

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_46 ~ SR3DMX-XT30LE1-RDD3X-XXK-WDMWSO.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] SP-00545_46_M-30L

[TESTLAB] VLS-245-981

[MANUFAC] Spectrum Lighting

[ISSUE DATE] 2/15/2017

[UPDATE] 4/27/2017

[LUMCAT] SR3DMx-XT30L-E1-RDD3x-xxK-WD-MW-SO

[LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Wide Beam

[OTHER] Matte White Trim, Solite Lens

[OTHER] 54 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	2768
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.82
Spacing Criterion (90-270)	0.82
Spacing Criterion (Diagonal)	0.86
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	18728	25939	18728
55	16262	17636	16262
65	15773	16520	15773
75	6406	8627	6406
85	5334	9062	5334

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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	3508.638	3508.638	3508.638	3508.638	3508.638
5	3398.023	3434.247	3464.407	3434.247	3398.023
10	3179.231	3238.122	3287.316	3238.122	3179.231
15	2854.221	2939.602	3012.780	2939.602	2854.221
20	2423.177	2535.783	2623.171	2535.783	2423.177
25	1896.224	2030.271	2141.390	2030.271	1896.224
30	1265.844	1425.279	1544.684	1425.279	1265.844
35	624.775	767.109	861.003	767.109	624.775
40	226.311	303.808	364.071	303.808	226.311
45	82.466	97.830	114.218	97.830	82.466
50	66.502	70.962	74.066	70.962	66.502
55	58.083	59.295	62.992	59.295	58.083
60	50.367	54.538	56.058	54.538	50.367
65	41.511	41.850	43.477	41.850	41.511
70	19.848	26.919	28.767	26.919	19.848
75	10.325	12.756	13.905	12.756	10.325
80	5.207	6.704	8.120	6.704	5.207
85	2.895	3.430	4.918	3.430	2.895
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1138.14	N.A.	41.10
0-30	2051.09	N.A.	74.10
0-40	2546.61	N.A.	92.00
0-60	2709.00	N.A.	97.90
0-80	2764.58	N.A.	99.90
0-90	2768.39	N.A.	100.00
10-90	2446.86	N.A.	88.40
20-40	1408.47	N.A.	50.90
20-50	1516.17	N.A.	54.80
40-70	202.91	N.A.	7.30
60-80	55.57	N.A.	2.00
70-80	15.06	N.A.	0.50
80-90	3.82	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	2768.39	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	321.53
10-20	816.61
20-30	912.94
30-40	495.52
40-50	107.71
50-60	54.69
60-70	40.51
70-80	15.06
80-90	3.82
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

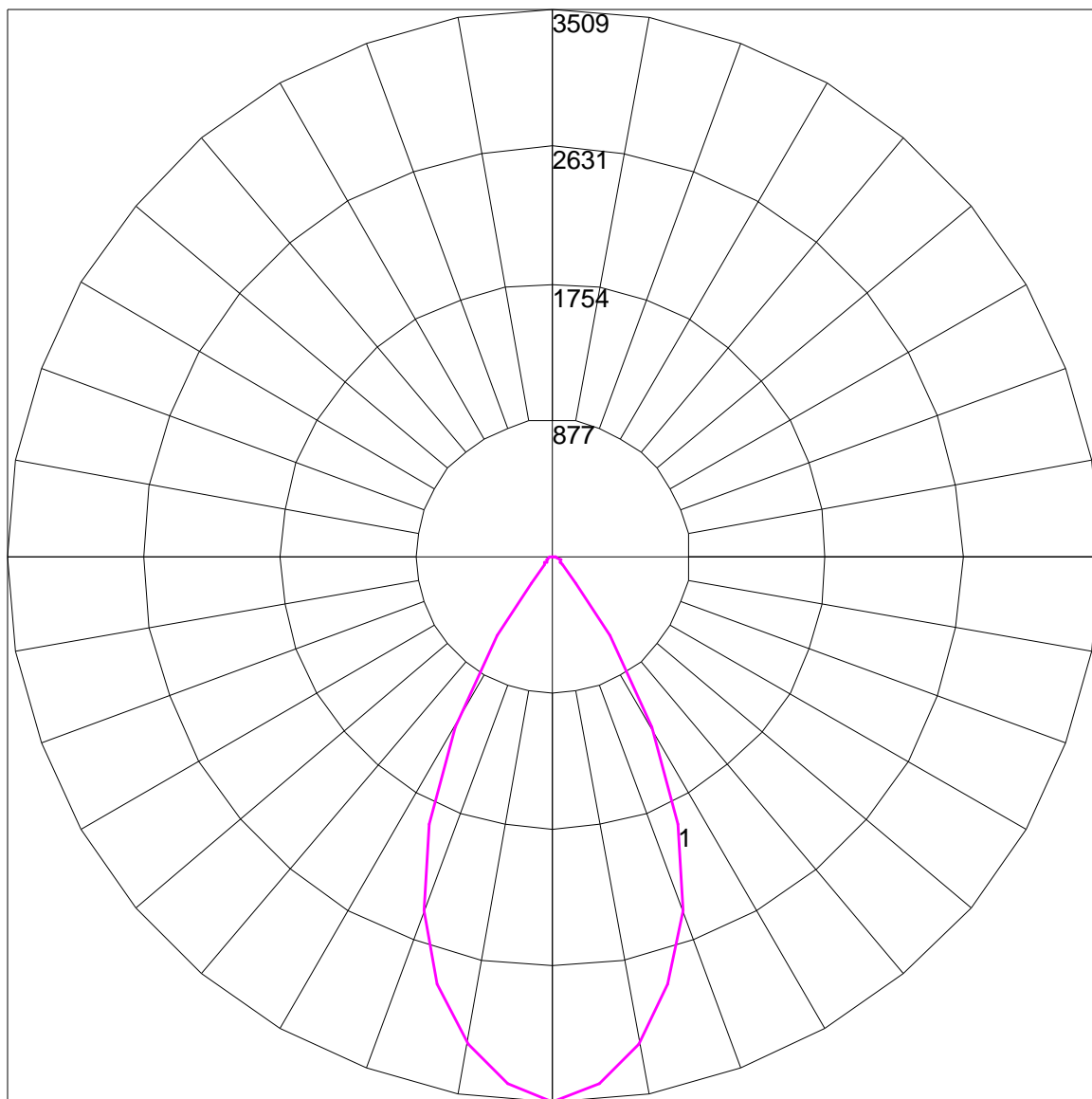
Effective Floor Cavity Reflectance 0.20

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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	87	100	95	90	86	92	88	85	89	86	84	87	85	82	81
4	97	90	84	80	95	89	83	80	86	82	79	84	81	78	83	79	77	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66
7	84	75	69	65	82	74	68	64	73	68	64	72	67	64	70	66	63	62
8	80	71	65	61	79	70	64	60	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	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	52

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POLAR GRAPH



Maximum Candela = 3508.638 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)