

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDXX4XT-10LXXKXNE1-SD4XMWGLX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2015.1.1 see: www.ltioptics.com/ies

[ISSUE DATE]

[TEST DATE] Fri Aug 05 2016

[UPDATE] Thu Sep 29 2016

[TEST] SP-00487\_4\_M-10L

[MANUFAC] Spectrum Lighting

[LUMCAT] SDxx4XT-10L-xxK-XN-E1-SD4x-MW-GLX

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

[TRIM] Matte White, regressed clear glass Lens

[LAMP] N/A, 9mm, Min. 83 CRI

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] For Housings: SDFI4, SDFO4, SDZI4, 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 20L

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	641
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	43
Total Luminaire Watts	14.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.20
Spacing Criterion (90-270)	0.20
Spacing Criterion (Diagonal)	0.22
Basic Luminous Shape	Point
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.00 ft
Luminous Height	0.00 ft

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SDXX4XT-10LXXKXNE1-SD4XMWGLX.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	0	0	0
55	0	0	0
65	0	0	0
75	0	0	0
85	0	0	0

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : SDXX4XT-10LXXKXNE1-SD4XMWGLX.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	7807.931	7807.931	7807.931	7807.931	7807.931
<b>5</b>	4358.147	4379.112	4402.571	4405.736	4462.493
<b>10</b>	658.646	864.003	1058.171	915.495	762.804
<b>15</b>	295.140	302.537	313.167	297.138	296.800
<b>20</b>	242.799	246.693	248.613	244.116	239.161
<b>25</b>	211.620	215.798	225.434	217.704	211.924
<b>30</b>	178.626	187.635	194.254	184.725	179.982
<b>35</b>	121.276	130.536	134.265	130.864	125.112
<b>40</b>	18.653	22.393	24.641	22.456	19.662
<b>45</b>	5.742	6.326	6.432	6.007	5.747
<b>50</b>	4.468	4.999	5.375	4.859	4.685
<b>55</b>	4.067	4.386	4.569	4.323	3.566
<b>60</b>	3.397	3.826	4.338	3.821	3.913
<b>65</b>	3.445	3.720	3.667	3.648	3.373
<b>70</b>	3.093	3.228	3.170	3.320	3.392
<b>75</b>	2.142	2.538	2.605	2.630	2.692
<b>80</b>	1.515	1.795	1.814	1.882	1.829
<b>85</b>	0.970	1.042	0.960	1.061	0.801
<b>90</b>	0.207	0.270	0.212	0.246	0.289

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDXX4XT-10LXXKXNE1-SD4XMWGLX.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	450.71	N.A.	70.30
0-30	550.39	N.A.	85.90
0-40	622.29	N.A.	97.10
0-60	633.66	N.A.	98.90
0-80	639.90	N.A.	99.80
0-90	640.99	N.A.	100.00
10-90	305.94	N.A.	47.70
20-40	171.58	N.A.	26.80
20-50	179.06	N.A.	27.90
40-70	14.94	N.A.	2.30
60-80	6.24	N.A.	1.00
70-80	2.67	N.A.	0.40
80-90	1.09	N.A.	0.20
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	640.99	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	335.05
10-20	115.65
20-30	99.68
30-40	71.90
40-50	7.48
50-60	3.90
60-70	3.56
70-80	2.67
80-90	1.09
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

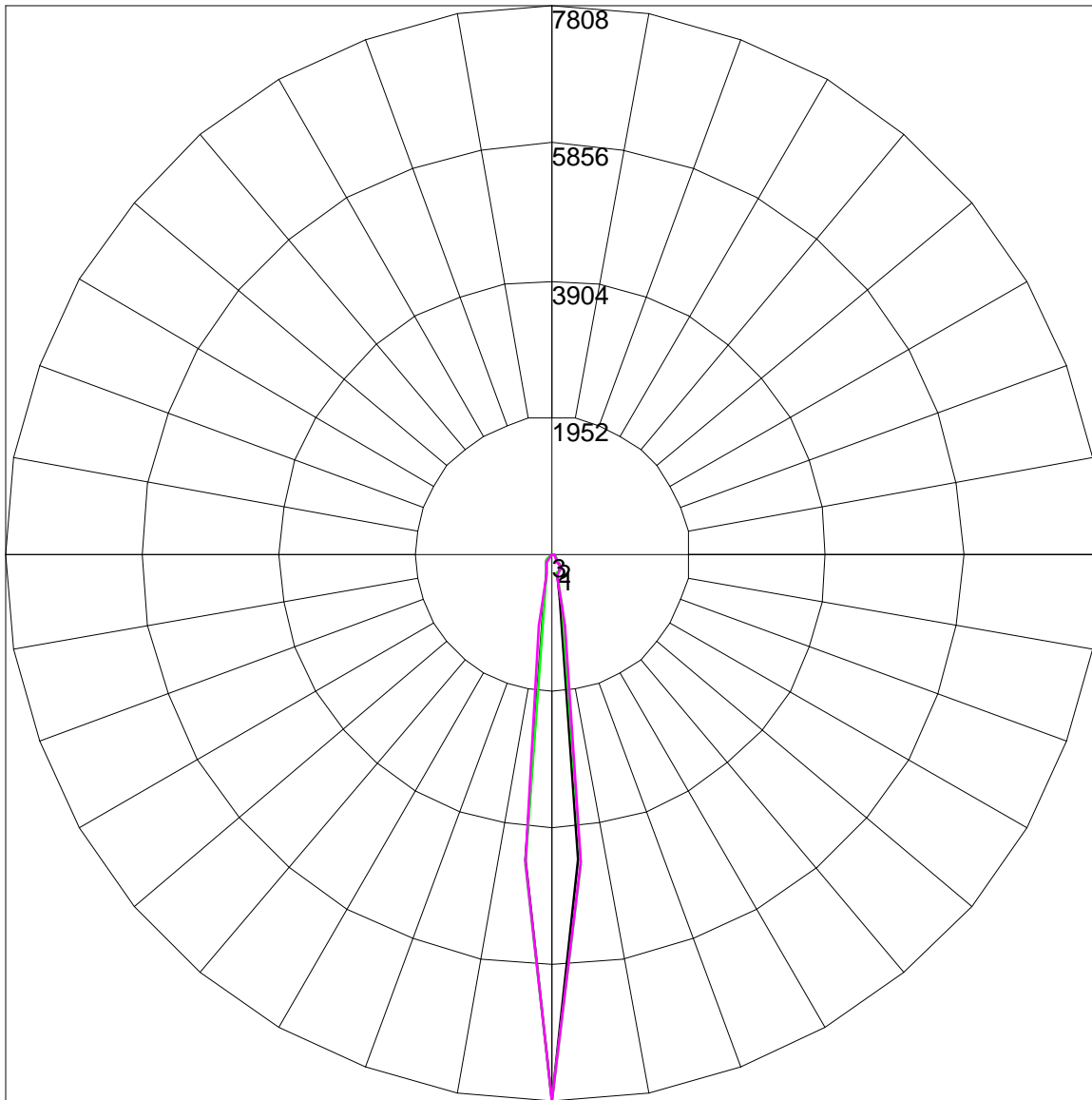
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : SDXX4XT-10LXXKXNE1-SD4XMWGLX.IES**

**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	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96
2	111	107	104	102	109	106	103	101	103	100	98	100	98	96	97	96	94	93
3	108	103	99	96	106	101	98	95	99	96	94	97	94	93	95	93	91	90
4	104	99	95	92	103	98	94	91	96	93	90	94	91	89	92	90	88	87
5	101	95	91	88	100	94	91	88	93	90	87	91	89	86	90	88	86	85
6	98	92	88	85	97	92	88	85	90	87	84	89	86	84	88	85	83	82
7	96	89	85	82	95	89	85	82	88	84	82	87	84	81	86	83	81	80
8	93	87	83	80	92	86	83	80	86	82	80	85	82	79	84	81	79	78
9	91	85	81	78	90	84	81	78	84	80	78	83	80	77	82	79	77	76
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75

POLAR GRAPH



Maximum Candela = 7807.931 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)