

IES INDOOR REPORT**PHOTOMETRIC FILENAME : GP---1014LEDXT-10LXXKE1.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_M-10L

[MANUFAC] Spectrum Lighting

[LUMCAT] GP---1014LEDXT-10L-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, scaled from 30L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	881
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	9.1
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GP---1014LEDXT-10LXXKE1.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	560	557	572
55	460	452	464
65	477	473	470
75	504	509	503
85	551	562	559

IES INDOOR REPORT
 PHOTOMETRIC FILENAME : GP---1014LEDXT-10LXXKE1.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	806.946	806.946	806.946	806.946	806.946
5	742.825	743.857	738.507	741.866	740.052
10	600.443	597.677	592.478	591.381	593.176
15	474.993	472.841	475.383	474.813	477.367
20	376.498	377.747	375.417	377.113	375.701
25	360.220	359.368	360.835	360.590	361.050
30	154.892	154.143	154.548	155.330	156.131
35	65.141	64.945	66.273	65.665	65.858
40	61.506	60.544	60.898	60.727	60.592
45	51.688	51.453	51.472	50.829	52.852
50	42.583	42.043	42.487	42.368	42.471
55	42.120	41.419	41.383	41.721	42.535
60	41.448	41.213	41.898	41.918	41.676
65	42.014	42.246	41.654	41.731	41.425
70	41.187	41.232	41.753	40.843	41.158
75	41.342	42.030	41.721	41.187	41.232
80	41.541	41.316	41.628	41.718	41.435
85	40.418	40.968	41.207	41.541	40.994
90	40.808	42.165	41.345	41.609	41.586
95	43.697	43.854	43.555	43.066	44.034
100	45.356	45.260	45.003	45.810	44.896
105	46.341	47.168	46.984	46.769	46.971
110	47.493	48.306	47.184	47.116	47.657
115	48.313	48.078	48.191	48.332	48.039
120	47.399	47.743	47.708	48.072	47.338
125	47.293	48.126	47.538	47.441	47.470
130	46.521	47.515	47.181	46.193	46.003
135	45.643	46.434	45.459	46.351	45.575
140	44.266	43.864	43.616	44.803	43.561
145	41.496	41.390	43.542	43.323	41.763
150	39.280	39.292	38.553	39.839	38.881
155	36.838	37.890	38.131	35.677	36.500
160	33.170	34.444	34.062	34.087	34.959
165	31.469	32.572	31.411	31.832	31.572
170	28.380	28.470	28.036	29.101	30.948
175	26.910	29.358	29.127	28.419	27.386
180	30.732	30.732	30.732	30.732	30.732

IES INDOOR REPORT
PHOTOMETRIC FILENAME : GP---1014LEDXT-10LXXKE1.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	199.91	N.A.	22.70
0-30	342.40	N.A.	38.90
0-40	395.96	N.A.	44.90
0-60	473.27	N.A.	53.70
0-80	558.48	N.A.	63.40
0-90	603.58	N.A.	68.50
10-90	537.27	N.A.	61.00
20-40	196.05	N.A.	22.20
20-50	235.81	N.A.	26.80
40-70	118.64	N.A.	13.50
60-80	85.21	N.A.	9.70
70-80	43.88	N.A.	5.00
80-90	45.10	N.A.	5.10
90-110	96.82	N.A.	11.00
90-120	144.38	N.A.	16.40
90-130	186.95	N.A.	21.20
90-150	248.82	N.A.	28.20
90-180	277.74	N.A.	31.50
110-180	180.92	N.A.	20.50
0-180	881.32	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	66.30
10-20	133.60
20-30	142.50
30-40	53.56
40-50	39.76
50-60	37.55
60-70	41.33
70-80	43.88
80-90	45.10
90-100	47.47
100-110	49.35
110-120	47.56
120-130	42.57
130-140	35.41
140-150	26.46
150-160	17.13
160-170	9.04
170-180	2.76

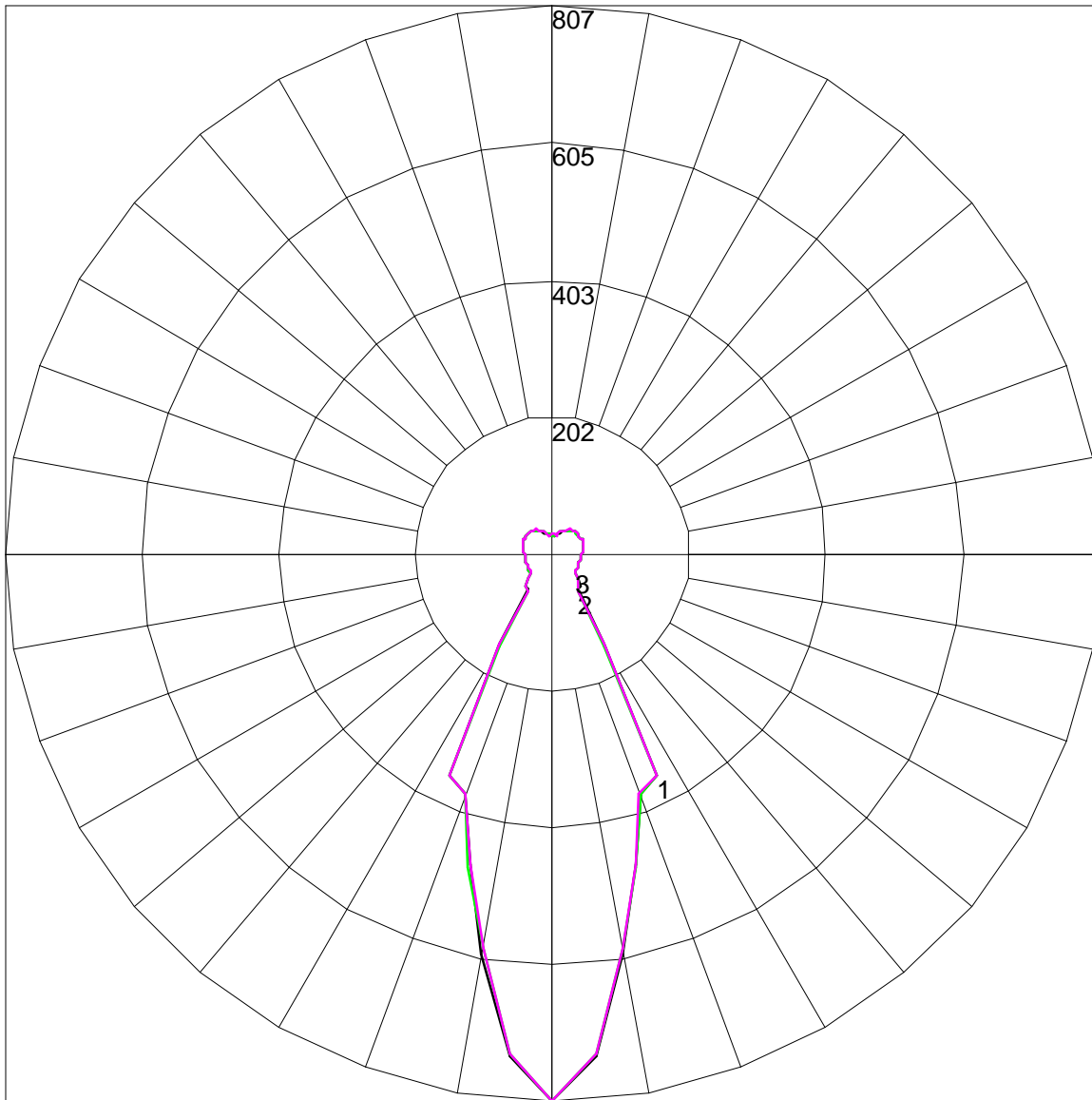
IES INDOOR REPORT
PHOTOMETRIC FILENAME : GP---1014LEDXT-10LXXKE1.IES

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	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	37	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	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 = 806.946 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)