

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_42 ~ SR3DMX-XT30LE1-RDD3X-XXK-MDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_42_M-30L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 2/15/2017
[UPDATE] 4/26/2017
[LUMCAT] SR3DMx-XT30L-E1-RDD3x-xxK-MD-MW-NL
[LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Medium Beam
[OTHER] Matte White Trim, No Lens
[OTHER] 45.9 Degree Beam Angle
[LAMP] N/A, 19mm
[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	2683
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.66
Spacing Criterion (90-270)	0.66
Spacing Criterion (Diagonal)	0.74
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	8753	10374	8753
55	6476	7462	6476
65	4782	5929	4782
75	2829	3817	2829
85	4267	4164	4267

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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	5259.017	5259.016	5259.016	5259.016	5259.016
5	4927.816	5016.201	5121.525	5016.201	4927.816
10	4173.533	4332.252	4529.379	4332.252	4173.533
15	3525.668	3673.623	3842.108	3673.623	3525.668
20	2769.630	3004.669	3208.143	3004.669	2769.630
25	1777.816	2041.410	2324.424	2041.410	1777.816
30	665.994	928.746	1253.040	928.746	665.994
35	105.934	184.560	315.668	184.560	105.934
40	59.374	64.135	63.780	64.135	59.374
45	38.544	45.264	45.678	45.264	38.544
50	30.033	34.721	36.762	34.721	30.033
55	23.130	25.023	26.652	25.023	23.130
60	17.846	19.721	20.683	19.721	17.846
65	12.584	13.207	15.604	13.207	12.584
70	7.530	8.930	10.793	8.930	7.530
75	4.560	4.200	6.152	4.200	4.560
80	2.643	3.273	2.881	3.273	2.643
85	2.316	2.474	2.260	2.474	2.316
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1483.74	N.A.	55.30
0-30	2391.1	N.A.	89.10
0-40	2602.71	N.A.	97.00
0-60	2661.25	N.A.	99.20
0-80	2680.76	N.A.	99.90
0-90	2682.87	N.A.	100.00
10-90	2225.07	N.A.	82.90
20-40	1118.97	N.A.	41.70
20-50	1154.4	N.A.	43.00
40-70	72.35	N.A.	2.70
60-80	19.50	N.A.	0.70
70-80	5.70	N.A.	0.20
80-90	2.12	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	2682.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	457.81
10-20	1025.93
20-30	907.36
30-40	211.61
40-50	35.44
50-60	23.11
60-70	13.80
70-80	5.70
80-90	2.12
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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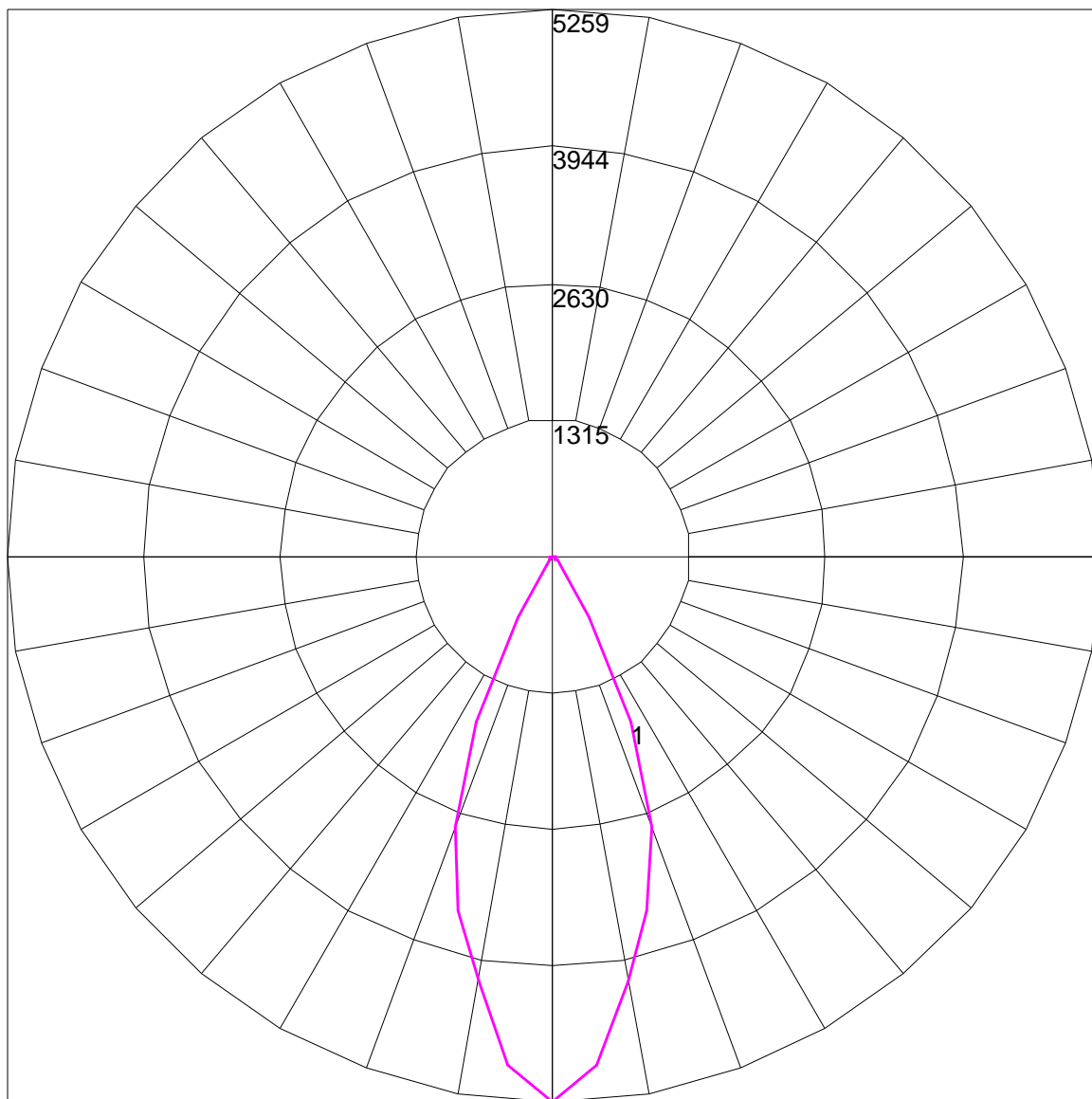
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81
5	96	89	84	80	95	88	84	80	87	82	79	85	81	79	83	80	78	77
6	92	85	80	76	91	84	79	76	83	78	75	81	78	75	80	77	74	73
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	70
8	85	77	72	68	84	77	72	68	76	71	68	75	71	68	74	70	68	66
9	82	74	69	65	81	73	68	65	72	68	65	72	68	65	71	67	65	63
10	79	71	66	62	78	70	65	62	70	65	62	69	65	62	68	64	62	61

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POLAR GRAPH



Maximum Candela = 5259.017 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)