

IES INDOOR REPORT**PHOTOMETRIC FILENAME : GP---1014LEDXT-40LXXKE1.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUE DATE]

[TEST DATE] Oct 29 2015

[UPDATE] Feb 24 2016

[TEST] SP-00393_16

[MANUFAC] Spectrum Lighting

[LUMCAT] GP---1014LEDXT-40L-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	3517
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	37.9
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	2217	2211	2235
55	1873	1812	1823
65	1883	1853	1869
75	1993	2037	2045
85	2229	2279	2253

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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	3237.01	3237.01	3237.01	3237.01	3237.01
5	2949.32	2973.37	2970.03	2941.90	3006.26
10	2396.23	2402.36	2390.56	2387.87	2390.87
15	1874.16	1904.02	1889.22	1887.78	1882.05
20	1499.81	1503.02	1501.74	1496.55	1511.12
25	1437.44	1441.74	1433.97	1440.72	1436.67
30	614.29	618.77	615.10	615.30	616.44
35	263.48	263.25	261.15	262.71	264.84
40	241.13	241.69	237.60	243.04	246.21
45	204.80	202.74	204.18	206.02	206.38
50	171.25	167.26	167.17	167.81	170.77
55	171.67	166.08	166.11	167.86	167.10
60	168.78	168.01	166.87	166.41	166.17
65	165.97	166.81	163.38	165.34	164.79
70	165.88	165.30	166.75	163.36	164.90
75	163.35	165.26	166.98	166.77	167.67
80	165.51	165.65	168.57	163.37	163.91
85	163.44	165.71	167.08	164.03	165.17
90	168.05	165.38	165.25	167.07	165.52
95	171.70	169.86	173.76	173.15	175.59
100	177.55	178.86	179.21	181.46	182.39
105	185.58	185.53	186.29	183.33	188.81
110	187.86	190.29	190.41	188.21	188.27
115	189.76	189.65	190.73	193.11	192.03
120	195.48	190.48	189.44	190.76	189.89
125	190.32	191.49	188.12	190.76	191.74
130	187.08	185.51	187.54	186.30	189.26
135	179.84	184.05	183.06	182.66	181.80
140	176.61	176.98	178.59	174.99	174.29
145	165.58	167.26	168.09	165.90	169.57
150	156.99	161.35	160.32	158.18	159.70
155	151.55	149.86	149.38	147.71	150.87
160	135.10	135.34	141.44	139.17	136.17
165	130.35	128.87	126.30	126.27	130.06
170	113.22	116.53	116.95	113.84	112.01
175	112.86	119.76	120.66	118.71	120.26
180	119.71	119.71	119.71	119.71	119.71

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	799.46	N.A.	22.70
0-30	1367.82	N.A.	38.90
0-40	1581.4	N.A.	45.00
0-60	1889.68	N.A.	53.70
0-80	2229.51	N.A.	63.40
0-90	2410.16	N.A.	68.50
10-90	2144.28	N.A.	61.00
20-40	781.93	N.A.	22.20
20-50	939.90	N.A.	26.70
40-70	472.76	N.A.	13.40
60-80	339.84	N.A.	9.70
70-80	175.36	N.A.	5.00
80-90	180.64	N.A.	5.10
90-110	384.28	N.A.	10.90
90-120	573.44	N.A.	16.30
90-130	743.57	N.A.	21.10
90-150	990.20	N.A.	28.20
90-180	1107.00	N.A.	31.50
110-180	722.72	N.A.	20.50
0-180	3517.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	265.87
10-20	533.59
20-30	568.36
30-40	213.57
40-50	157.96
50-60	150.32
60-70	164.48
70-80	175.36
80-90	180.64
90-100	188.52
100-110	195.76
110-120	189.15
120-130	170.13
130-140	141.17
140-150	105.46
150-160	69.26
160-170	36.31
170-180	11.22

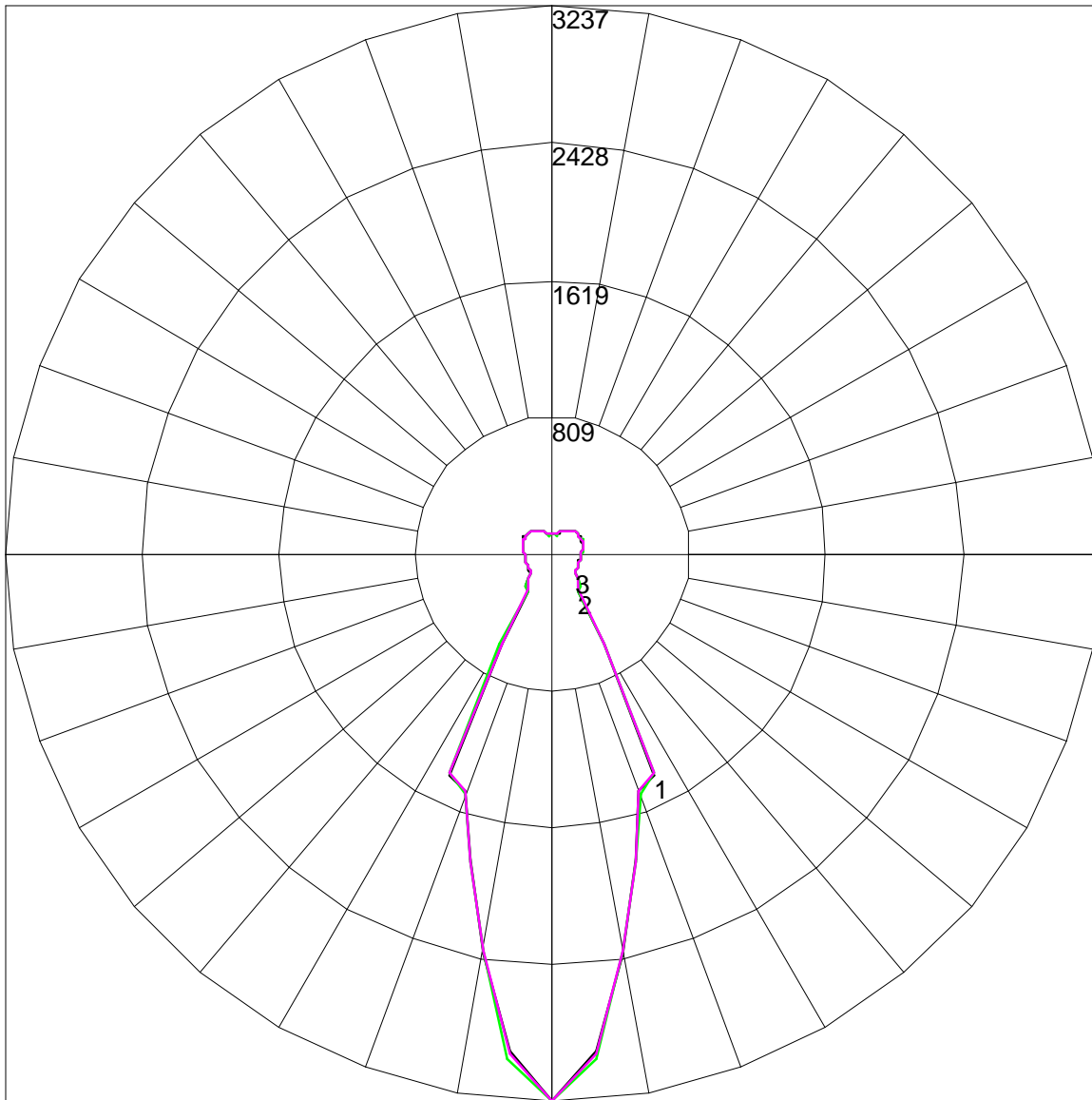
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	69
1	102	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	38	35
7	67	56	48	43	64	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	41	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	36	32	29	28

POLAR GRAPH



Maximum Candela = 3237.01 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)