

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00548_13 ~ SR4MX-XT30LE1-RDD4X-XXK-XWMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00548.13_M-30L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUEDATE] 3/13/2017
 [UPDATE] 4/18/2017
 [LUMCAT] SR4MRx-XT30L-E1-RDD4x-xxK-XW-MW-GL
 [LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Xtra Wide Beam
 [OTHER] Matte White Trim, Clear Glass lens
 [OTHER] 61.6 Degree Beam Angle
 [LAMP] N/A
 [LAMPCAT] N/A, Min. 83 CRI
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] For New Construction Non-IC Housing: SR4MO-XT-series
 [OTHER] For Remodel/Retrofit Housing: SR4MR-XT-Series
 [OTHER] For RDD4F or RDD4N Downlight Trim
 [OTHER] LEDXT lumen output is the same for all available CCT's
 [OTHER] This report prepared by Spectrum Lighting, scaled from 40L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2182
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.00
Spacing Criterion (90-270)	0.98
Spacing Criterion (Diagonal)	0.92
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.36 ft (Diameter)
Luminous Width (90-270)	0.36 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_13 ~ SR4MX-XT30LE1-RDD4X-XXK-XWMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8739	8365	8442
55	1847	2246	2151
65	1808	1967	1894
75	1117	1519	1205
85	1542	1514	1453

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_13 ~ SR4MX-XT30LE1-RDD4X-XXK-XWMWGL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2412.056	2412.056	2412.056	2412.056	2412.056
5	2382.966	2389.572	2387.710	2395.227	2385.072
10	2291.931	2298.681	2295.161	2294.363	2277.765
15	2170.003	2181.249	2172.742	2166.983	2139.204
20	1997.482	2005.287	1993.634	1983.951	1948.698
25	1755.970	1761.859	1741.330	1740.896	1706.031
30	1393.941	1413.046	1376.768	1401.538	1355.365
35	750.535	766.126	732.397	775.886	715.214
40	194.502	201.182	179.833	195.816	183.521
45	59.467	62.062	56.923	62.920	57.445
50	22.188	24.250	23.157	24.219	22.094
55	10.194	12.525	12.395	11.502	11.872
60	7.574	7.996	7.849	7.742	9.058
65	7.354	7.451	8.002	7.209	7.702
70	7.126	6.329	6.345	6.859	6.600
75	2.782	2.528	3.783	2.970	3.001
80	2.236	1.523	1.914	1.640	2.066
85	1.293	1.611	1.270	1.696	1.219
90	0.992	0.841	0.902	0.537	1.066

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Zone	Lumens	%Lamp	%Fixt
0-20	832.26	N.A.	38.10
0-30	1620.53	N.A.	74.30
0-40	2093.53	N.A.	95.90
0-60	2169.25	N.A.	99.40
0-80	2180.42	N.A.	99.90
0-90	2181.93	N.A.	100.00
10-90	1957.03	N.A.	89.70
20-40	1261.27	N.A.	57.80
20-50	1324.72	N.A.	60.70
40-70	83.07	N.A.	3.80
60-80	11.17	N.A.	0.50
70-80	3.82	N.A.	0.20
80-90	1.51	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	2181.93	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	224.90
10-20	607.36
20-30	788.27
30-40	473.00
40-50	63.46
50-60	12.26
60-70	7.36
70-80	3.82
80-90	1.51
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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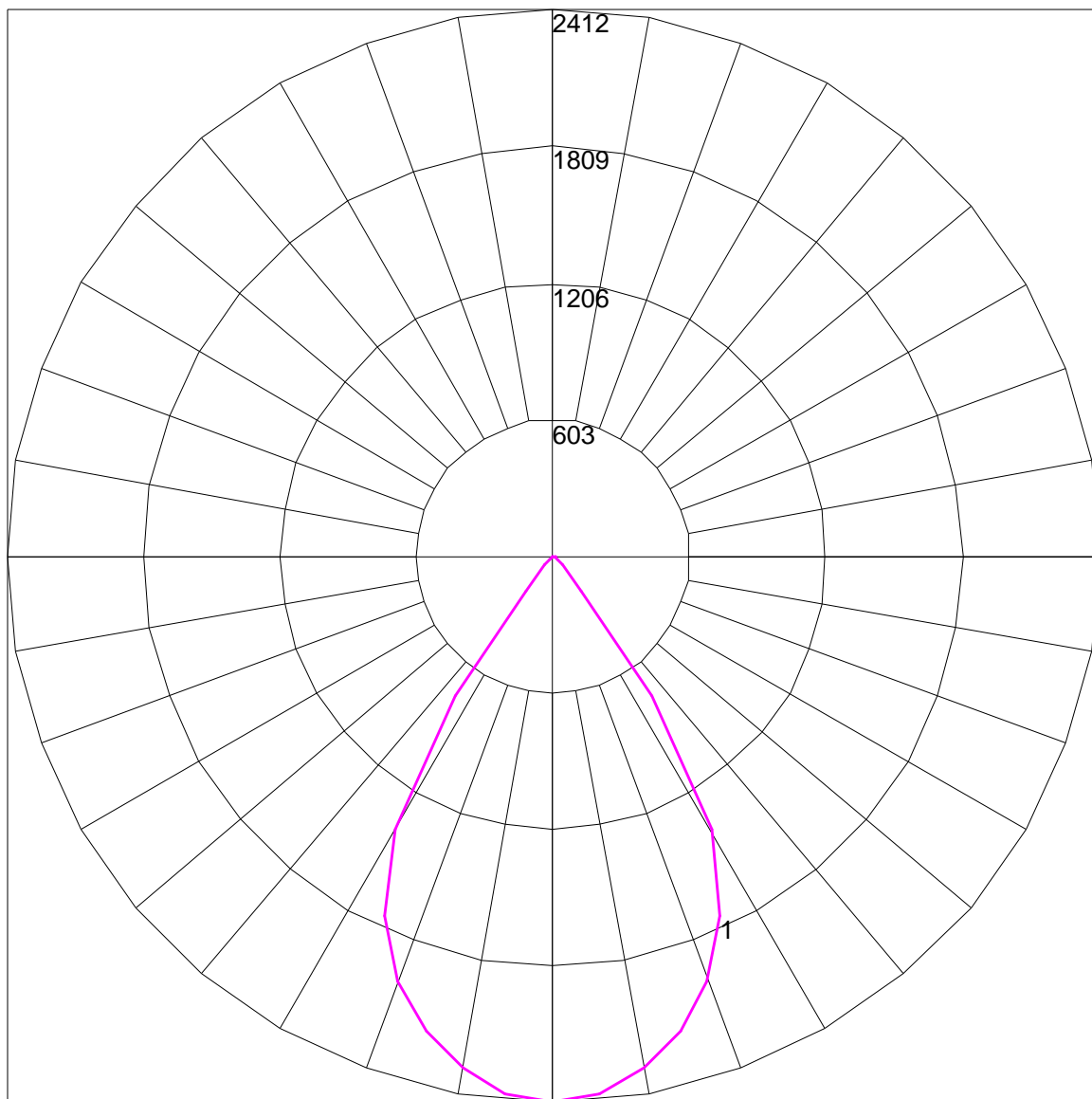
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	78	76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71
6	88	80	74	70	87	79	73	69	77	72	69	76	72	68	75	71	68	66
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62
8	80	71	65	61	79	70	64	61	69	64	60	68	63	60	67	63	60	58
9	76	67	61	57	75	66	61	57	65	60	57	64	60	57	64	59	56	55
10	73	63	57	54	72	63	57	54	62	57	53	61	57	53	60	56	53	52

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POLAR GRAPH



Maximum Candela = 2412.056 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)