

IES INDOOR REPORT**PHOTOMETRIC FILENAME : GP---1014LEDXT-30LXXKE1.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Oct 05 2015

[UPDATE] Feb 24 2016

[TEST] SP-00393_12

[MANUFAC] Spectrum Lighting

[LUMCAT] GP---1014LEDXT-30L-xxK-E1

[LUMINAIRE] Nominal 10" diam. Molded White Glass, Pendant

[OTHER] Open aperture, fully regressed open LED

[LAMP] N/A Min. 83 CRI

[LAMPCAT] N/A

[OTHER] This data applicable to: GPEXT1014LEDXT-series and GP1014LEDXT-series

[OTHER] Total Luminaire Watts is approximate

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

[OTHER] This report prepared by Spectrum Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2740
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	32.6
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	0.58
Spacing Criterion (90-270)	0.58
Spacing Criterion (Diagonal)	0.72
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.93 ft (Diameter)
Luminous Width (90-270)	0.93 ft (Diameter)
Luminous Height	0.79 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1740	1732	1779
55	1429	1404	1443
65	1482	1469	1461
75	1568	1582	1563
85	1714	1747	1738

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2508.38	2508.38	2508.38	2508.38	2508.38
5	2309.06	2312.27	2295.64	2306.08	2300.44
10	1866.47	1857.87	1841.71	1838.30	1843.88
15	1476.51	1469.82	1477.72	1475.95	1483.89
20	1170.34	1174.22	1166.98	1172.25	1167.86
25	1119.74	1117.09	1121.65	1120.89	1122.32
30	481.48	479.15	480.41	482.84	485.33
35	202.49	201.88	206.01	204.12	204.72
40	191.19	188.20	189.30	188.77	188.35
45	160.67	159.94	160.00	158.00	164.29
50	132.37	130.69	132.07	131.70	132.02
55	130.93	128.75	128.64	129.69	132.22
60	128.84	128.11	130.24	130.30	129.55
65	130.60	131.32	129.48	129.72	128.77
70	128.03	128.17	129.79	126.96	127.94
75	128.51	130.65	129.69	128.03	128.17
80	129.13	128.43	129.40	129.68	128.80
85	125.64	127.35	128.09	129.13	127.43
90	126.85	131.07	128.52	129.34	129.27
95	135.83	136.32	135.39	133.87	136.88
100	140.99	140.69	139.89	142.40	139.56
105	144.05	146.62	146.05	145.38	146.01
110	147.63	150.16	146.67	146.46	148.14
115	150.18	149.45	149.80	150.24	149.33
120	147.34	148.41	148.30	149.43	147.15
125	147.01	149.60	147.77	147.47	147.56
130	144.61	147.70	146.66	143.59	143.00
135	141.88	144.34	141.31	144.08	141.67
140	137.60	136.35	135.58	139.27	135.41
145	128.99	128.66	135.35	134.67	129.82
150	122.10	122.14	119.84	123.84	120.86
155	114.51	117.78	118.53	110.90	113.46
160	103.11	107.07	105.88	105.96	108.67
165	97.82	101.25	97.64	98.95	98.14
170	88.22	88.50	87.15	90.46	96.20
175	83.65	91.26	90.54	88.34	85.13
180	95.53	95.53	95.53	95.53	95.53

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	621.40	N.A.	22.70
0-30	1064.35	N.A.	38.90
0-40	1230.83	N.A.	44.90
0-60	1471.15	N.A.	53.70
0-80	1736.03	N.A.	63.40
0-90	1876.21	N.A.	68.50
10-90	1670.1	N.A.	61.00
20-40	609.43	N.A.	22.20
20-50	733.02	N.A.	26.80
40-70	368.80	N.A.	13.50
60-80	264.88	N.A.	9.70
70-80	136.39	N.A.	5.00
80-90	140.18	N.A.	5.10
90-110	300.98	N.A.	11.00
90-120	448.81	N.A.	16.40
90-130	581.13	N.A.	21.20
90-150	773.45	N.A.	28.20
90-180	863.36	N.A.	31.50
110-180	562.38	N.A.	20.50
0-180	2739.56	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	206.10
10-20	415.30
20-30	442.95
30-40	166.48
40-50	123.60
50-60	116.72
60-70	128.49
70-80	136.39
80-90	140.18
90-100	147.56
100-110	153.41
110-120	147.84
120-130	132.32
130-140	110.07
140-150	82.25
150-160	53.24
160-170	28.09
170-180	8.58

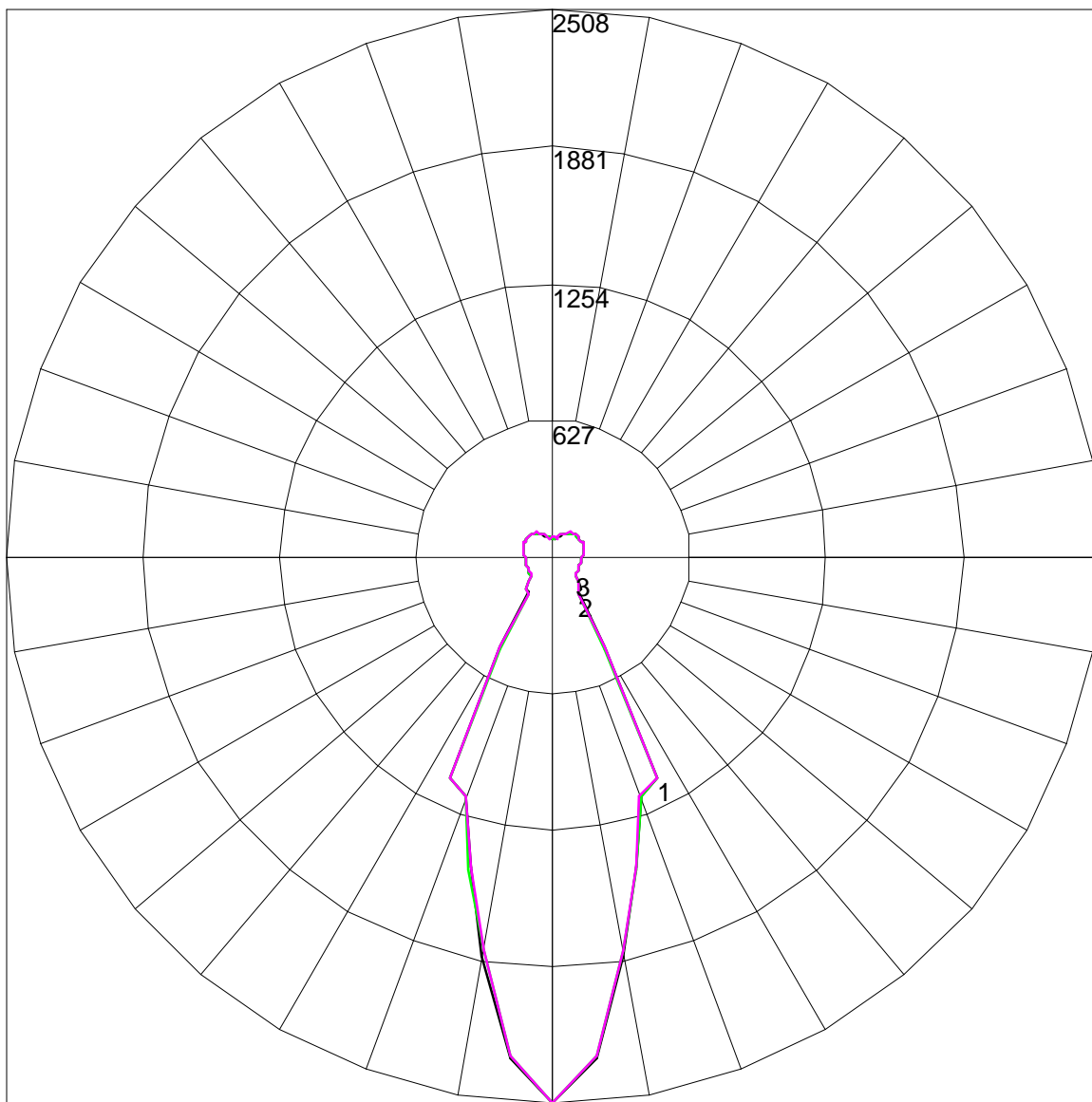
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	112	112	112	112	105	105	105	105	94	94	94	83	83	83	73	73	73	68
1	101	97	93	89	96	92	88	85	82	79	76	72	70	68	64	62	61	57
2	94	86	80	75	88	82	76	72	73	69	65	65	62	59	58	56	54	50
3	87	78	71	65	82	74	68	63	67	62	58	60	56	53	54	51	48	45
4	81	71	63	58	76	67	61	56	61	56	52	55	51	48	50	47	44	41
5	76	65	57	52	72	62	55	50	57	51	47	51	47	44	47	43	40	38
6	71	60	52	47	67	57	51	46	53	47	43	48	44	40	44	40	37	35
7	67	56	48	43	63	53	47	42	49	44	40	45	41	37	41	38	35	33
8	63	52	45	40	60	50	43	39	46	41	37	43	38	35	39	36	33	31
9	60	49	42	37	57	47	40	36	43	38	34	40	36	33	37	34	31	29
10	57	46	39	35	54	44	38	34	41	36	32	38	34	31	35	32	29	28

POLAR GRAPH



Maximum Candela = 2508.38 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)