

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_37 ~ SR3DMX-XT13LE1-RDD3X-XXK-XNMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_37_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 2/15/2017
 [UPDATE] 4/25/2017
 [LUMCAT] SR3DMx-XT13L-E1-RDD3x-xxK-XN-MW-SO
 [LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Xtra Narrow Beam
 [OTHER] Matte White Trim, Solite Lens
 [OTHER] 12.6 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	992
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	49
Total Luminaire Watts	20.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.24
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	2900	3565	3218
55	2717	3069	2642
65	2405	1760	2012
75	845	787	1361
85	556	2476	1610

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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	9382.730	9382.730	9382.730	9382.730	9382.730
5	5894.079	6024.246	6177.951	6262.873	6255.209
10	1616.616	1700.088	1872.742	1963.648	1993.679
15	625.104	624.950	651.260	666.134	686.992
20	471.744	472.798	473.347	481.261	486.687
25	409.116	413.081	406.814	416.905	417.974
30	291.227	282.431	275.920	277.223	277.919
35	85.036	77.729	85.959	85.885	89.173
40	23.093	21.569	21.273	19.568	21.151
45	12.771	15.237	15.696	14.474	14.170
50	11.699	11.588	12.858	12.882	12.001
55	9.704	9.001	10.960	10.651	9.437
60	6.987	6.479	8.100	6.987	6.536
65	6.330	4.902	4.632	4.671	5.294
70	3.485	4.256	4.008	2.318	3.327
75	1.362	1.847	1.268	1.226	2.193
80	1.790	1.303	1.074	1.002	1.264
85	0.302	0.836	1.344	0.966	0.874
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	710.86	N.A.	71.70
0-30	891.78	N.A.	89.90
0-40	962.98	N.A.	97.10
0-60	983.89	N.A.	99.20
0-80	991.03	N.A.	99.90
0-90	991.88	N.A.	100.00
10-90	521.24	N.A.	52.60
20-40	252.12	N.A.	25.40
20-50	264.21	N.A.	26.60
40-70	26.00	N.A.	2.60
60-80	7.14	N.A.	0.70
70-80	2.05	N.A.	0.20
80-90	0.84	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	991.88	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	470.63
10-20	240.23
20-30	180.92
30-40	71.20
40-50	12.10
50-60	8.82
60-70	5.09
70-80	2.05
80-90	0.84
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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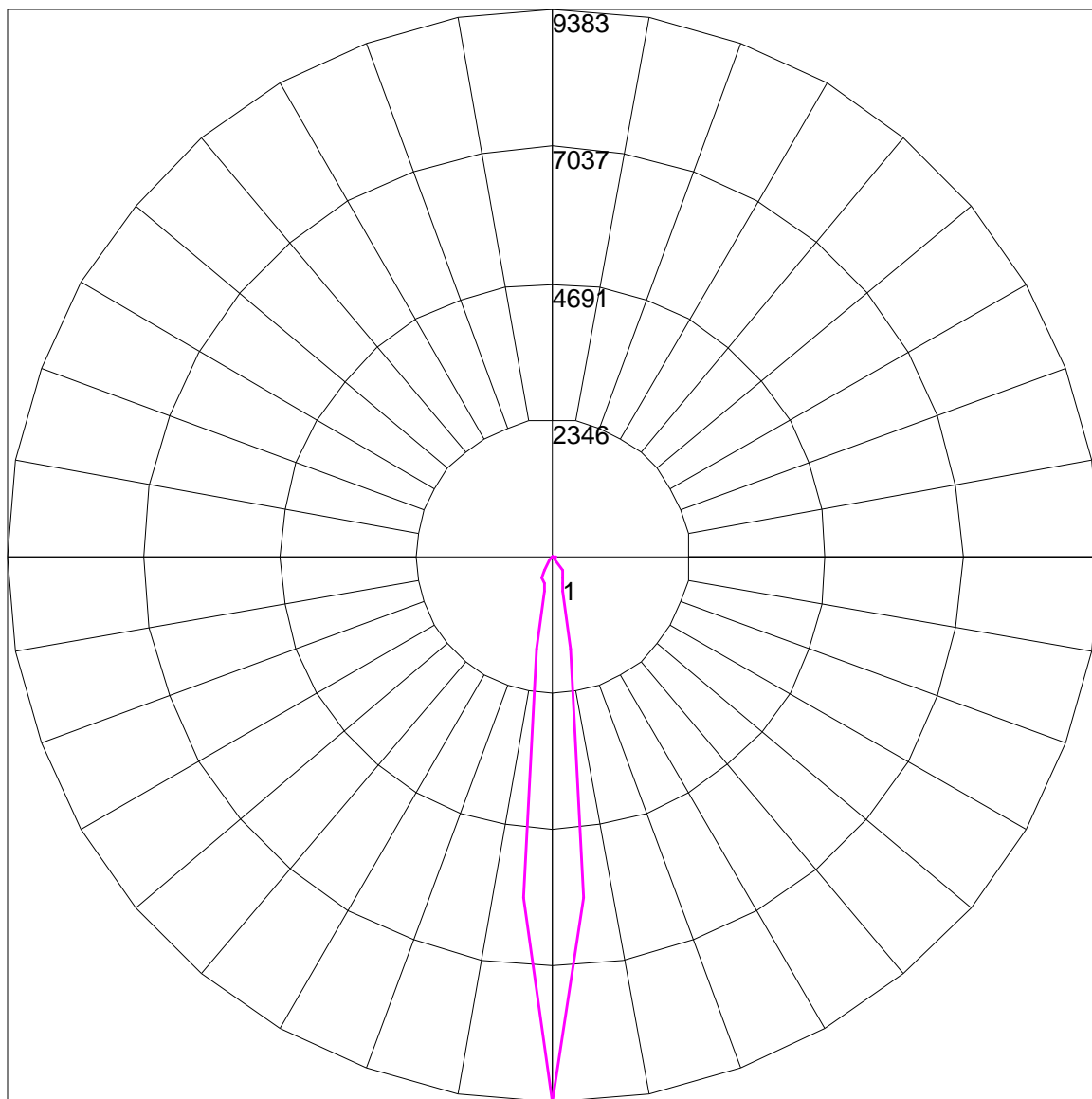
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

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POLAR GRAPH



Maximum Candela = 9382.73 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)