

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SP-00545_44 ~ SR3DMX-XT30LE1-RDD3X-XXK-MDMWGL.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_44_M-30L
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 2/14/2017
 [UPDATE] 4/27/2017
 [LUMCAT] SR3DMx-XT30L-E1-RDD3x-xxK-MD-MW-GL
 [LUMINAIRE] Nominal 3" Round Downlight, Deep profile, Medium Beam
 [OTHER] Matte White Trim, clear glass lens
 [OTHER] 46 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: 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	2965
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.72
Spacing Criterion (90-270)	0.72
Spacing Criterion (Diagonal)	0.78
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.29 ft (Diameter)
Luminous Height	0.00 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_44 ~ SR3DMX-XT30LE1-RDD3X-XXK-MDMWGL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12821	15140	12821
55	8716	11391	8716
65	7704	9536	7704
75	3481	3820	3481
85	5360	4643	5360

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_44 ~ SR3DMX-XT30LE1-RDD3X-XXK-MDMWGL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	5038.017	5038.017	5038.017	5038.017	5038.017
5	4796.560	4880.767	4947.109	4880.767	4796.560
10	4245.303	4446.149	4589.519	4446.149	4245.303
15	3566.662	3753.515	3880.131	3753.515	3566.662
20	2923.939	3130.830	3258.306	3130.830	2923.939
25	2051.694	2317.048	2507.946	2317.048	2051.694
30	1024.824	1324.486	1538.524	1324.486	1024.824
35	237.400	371.169	501.630	371.169	237.400
40	83.073	98.153	108.820	98.153	83.073
45	56.456	63.367	66.668	63.367	56.456
50	41.179	47.343	49.456	47.343	41.179
55	31.130	36.700	40.686	36.700	31.130
60	24.663	26.704	29.782	26.704	24.663
65	20.274	24.435	25.095	24.435	20.274
70	11.607	16.410	17.046	16.410	11.607
75	5.610	7.106	6.156	7.106	5.610
80	3.071	3.650	3.184	3.650	3.071
85	2.909	2.703	2.520	2.703	2.909
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1500.64	N.A.	50.60
0-30	2523.77	N.A.	85.10
0-40	2848.17	N.A.	96.10
0-60	2932.28	N.A.	98.90
0-80	2962.78	N.A.	99.90
0-90	2965.18	N.A.	100.00
10-90	2513.68	N.A.	84.80
20-40	1347.53	N.A.	45.40
20-50	1399.04	N.A.	47.20
40-70	106.25	N.A.	3.60
60-80	30.50	N.A.	1.00
70-80	8.36	N.A.	0.30
80-90	2.40	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	2965.18	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	451.50
10-20	1049.14
20-30	1023.12
30-40	324.40
40-50	51.52
50-60	32.59
60-70	22.14
70-80	8.36
80-90	2.40
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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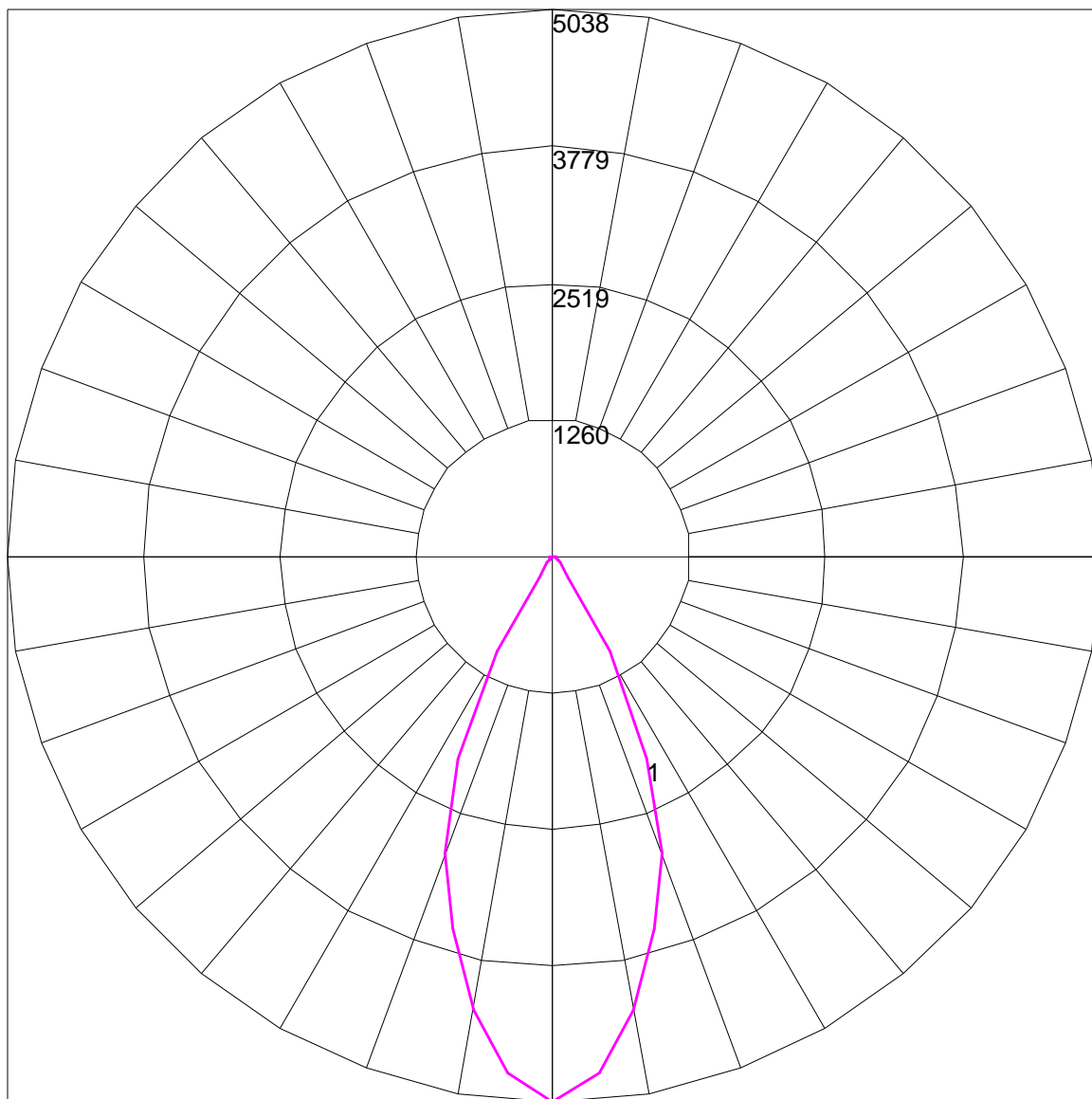
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	109	107	105	105	104	102	101	100	99	98	97	96	94
2	109	104	101	98	107	103	99	97	100	97	94	97	94	92	94	92	91	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	84
4	100	93	88	84	98	92	87	83	90	86	82	88	84	81	86	83	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	75
6	91	83	78	74	90	82	77	74	81	77	73	80	76	73	78	75	72	71
7	87	79	74	70	86	78	73	70	77	73	69	76	72	69	75	71	69	67
8	84	75	70	66	83	75	70	66	74	69	66	73	69	65	72	68	65	64
9	80	72	66	63	79	71	66	63	70	66	63	70	65	62	69	65	62	61
10	77	68	63	60	76	68	63	60	67	63	60	67	62	59	66	62	59	58

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POLAR GRAPH



Maximum Candela = 5038.017 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)