

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : GP---1014LEDXT-13LXXKE1.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Oct 05 2015

[UPDATE] Feb 24 2016

[TEST] SP-00393\_12\_M-13L

[MANUFAC] Spectrum Lighting

[LUMCAT] GP---1014LEDXT-13L-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	1187
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	13
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	754	751	771
55	619	608	625
65	642	636	633
75	679	685	677
85	743	757	753

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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>
<b>0</b>	1086.881	1086.881	1086.881	1086.881	1086.881
<b>5</b>	1000.516	1001.907	994.701	999.224	996.781
<b>10</b>	808.741	805.015	798.013	796.535	798.953
<b>15</b>	639.772	636.873	640.296	639.529	642.970
<b>20</b>	507.108	508.790	505.652	507.936	506.034
<b>25</b>	485.183	484.035	486.011	485.682	486.301
<b>30</b>	208.625	207.616	208.162	209.215	210.293
<b>35</b>	87.739	87.475	89.264	88.445	88.705
<b>40</b>	82.843	81.547	82.024	81.794	81.612
<b>45</b>	69.618	69.302	69.328	68.461	71.187
<b>50</b>	57.356	56.628	57.226	57.066	57.204
<b>55</b>	56.732	55.787	55.740	56.195	57.291
<b>60</b>	55.826	55.510	56.433	56.459	56.134
<b>65</b>	56.589	56.901	56.104	56.208	55.796
<b>70</b>	55.475	55.536	56.238	55.012	55.436
<b>75</b>	55.683	56.611	56.195	55.475	55.536
<b>80</b>	55.952	55.649	56.069	56.190	55.809
<b>85</b>	54.440	55.181	55.501	55.952	55.215
<b>90</b>	54.964	56.793	55.688	56.043	56.013
<b>95</b>	58.855	59.067	58.664	58.006	59.310
<b>100</b>	61.091	60.961	60.614	61.702	60.471
<b>105</b>	62.417	63.530	63.283	62.993	63.266
<b>110</b>	63.968	65.064	63.552	63.461	64.189
<b>115</b>	65.073	64.757	64.908	65.099	64.705
<b>120</b>	63.842	64.306	64.258	64.748	63.760
<b>125</b>	63.699	64.822	64.029	63.899	63.938
<b>130</b>	62.660	63.998	63.548	62.218	61.962
<b>135</b>	61.477	62.543	61.230	62.430	61.386
<b>140</b>	59.622	59.080	58.747	60.346	58.673
<b>145</b>	55.891	55.748	58.647	58.353	56.251
<b>150</b>	52.906	52.923	51.927	53.660	52.369
<b>155</b>	49.617	51.034	51.359	48.053	49.162
<b>160</b>	44.678	46.393	45.878	45.912	47.087
<b>165</b>	42.385	43.872	42.307	42.875	42.524
<b>170</b>	38.226	38.347	37.762	39.196	41.683
<b>175</b>	36.246	39.543	39.231	38.278	36.887
<b>180</b>	41.393	41.393	41.393	41.393	41.393

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	269.25	N.A.	22.70
0-30	461.18	N.A.	38.90
0-40	533.32	N.A.	44.90
0-60	637.45	N.A.	53.70
0-80	752.22	N.A.	63.40
0-90	812.96	N.A.	68.50
10-90	723.66	N.A.	61.00
20-40	264.06	N.A.	22.20
20-50	317.62	N.A.	26.80
40-70	159.80	N.A.	13.50
60-80	114.77	N.A.	9.70
70-80	59.10	N.A.	5.00
80-90	60.74	N.A.	5.10
90-110	130.41	N.A.	11.00
90-120	194.47	N.A.	16.40
90-130	251.80	N.A.	21.20
90-150	335.14	N.A.	28.20
90-180	374.09	N.A.	31.50
110-180	243.68	N.A.	20.50
0-180	1187.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	89.30
10-20	179.95
20-30	191.93
30-40	72.13
40-50	53.55
50-60	50.57
60-70	55.67
70-80	59.10
80-90	60.74
90-100	63.94
100-110	66.47
110-120	64.06
120-130	57.33
130-140	47.69
140-150	35.64
150-160	23.07
160-170	12.17
170-180	3.72

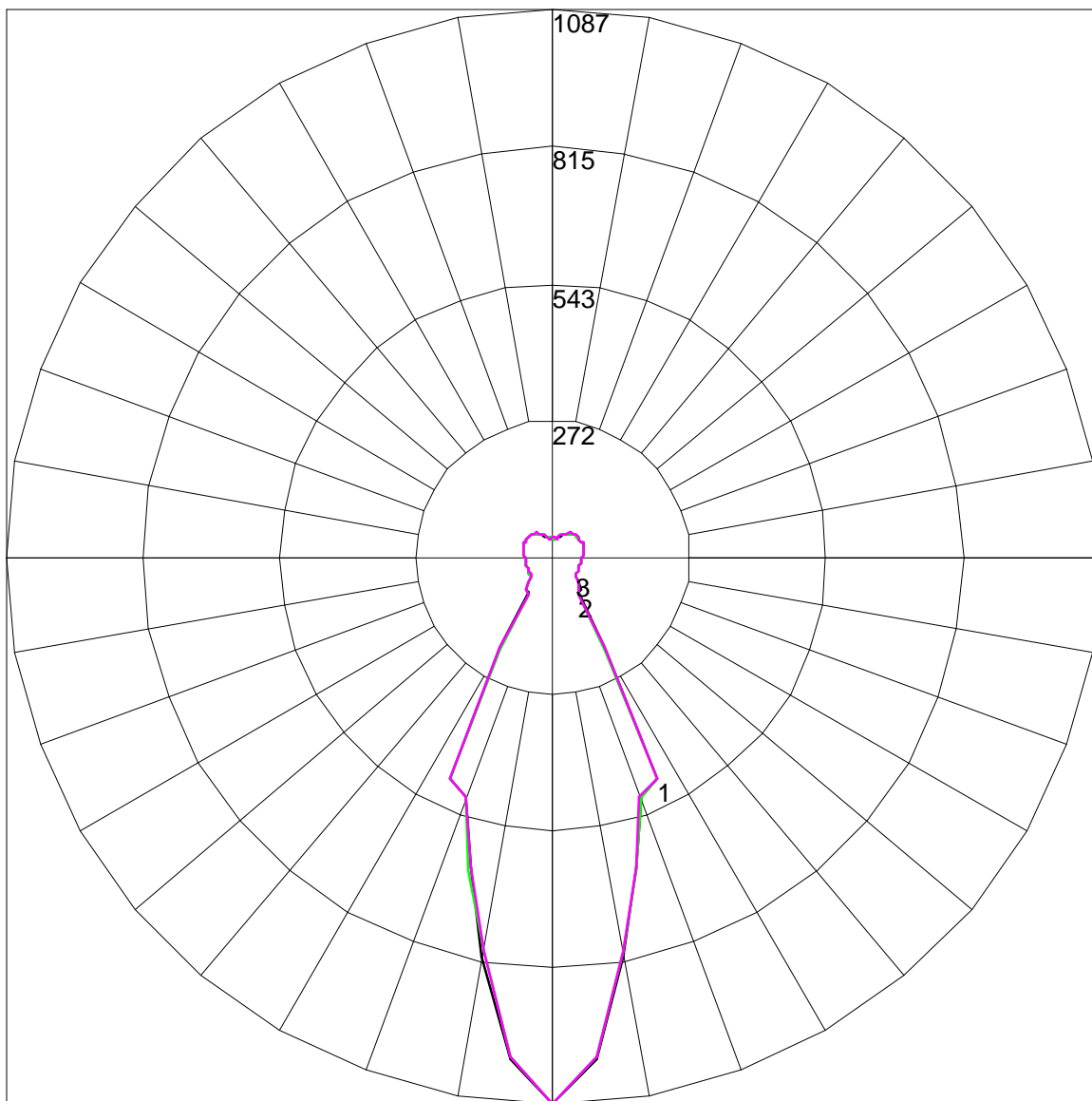
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 1086.881 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)