

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP_00548_4 ~ SR4MX-XT30LE1-RDD4X-XXK-NDMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00548.4_M-30L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 3/13/2017
 [UPDATE] 4/18/2017
 [LUMCAT] SR4MRx-XT30L-E1-RDD4x-xxK-ND-MW-GL
 [LUMINAIRE] Nom. 4" Round Downlight, Deep profile, Narrow Beam
 [OTHER] Matte White Trim, Clear glass lens
 [OTHER] 16.1 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	2147
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.30
Spacing Criterion (90-270)	0.30
Spacing Criterion (Diagonal)	0.32
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_4 ~ SR4MX-XT30LE1-RDD4X-XXK-NDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2796	2539	2463
55	2155	2007	2402
65	1120	1501	1250
75	1090	1191	796
85	1345	1893	2067

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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	12946.330	12946.330	12946.330	12946.330	12946.330
5	10356.971	10743.610	10413.549	10567.550	10234.301
10	4717.592	5027.233	4719.072	4880.467	4641.809
15	1980.292	2084.556	1969.795	2046.039	1970.845
20	1066.335	1102.912	1072.697	1097.043	1085.527
25	811.268	817.682	804.353	818.633	811.089
30	715.750	718.541	708.283	717.699	710.881
35	359.888	388.721	349.748	363.040	344.043
40	30.631	51.205	33.382	44.845	29.551
45	19.028	16.676	17.276	18.956	16.760
50	14.094	14.241	11.489	14.541	11.351
55	11.898	11.067	11.081	11.860	13.257
60	6.202	9.509	8.058	9.819	9.608
65	4.554	3.254	6.104	6.601	5.085
70	3.578	2.864	7.139	3.979	2.598
75	2.714	3.054	2.966	3.064	1.982
80	1.551	1.637	2.256	2.740	1.307
85	1.128	1.677	1.588	1.194	1.734
90	0.860	0.832	0.698	1.263	0.834

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Zone	Lumens	%Lamp	%Fixt
0-20	1490.88	N.A.	69.40
0-30	1883.47	N.A.	87.70
0-40	2109.46	N.A.	98.20
0-60	2136.52	N.A.	99.50
0-80	2145.49	N.A.	99.90
0-90	2147.09	N.A.	100.00
10-90	1318.28	N.A.	61.40
20-40	618.58	N.A.	28.80
20-50	635.49	N.A.	29.60
40-70	32.86	N.A.	1.50
60-80	8.97	N.A.	0.40
70-80	3.17	N.A.	0.10
80-90	1.60	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	2147.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	828.82
10-20	662.07
20-30	392.58
30-40	226.00
40-50	16.92
50-60	10.14
60-70	5.80
70-80	3.17
80-90	1.60
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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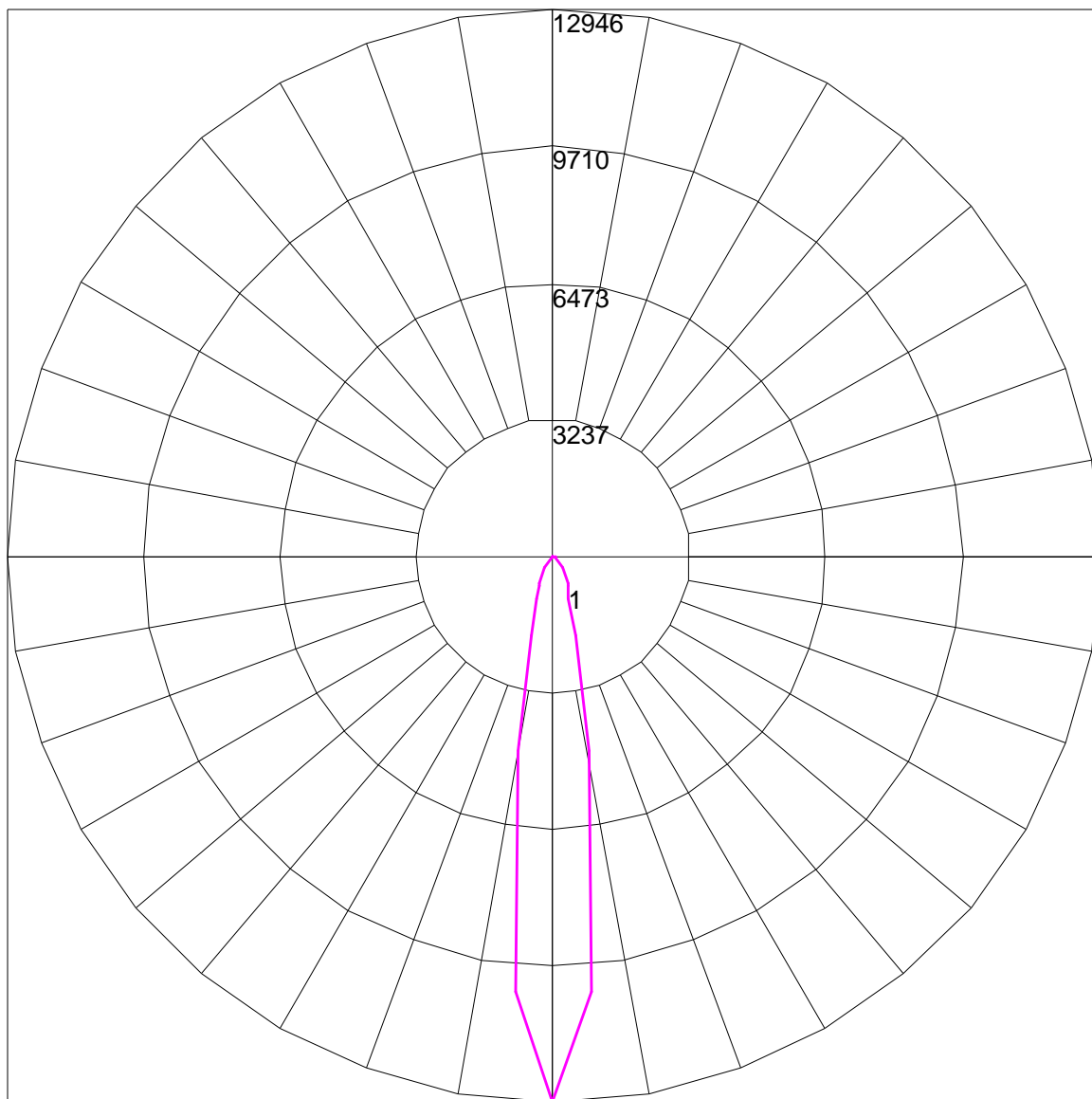
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	110	109	107	106	105	104	103	102	101	99	99	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	94	92	94	92	90	89
4	103	98	94	90	102	97	93	90	95	91	89	93	90	88	91	89	87	86
5	100	94	89	86	99	93	89	86	91	88	85	90	87	84	88	86	84	83
6	97	90	86	83	96	90	85	82	88	85	82	87	84	81	86	83	81	80
7	94	87	83	80	93	87	82	79	85	82	79	84	81	79	83	81	78	77
8	91	84	80	77	90	84	80	77	83	79	77	82	79	76	81	78	76	75
9	89	82	77	74	88	81	77	74	80	77	74	80	76	74	79	76	74	73
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	71

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POLAR GRAPH



Maximum Candela = 12946.33 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)