

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SP-00545_45 ~ SR3DMX-XT30LE1-RDD3X-XXK-WDMWNL.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00545_45_M-30L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 2/15/2017
[UPDATE] 4/26/2017
[LUMCAT] SR3DMx-XT30L-E1-RDD3x-xxK-WD-MW-NL
[LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Wide Beam
[OTHER] Matte White Trim, No Lens
[OTHER] 55.2 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	2908
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.84
Spacing Criterion (90-270)	0.84
Spacing Criterion (Diagonal)	0.88
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	9390	11810	9390
55	7658	10021	7658
65	8057	9577	8057
75	5806	7653	5806
85	4046	8352	4046

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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	3740.036	3740.035	3740.035	3740.035	3740.035
5	3636.678	3668.439	3696.508	3668.439	3636.678
10	3444.324	3488.606	3521.325	3488.606	3444.324
15	3125.146	3202.698	3257.447	3202.698	3125.146
20	2683.075	2794.968	2878.770	2794.968	2683.075
25	2085.720	2251.011	2371.071	2251.011	2085.720
30	1332.327	1561.431	1732.336	1561.431	1332.327
35	622.491	800.131	971.716	800.131	622.491
40	148.708	286.422	392.873	286.422	148.708
45	41.349	44.419	52.002	44.419	41.349
50	34.695	37.331	39.519	37.331	34.695
55	27.354	34.047	35.794	34.047	27.354
60	21.832	24.178	26.099	24.178	21.832
65	21.203	21.291	25.204	21.291	21.203
70	17.799	17.720	20.988	17.720	17.799
75	9.357	10.620	12.335	10.620	9.357
80	4.622	5.679	6.311	5.679	4.622
85	2.196	2.691	4.533	2.691	2.196
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1234.11	N.A.	42.40
0-30	2240.61	N.A.	77.10
0-40	2765.73	N.A.	95.10
0-60	2870.85	N.A.	98.70
0-80	2904.46	N.A.	99.90
0-90	2907.62	N.A.	100.00
10-90	2563.17	N.A.	88.20
20-40	1531.62	N.A.	52.70
20-50	1608.36	N.A.	55.30
40-70	126.71	N.A.	4.40
60-80	33.61	N.A.	1.20
70-80	12.02	N.A.	0.40
80-90	3.17	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	2907.62	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	344.45
10-20	889.66
20-30	1006.5
30-40	525.12
40-50	76.74
50-60	28.37
60-70	21.59
70-80	12.02
80-90	3.17
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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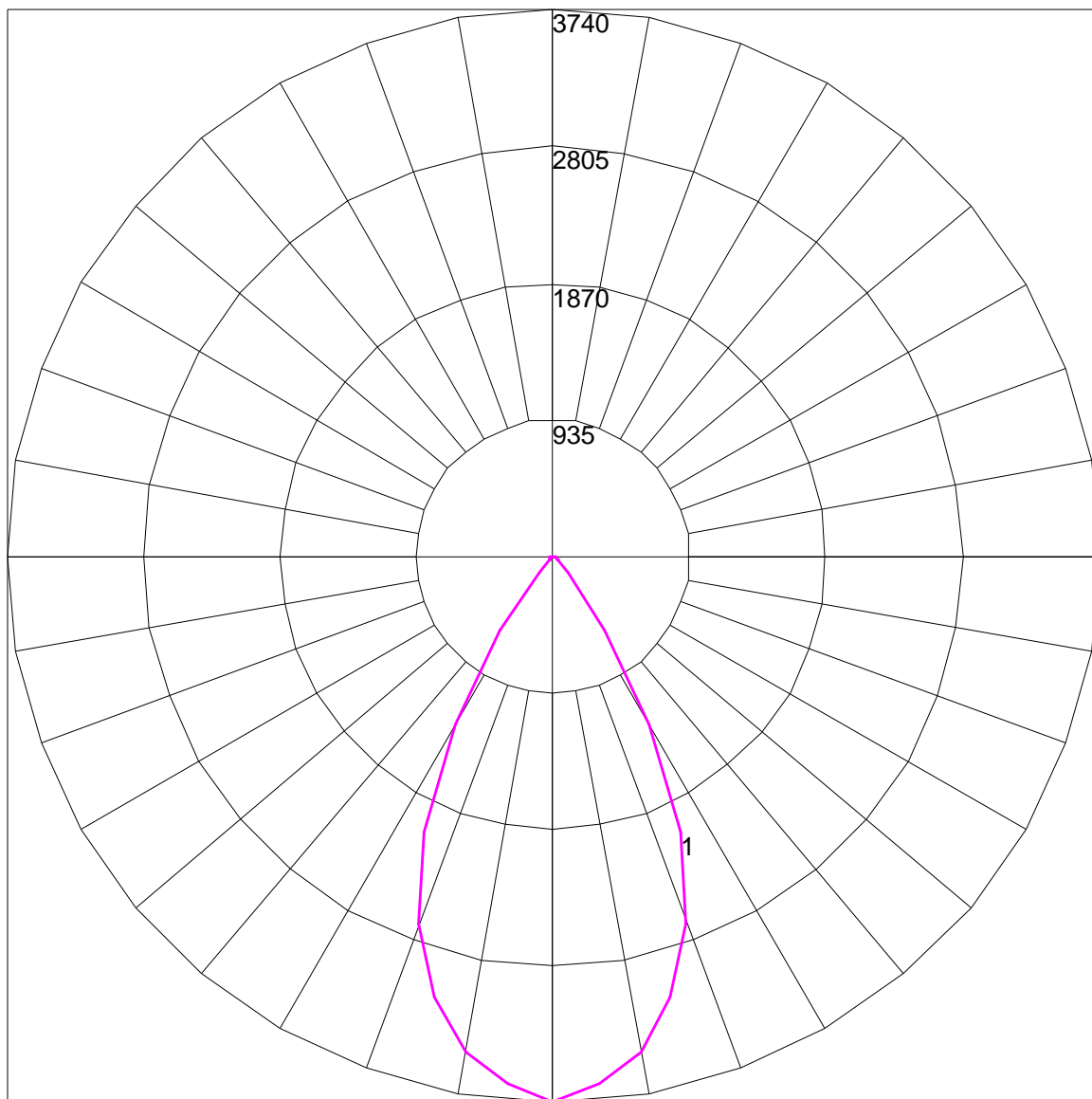
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94
2	108	103	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88
3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82
4	98	91	85	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77
5	93	85	80	76	92	84	79	75	83	78	75	81	77	74	79	76	73	72
6	89	80	75	71	88	80	74	70	78	73	70	77	73	69	75	72	69	68
7	85	76	70	66	84	75	70	66	74	69	66	73	68	65	72	68	65	64
8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60
9	77	68	62	59	76	68	62	58	67	62	58	66	61	58	65	61	58	57
10	74	65	59	55	73	64	59	55	63	58	55	63	58	55	62	58	55	54

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POLAR GRAPH



Maximum Candela = 3740.036 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)