

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00545_36 ~ SR3DMX-XT20LE1-RDD3X-XXK-XNMWNL.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] SP-00545_36
 [TESTLAB] VLS-245-981
 [MANUFAC] Spectrum Lighting
 [ISSUE DATE] 2/15/2017
 [UPDATE] 4/25/2017
 [LUMCAT] SR3DMx-XT20L-E1-RDD3x-xxK-XN-MW-NL
 [LUMINAIRE] Nom. 3" Round Downlight, Deep profile, Xtra Narrow Beam
 [OTHER] Matte White Trim, No Lens
 [OTHER] 11.5 Degree Beam Angle
 [LAMP] N/A, 9mm LES
 [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

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1953
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	52
Total Luminaire Watts	37.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.22
Spacing Criterion (90-270)	0.24
Spacing Criterion (Diagonal)	0.24
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	5882	5716	4862
55	6802	6159	6329
65	7435	8328	6774
75	8246	6584	6961
85	19560	16247	0

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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	19448.510	19448.510	19448.510	19448.510	19448.510
5	11467.900	12633.620	12434.960	12317.990	12583.640
10	2530.294	3599.977	3055.498	3632.799	3388.603
15	1059.194	1237.709	1108.626	1114.840	1086.621
20	889.212	962.480	889.902	854.200	844.951
25	798.439	855.474	801.967	751.922	756.112
30	605.385	624.274	554.116	573.481	520.736
35	170.001	235.149	194.782	181.745	184.804
40	26.518	39.136	30.192	30.782	27.247
45	25.901	29.338	25.168	21.572	21.409
50	23.429	27.576	23.808	19.919	22.032
55	24.296	24.592	21.998	19.546	22.604
60	20.049	23.854	21.913	18.475	23.268
65	19.566	18.577	21.918	15.540	17.828
70	13.879	15.275	15.822	14.859	16.322
75	13.290	14.140	10.611	12.205	11.219
80	10.162	8.894	8.157	9.224	10.126
85	10.616	9.518	8.818	0.000	0.000
90	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	1371.31	N.A.	70.20
0-30	1722.63	N.A.	88.20
0-40	1875.11	N.A.	96.00
0-60	1915.52	N.A.	98.10
0-80	1946.81	N.A.	99.70
0-90	1952.51	N.A.	100.00
10-90	1011.94	N.A.	51.80
20-40	503.80	N.A.	25.80
20-50	524.08	N.A.	26.80
40-70	58.76	N.A.	3.00
60-80	31.29	N.A.	1.60
70-80	12.93	N.A.	0.70
80-90	5.70	N.A.	0.30
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	1952.51	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	940.57
10-20	430.75
20-30	351.31
30-40	152.48
40-50	20.28
50-60	20.12
60-70	18.36
70-80	12.93
80-90	5.70
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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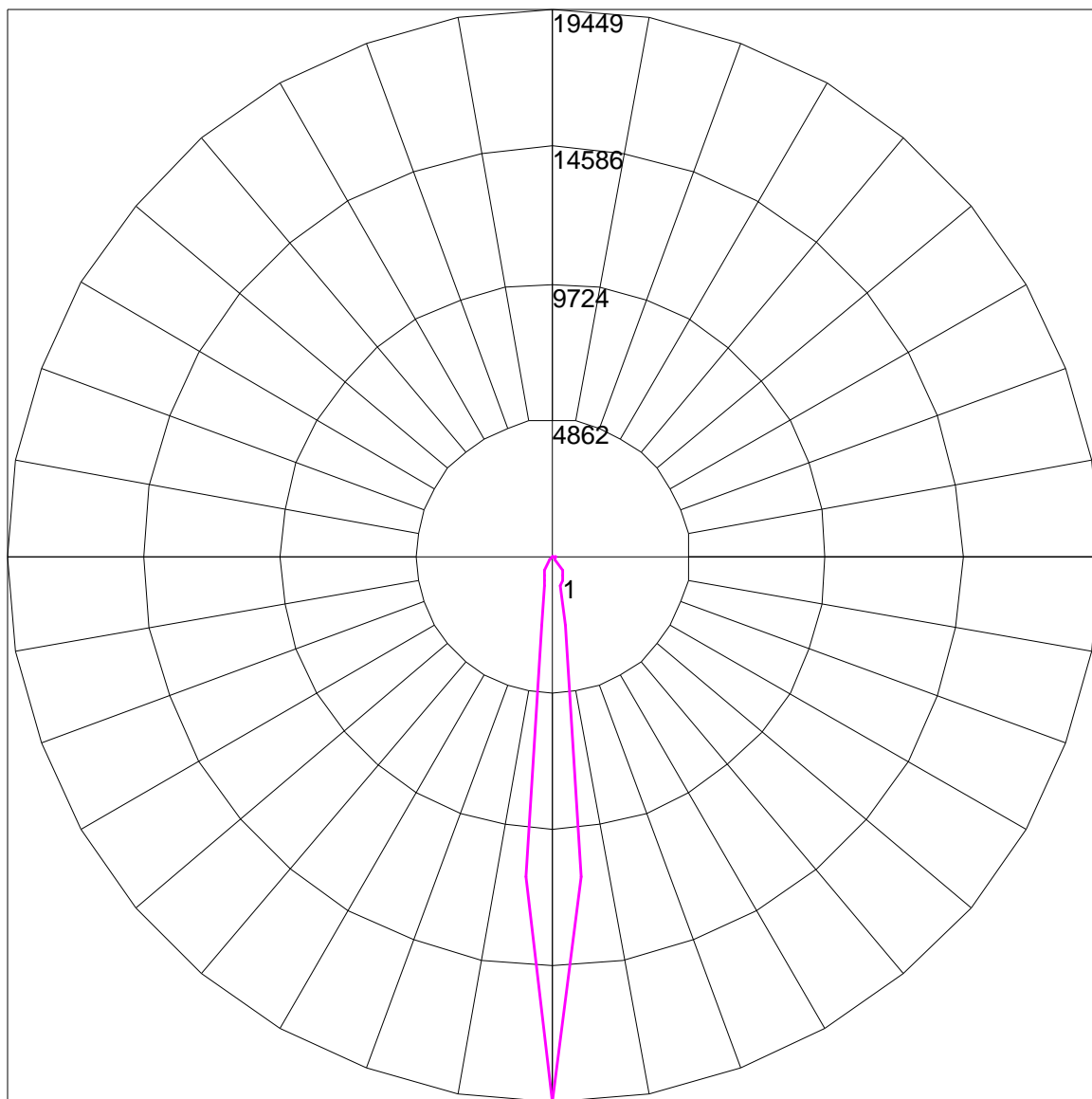
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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

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POLAR GRAPH



Maximum Candela = 19448.51 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180)