

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_37 ~ SR3DMX-XT10LE1-RDD3X-XXK-XNMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_37_M-10L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUEDATE] 2/15/2017
[UPDATE] 4/27/2017
[LUMCAT] SR3DMx-XT10L-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 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	736
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	50
Total Luminaire Watts	14.8
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	2153	2646	2389
55	2017	2278	1961
65	1786	1306	1493
75	627	584	1010
85	413	1837	1194

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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	6964.873	6964.873	6964.873	6964.873	6964.873
5	4375.220	4471.844	4585.940	4648.979	4643.290
10	1200.026	1261.988	1390.150	1457.631	1479.923
15	464.020	463.905	483.436	494.476	509.960
20	350.179	350.961	351.369	357.243	361.272
25	303.690	306.634	301.981	309.472	310.265
30	216.180	209.651	204.817	205.785	206.302
35	63.123	57.699	63.808	63.753	66.194
40	17.142	16.011	15.791	14.525	15.701
45	9.480	11.310	11.651	10.744	10.518
50	8.685	8.602	9.544	9.562	8.908
55	7.204	6.681	8.136	7.906	7.005
60	5.186	4.809	6.013	5.186	4.852
65	4.699	3.639	3.438	3.467	3.930
70	2.587	3.159	2.975	1.721	2.469
75	1.011	1.371	0.941	0.910	1.628
80	1.329	0.967	0.797	0.744	0.938
85	0.224	0.620	0.997	0.717	0.648
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	527.68	N.A.	71.70
0-30	661.97	N.A.	89.90
0-40	714.83	N.A.	97.10
0-60	730.35	N.A.	99.20
0-80	735.65	N.A.	99.90
0-90	736.28	N.A.	100.00
10-90	386.92	N.A.	52.60
20-40	187.15	N.A.	25.40
20-50	196.13	N.A.	26.60
40-70	19.30	N.A.	2.60
60-80	5.30	N.A.	0.70
70-80	1.52	N.A.	0.20
80-90	0.63	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	736.28	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	349.35
10-20	178.32
20-30	134.30
30-40	52.85
40-50	8.98
50-60	6.54
60-70	3.78
70-80	1.52
80-90	0.63
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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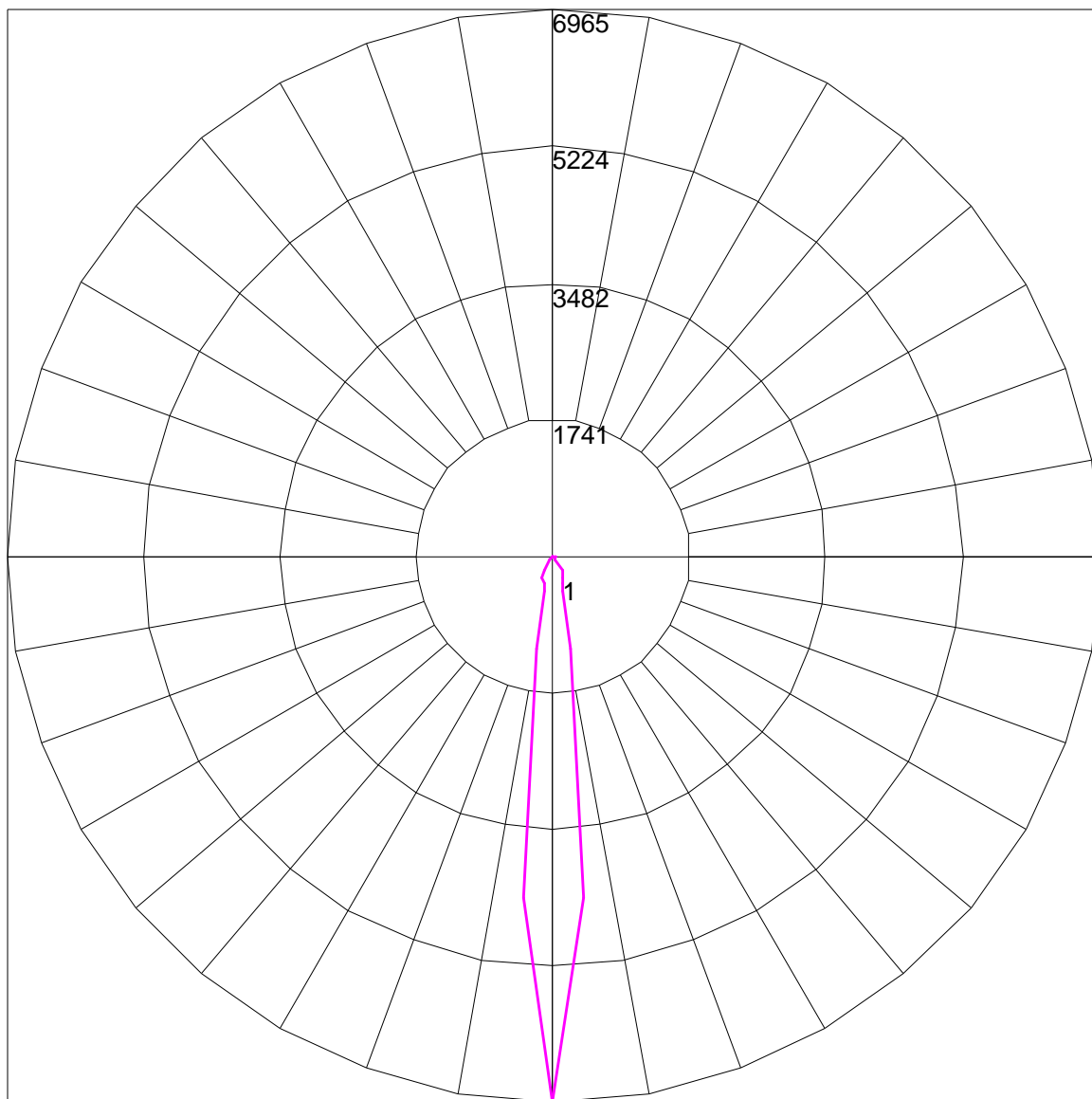
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	97
2	111	107	104	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	94	91	88	93	90	87	91	89	86	90	88	86	85
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	83	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	74

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POLAR GRAPH



Maximum Candela = 6964.873 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)