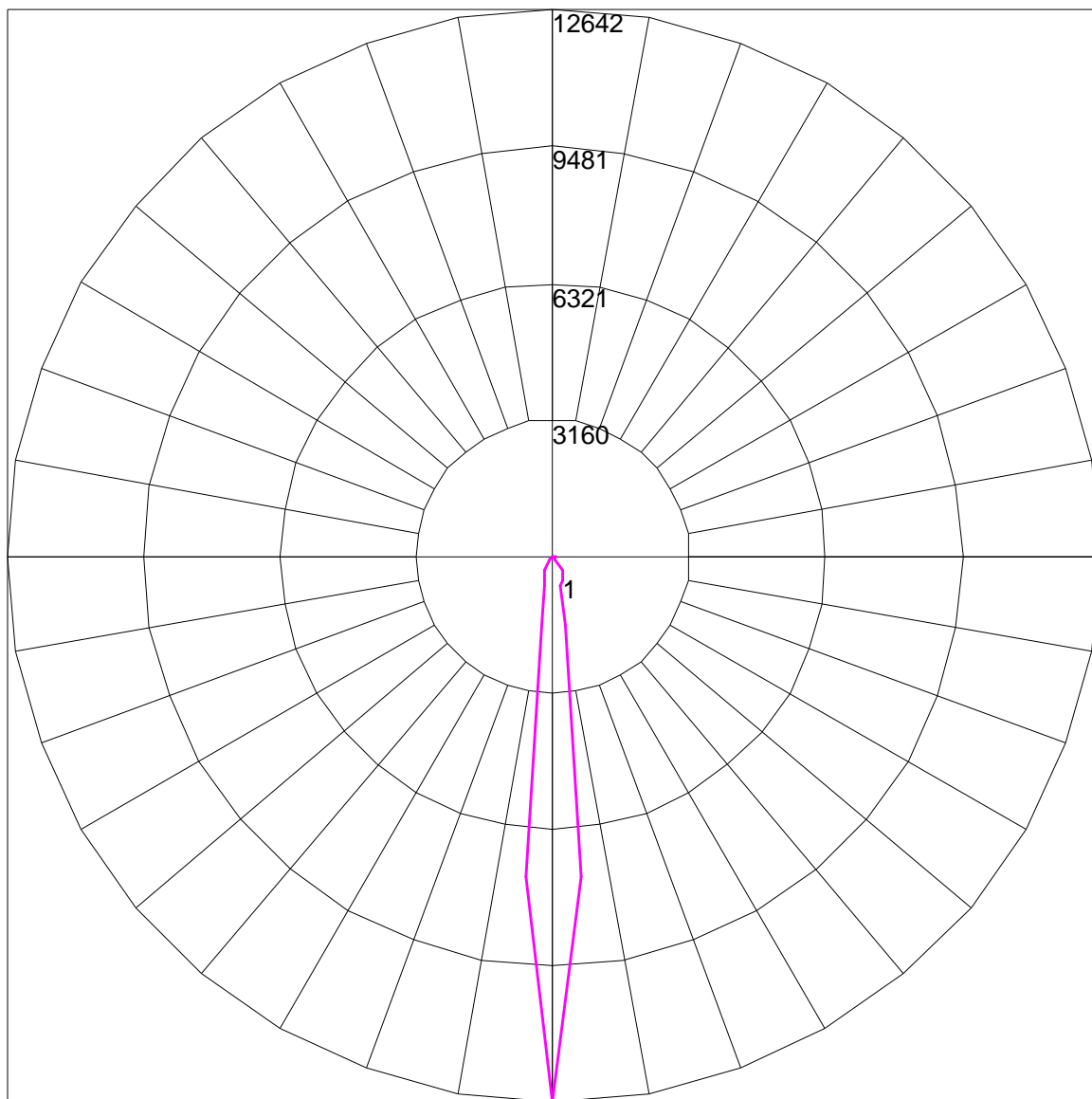
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	89
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86
5	101	95	90	87	99	94	90	87	92	89	86	91	88	85	89	87	85	84
6	98	91	87	84	97	91	87	84	89	86	83	88	85	83	87	84	82	81
7	95	89	84	81	94	88	84	81	87	83	81	86	83	80	85	82	80	79
8	93	86	82	79	92	86	82	79	85	81	79	84	81	78	83	80	78	77
9	90	84	80	77	90	83	79	77	83	79	77	82	79	76	81	78	76	75
10	88	82	78	75	88	81	78	75	81	77	75	80	77	75	79	77	74	74

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POLAR GRAPH



Maximum Candela = 12641.531 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)