

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_38 ~ SR3DMX-XT13LE1-RDD3X-XXK-XNMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_38_M-13L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 2/15/2017
 [UPDATE] 4/26/2017
 [LUMCAT] SR3DMx-XT13L-E1-RDD3x-xxK-XN-MW-GL
 [LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Xtra Narrow Beam
 [OTHER] Matte White Trim, Clear glass lens
 [OTHER] 10.8 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	1083
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	53
Total Luminaire Watts	20.4
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.20
Spacing Criterion (90-270)	0.20
Spacing Criterion (Diagonal)	0.22
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	1780	2496	2127
55	2277	2271	2054
65	1515	1478	1246
75	1181	1000	960
85	1430	1826	1911

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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	13782.131	13782.131	13782.131	13782.131	13782.131
5	7826.721	7804.147	7813.949	7808.898	7826.832
10	1426.204	1426.816	1433.253	1424.171	1438.729
15	582.227	589.296	583.692	580.228	580.074
20	483.265	487.738	483.839	484.697	478.306
25	418.991	430.390	433.907	437.684	437.612
30	302.237	321.741	336.812	332.648	364.257
35	78.377	48.303	88.779	48.034	81.886
40	15.576	12.675	15.246	14.112	11.254
45	7.840	11.161	10.990	12.609	9.367
50	6.141	7.678	8.518	8.763	6.896
55	8.133	7.526	8.111	6.588	7.338
60	4.634	7.117	7.088	7.036	5.751
65	3.988	5.383	3.889	4.512	3.279
70	2.715	2.727	2.140	2.264	3.494
75	1.904	1.386	1.611	1.319	1.548
80	1.158	2.252	2.437	1.279	0.802
85	0.776	1.197	0.991	1.115	1.037
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	796.21	N.A.	73.50
0-30	989.01	N.A.	91.30
0-40	1060.91	N.A.	97.90
0-60	1075.87	N.A.	99.30
0-80	1082.21	N.A.	99.90
0-90	1083.26	N.A.	100.00
10-90	494.45	N.A.	45.60
20-40	264.70	N.A.	24.40
20-50	273.06	N.A.	25.20
40-70	19.37	N.A.	1.80
60-80	6.35	N.A.	0.60
70-80	1.93	N.A.	0.20
80-90	1.05	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	1083.26	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	588.81
10-20	207.40
20-30	192.80
30-40	71.90
40-50	8.35
50-60	6.60
60-70	4.42
70-80	1.93
80-90	1.05
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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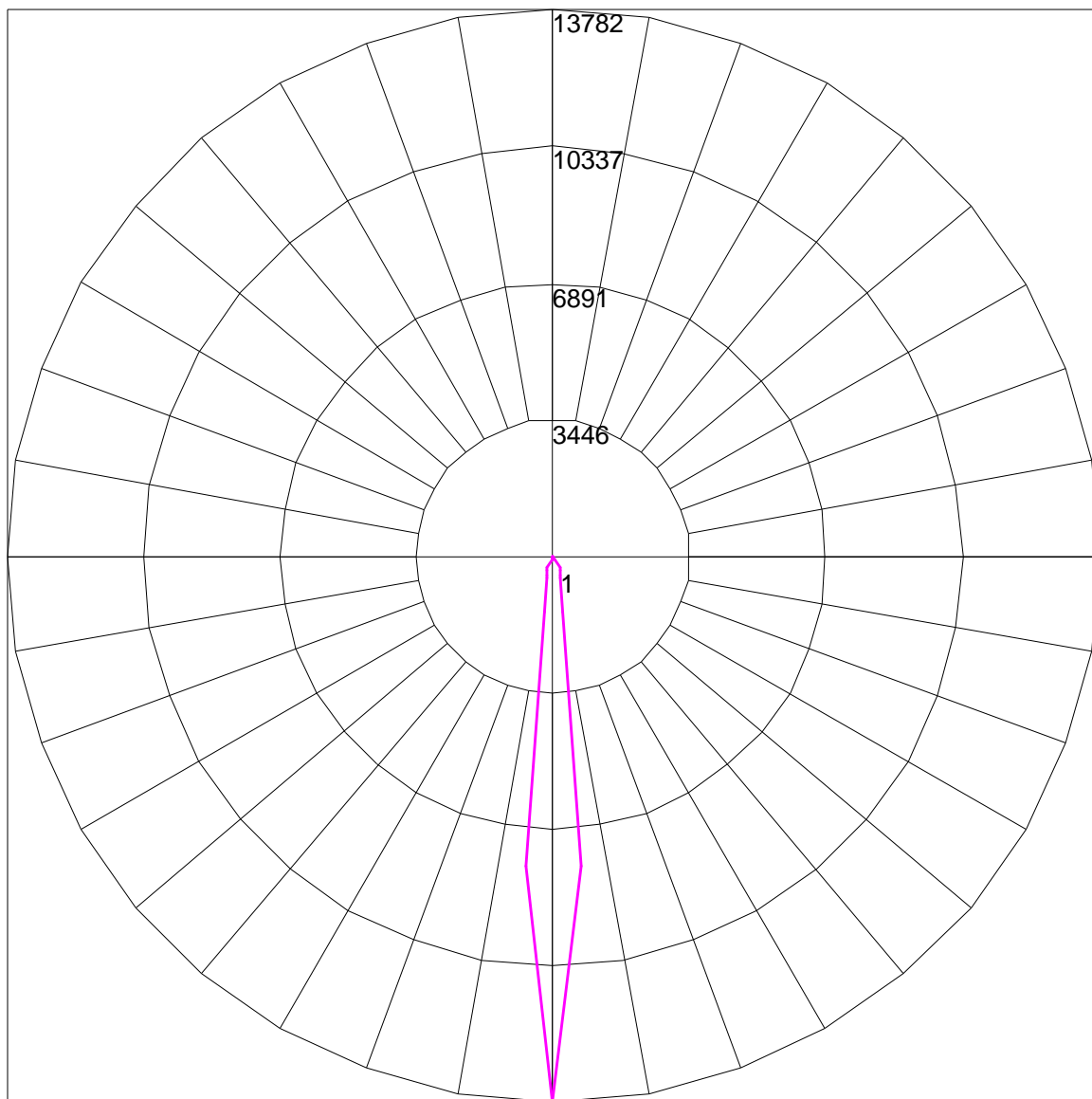
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97
2	112	108	105	103	110	106	104	102	103	101	99	100	99	97	98	97	95	94
3	108	104	100	98	106	102	99	97	100	97	95	98	96	94	96	94	92	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	92	89	87	86
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	84
7	97	91	87	85	96	91	87	84	90	86	84	89	86	84	88	85	83	82
8	95	89	85	82	94	88	85	82	88	84	82	87	84	82	86	83	81	81
9	93	87	83	81	92	86	83	80	86	82	80	85	82	80	84	82	80	79
10	91	85	81	79	90	85	81	79	84	81	79	83	80	78	83	80	78	77

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POLAR GRAPH



Maximum Candela = 13782.131 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)