

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00548_11 ~ SR4MX-XT30LE1-RDD4X-XXK-WDMWSO.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00548.11_M-30L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 3/13/2017
 [UPDATE] 4/18/2017
 [LUMCAT] SR4MRx-XT30L-E1-RDD4x-xxK-WD-MW-SO
 [LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Wide Beam
 [OTHER] Matte White Trim, Solite lens
 [OTHER] 40 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	2033
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	59
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.64
Spacing Criterion (90-270)	0.68
Spacing Criterion (Diagonal)	0.68
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_11 ~ SR4MX-XT30LE1-RDD4X-XXK-WDMWSO.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9788	9174	9547
55	5408	4862	4752
65	3792	3523	2977
75	1619	1273	1559
85	2265	1434	2074

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP_00548_11 ~ SR4MX-XT30LE1-RDD4X-XXK-WDMWSO.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	3723.719	3723.719	3723.719	3723.719	3723.719
5	3549.022	3573.940	3577.989	3621.993	3624.770
10	3109.518	3153.979	3154.735	3237.379	3237.383
15	2485.081	2541.181	2535.434	2636.605	2626.841
20	1821.428	1877.147	1868.877	1960.000	1938.357
25	1252.417	1292.918	1278.269	1348.322	1326.315
30	795.091	818.138	796.632	847.850	829.579
35	408.834	427.866	407.156	444.163	416.330
40	158.037	168.886	160.219	173.275	160.221
45	66.608	68.510	62.430	66.129	64.968
50	40.068	39.357	35.671	37.321	36.700
55	29.853	27.697	26.838	25.820	26.229
60	22.191	20.411	19.970	19.258	18.270
65	15.423	14.340	14.329	14.142	12.106
70	10.433	9.085	9.124	8.620	7.680
75	4.032	3.662	3.170	4.347	3.882
80	2.453	2.653	1.912	2.266	2.128
85	1.900	1.671	1.203	1.742	1.740
90	1.209	1.323	1.081	0.598	0.992

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Zone	Lumens	%Lamp	%Fixt
0-20	1038.42	N.A.	51.10
0-30	1642.31	N.A.	80.80
0-40	1923.32	N.A.	94.60
0-60	2011.96	N.A.	99.00
0-80	2031.06	N.A.	99.90
0-90	2032.84	N.A.	100.00
10-90	1703.22	N.A.	83.80
20-40	884.90	N.A.	43.50
20-50	948.58	N.A.	46.70
40-70	102.79	N.A.	5.10
60-80	19.10	N.A.	0.90
70-80	4.96	N.A.	0.20
80-90	1.78	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	2032.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	329.62
10-20	708.80
20-30	603.89
30-40	281.00
40-50	63.68
50-60	24.97
60-70	14.15
70-80	4.96
80-90	1.78
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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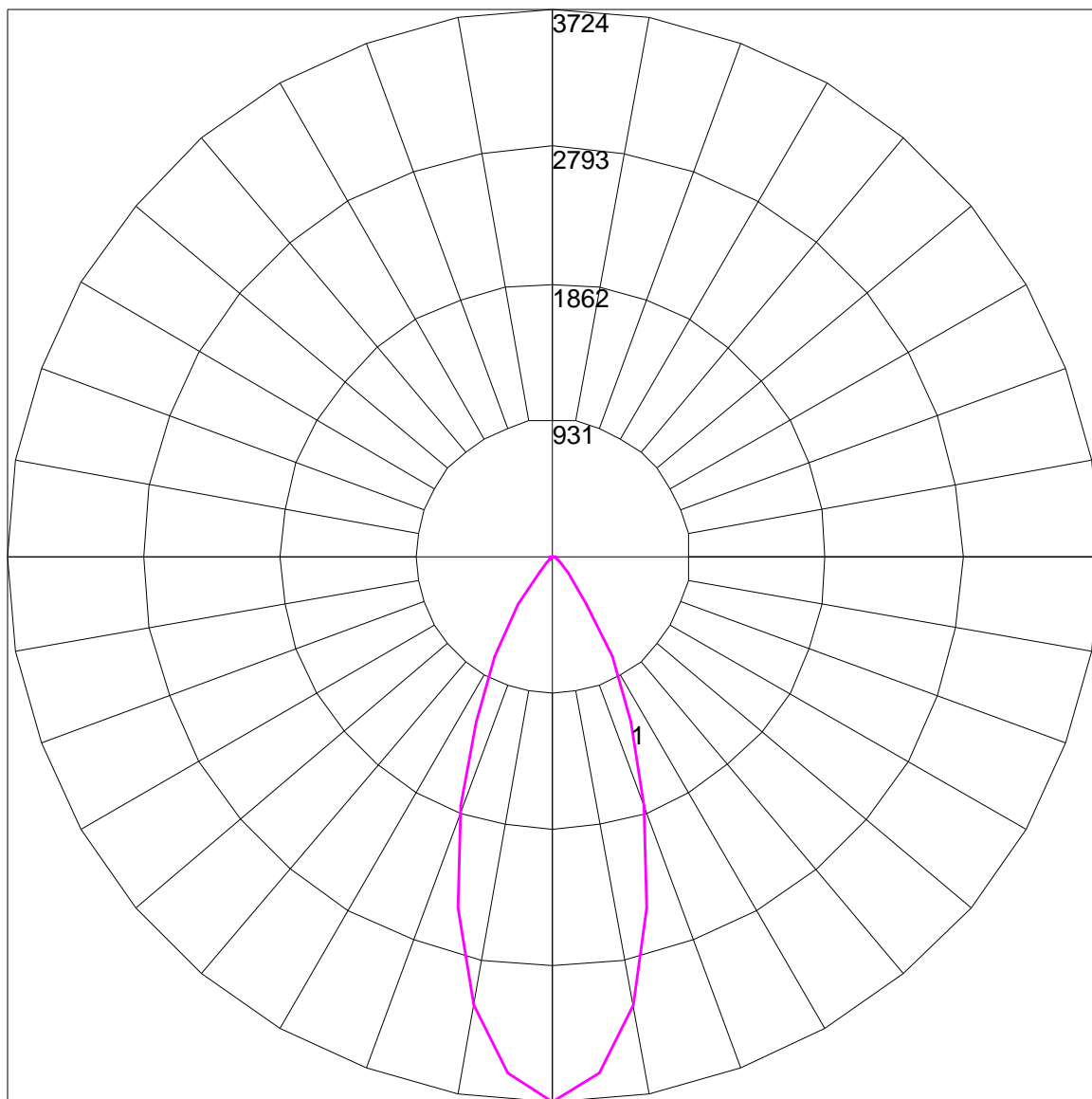
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89
3	104	98	93	90	102	97	92	89	94	91	88	92	89	86	89	87	85	83
4	99	92	87	83	98	91	87	83	89	85	82	87	84	81	85	83	80	79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74
6	91	83	77	73	89	82	77	73	80	76	73	79	75	72	78	74	72	70
7	87	79	73	69	86	78	73	69	77	72	69	76	71	68	74	71	68	67
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	62	60
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	65	61	59	58

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POLAR GRAPH



Maximum Candela = 3723.719 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)