

IES INDOOR REPORT**PHOTOMETRIC FILENAME : SDXX4XT-30LXXKXWE1-SD4XMWSOX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2014.1.0 see: www.ltioptics.com/ies

[ISSUEDATE]

[TESTDATE] Wed Sep 30 2015

[UPDATE] Thu Jan 21 2016

[UPDATE] Wed Jul 13 2016

[TEST] SP-00487_3_M-30L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx4LEDXT-30L-xxK-XW-E1-SD4x-MW-SOX

[LUMINAIRE] 4" Square, Downlight, Xtra Wide Beam

[TRIM] Matte White, regressed Solite Lens

[LAMP] N/A, Min. 83 CRI

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] For Housings: SDFO4 and SDZO4 series

[OTHER] For Trims: SD4F and SD4N series

[OTHER] LEDXT lumen output is the same for all available color temperatures

[OTHER] This report prepared by Spectrum Lighting, scaled from 50L report

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2228
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	34.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.76
Spacing Criterion (90-270)	0.76
Spacing Criterion (Diagonal)	0.86
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.33 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.00 ft

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDXX4XT-30LXXKXWE1-SD4XMWSOX.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	20451	18940	20515
55	17225	16593	17964
65	16933	16866	17185
75	14369	14863	14625
85	13328	14575	14561

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : SDXX4XT-30LXXKXWE1-SD4XMWSOX.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2890.068	2890.068	2890.068	2890.068	2890.068
5	2846.940	2863.464	2821.656	2835.750	2833.836
10	2722.176	2720.346	2682.312	2706.846	2703.870
15	2348.436	2345.226	2352.276	2350.458	2311.236
20	1816.710	1836.990	1911.216	1860.228	1815.090
25	1399.074	1522.056	1622.532	1526.112	1398.558
30	728.730	936.966	1304.634	943.734	708.354
35	304.758	353.532	666.216	362.460	299.568
40	190.728	190.200	223.944	187.284	193.908
45	149.388	139.626	138.348	140.676	149.850
50	115.152	107.988	106.782	110.010	116.820
55	102.060	99.882	98.316	97.950	106.440
60	93.942	88.464	87.018	86.538	91.338
65	73.926	76.416	73.632	78.072	75.024
70	60.468	60.294	57.996	59.652	58.974
75	38.418	42.540	39.738	42.282	39.102
80	26.136	26.706	26.436	26.394	24.198
85	12.000	13.290	13.122	12.150	13.110
90	3.786	3.540	3.954	3.654	3.792

IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDXX4XT-30LXXKXWE1-SD4XMWSOX.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	912.65	N.A.	41.00
0-30	1582.00	N.A.	71.00
0-40	1891.09	N.A.	84.90
0-60	2094.47	N.A.	94.00
0-80	2212.74	N.A.	99.30
0-90	2227.85	N.A.	100.00
10-90	1960.95	N.A.	88.00
20-40	978.44	N.A.	43.90
20-50	1092.46	N.A.	49.00
40-70	277.52	N.A.	12.50
60-80	118.28	N.A.	5.30
70-80	44.13	N.A.	2.00
80-90	15.11	N.A.	0.70
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	2227.85	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	266.90
10-20	645.75
20-30	669.35
30-40	309.09
40-50	114.02
50-60	89.36
60-70	74.14
70-80	44.13
80-90	15.11
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

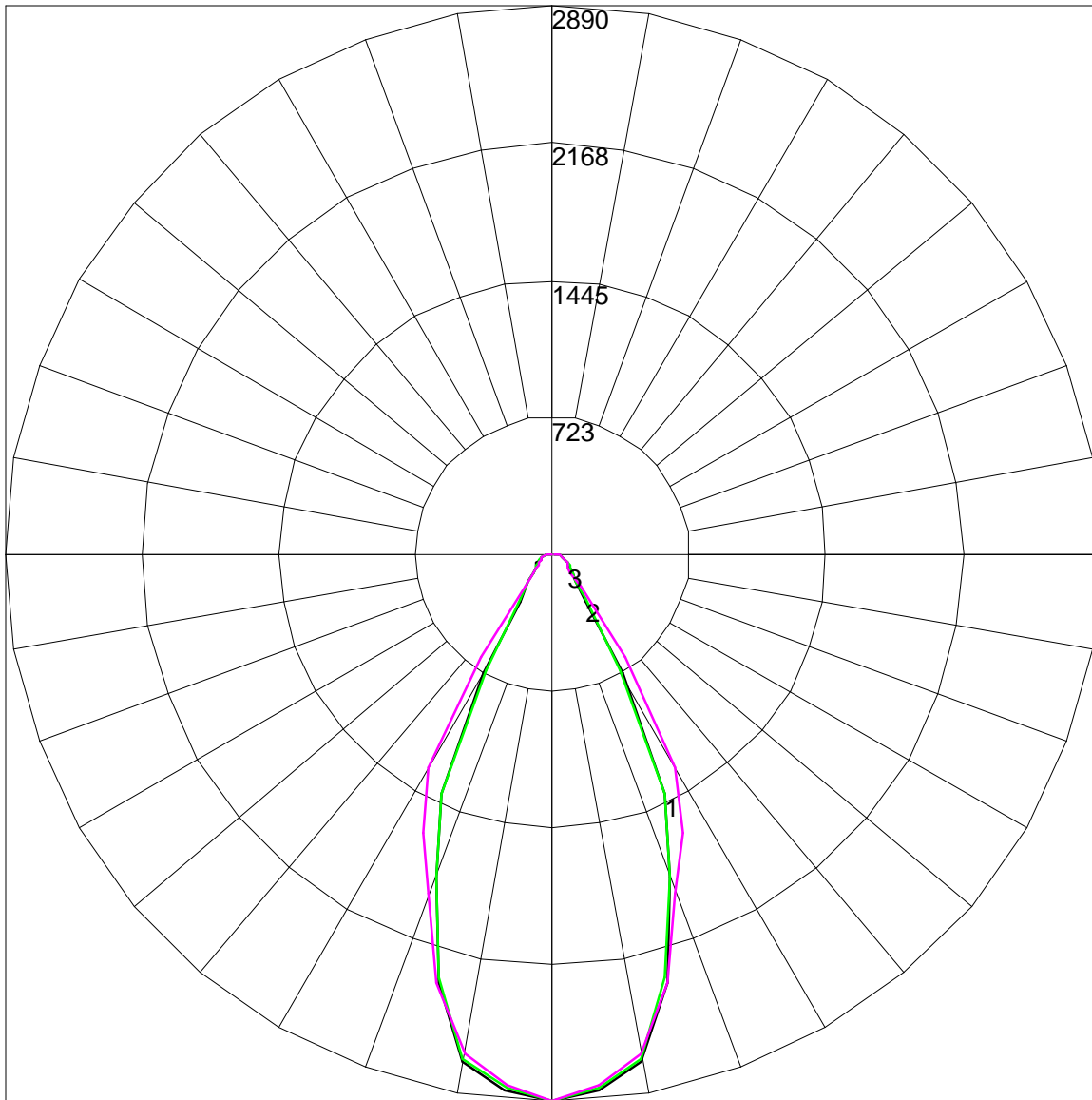
IES INDOOR REPORT
PHOTOMETRIC FILENAME : SDXX4XT-30LXXKXWE1-SD4XMWSOX.IES

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	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	94	92
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78
4	95	87	81	77	94	86	81	76	84	79	76	82	78	75	80	77	74	72
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	67
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63
7	82	72	66	62	81	72	66	62	70	65	61	69	64	61	68	64	61	59
8	78	68	62	58	77	68	62	58	67	61	58	66	61	57	65	60	57	56
9	75	65	59	55	73	64	59	55	63	58	54	62	58	54	62	57	54	53
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50

POLAR GRAPH



Maximum Candela = 2890.068 Located At Horizontal Angle = 0, Vertical Angle = 0

- # 1 - Vertical Plane Through Horizontal Angles (0 - 180)
- # 2 - Vertical Plane Through Horizontal Angles (90 - 270)
- # 3 - Vertical Plane Through Horizontal Angles (45 - 225)