

IES INDOOR REPORT**PHOTOMETRIC FILENAME : DP12LEDXT-13LXXKEX-XXXX-XX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] SP-00557_M-13L
[TESTLAB] VLS-245-981
[MANUFAC] Spectrum Lighting
[ISSUE DATE] 4/25/2017
[UPDATE] 5/3/2017
[LUMINAIRE] 11.5" diam. x 14.6" high, curved profile, white glass pendant
[LUMCAT] DP12LEDXT-13L-xxK-EX-xxxx-xx
[OTHER] Matte white glass, Open aperture
[OTHER] Fully regressed LED module
[OTHER] 68.6 Degree Beam Angle
[LAMP] N/A, Min. 83 CRI
[LAMPCAT] N/A
[OTHER] Total Luminaire Watts is approximate
[OTHER] For adjacent LED driver compartment: RDC5 or CP13
[OTHER] For mounting hardware: CD, HM, HMAT, or PM
[OTHER] Xicato LED lumen output is the same for all available color temperatures
[OTHER] This report generated by Spectrum Lighting, scaled from 30L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1152
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.16
Spacing Criterion (Diagonal)	0.98
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.96 ft (Diameter)
Luminous Width (90-270)	0.96 ft (Diameter)
Luminous Height	0.72 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1056	1076	1111
55	804	824	843
65	644	655	679
75	561	571	583
85	521	534	553

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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>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0	636.419	636.419	636.419	636.419	636.419	636.419	636.419	636.419	636.419	636.419
5	627.040	629.504	628.415	630.236	629.259	630.236	628.415	629.504	627.040	629.504
10	611.901	613.063	613.013	612.698	612.183	612.698	613.013	613.063	611.901	613.063
15	589.118	590.467	589.311	589.917	587.895	589.917	589.311	590.467	589.118	590.467
20	556.036	559.658	557.769	559.871	556.681	559.871	557.769	559.658	556.036	559.658
25	523.546	527.297	526.010	528.047	525.198	528.047	526.010	527.297	523.546	527.297
30	494.722	496.784	495.741	492.370	495.943	492.370	495.741	496.784	494.722	496.784
35	279.543	290.516	265.538	308.871	277.125	308.871	265.538	290.516	279.543	290.516
40	119.030	130.003	127.954	123.720	125.218	123.720	127.954	130.003	119.030	130.003
45	98.266	99.490	100.116	102.383	103.390	102.383	100.116	99.490	98.266	99.490
50	85.143	87.308	86.672	89.613	89.541	89.613	86.672	87.308	85.143	87.308
55	73.390	75.904	75.191	76.998	76.934	76.998	75.191	75.904	73.390	75.904
60	64.431	65.103	64.903	66.080	65.789	66.080	64.903	65.103	64.431	65.103
65	55.841	57.807	56.753	57.870	58.875	57.870	56.753	57.807	55.841	57.807
70	49.411	51.338	50.906	51.593	50.953	51.593	50.906	51.338	49.411	51.338
75	44.620	45.726	45.368	46.429	46.385	46.429	45.368	45.726	44.620	45.726
80	40.347	41.379	42.091	42.062	41.269	42.062	42.091	41.379	40.347	41.379
85	36.383	36.895	37.328	38.352	38.669	38.352	37.328	36.895	36.383	36.895
90	33.814	35.330	35.485	36.509	36.637	36.509	35.485	35.330	33.814	35.330
95	35.841	36.872	38.112	37.412	38.395	37.412	38.112	36.872	35.841	36.872
100	37.432	39.357	40.250	41.464	40.996	41.464	40.250	39.357	37.432	39.357
105	39.700	40.245	42.097	42.116	42.566	42.116	42.097	40.245	39.700	40.245
110	41.395	42.583	44.096	44.621	44.360	44.621	44.096	42.583	41.395	42.583
115	41.776	43.885	44.987	45.826	46.064	45.826	44.987	43.885	41.776	43.885
120	41.133	43.145	45.556	47.269	45.806	47.269	45.556	43.145	41.133	43.145
125	35.604	40.636	45.546	47.279	44.001	47.279	45.546	40.636	35.604	40.636
130	24.700	30.047	42.402	47.676	42.482	47.676	42.402	30.047	24.700	30.047
135	13.734	20.054	34.838	44.873	39.561	44.873	34.838	20.054	13.734	20.054
140	5.720	9.656	23.981	36.342	34.499	36.342	23.981	9.656	5.720	9.656
145	2.460	3.689	13.466	25.647	26.214	25.647	13.466	3.689	2.460	3.689
150	1.656	1.898	6.555	15.633	16.745	15.633	6.555	1.898	1.656	1.898
155	1.676	1.753	3.311	7.049	8.250	7.049	3.311	1.753	1.676	1.753
160	1.680	1.814	1.948	2.957	3.109	2.957	1.948	1.814	1.680	1.814
165	1.966	1.717	1.828	2.059	1.514	2.059	1.828	1.717	1.966	1.717
170	1.649	1.561	1.946	2.111	1.760	2.111	1.946	1.561	1.649	1.561
175	1.925	1.935	1.667	1.635	2.019	1.635	1.667	1.935	1.925	1.935
180	1.732	1.732	1.732	1.732	1.732	1.732	1.732	1.732	1.732	1.732

Vert. Angles **Horizontal Angles**

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0	636.419	636.419	636.419	636.419	636.419	636.419	636.419
5	628.415	630.236	629.259	630.236	628.415	629.504	627.040
10	613.013	612.698	612.183	612.698	613.013	613.063	611.901
15	589.311	589.917	587.895	589.917	589.311	590.467	589.118
20	557.769	559.871	556.681	559.871	557.769	559.658	556.036
25	526.010	528.047	525.198	528.047	526.010	527.297	523.546
30	495.741	492.370	495.943	492.370	495.741	496.784	494.722
35	265.538	308.871	277.125	308.871	265.538	290.516	279.543
40	127.954	123.720	125.218	123.720	127.954	130.003	119.030
45	100.116	102.383	103.390	102.383	100.116	99.490	98.266
50	86.672	89.613	89.541	89.613	86.672	87.308	85.143
55	75.191	76.998	76.934	76.998	75.191	75.904	73.390
60	64.903	66.080	65.789	66.080	64.903	65.103	64.431

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CANDELA TABULATION - (Cont.)

65	56.753	57.870	58.875	57.870	56.753	57.807	55.841
70	50.906	51.593	50.953	51.593	50.906	51.338	49.411
75	45.368	46.429	46.385	46.429	45.368	45.726	44.620
80	42.091	42.062	41.269	42.062	42.091	41.379	40.347
85	37.328	38.352	38.669	38.352	37.328	36.895	36.383
90	35.485	36.509	36.637	36.509	35.485	35.330	33.814
95	38.112	37.412	38.395	37.412	38.112	36.872	35.841
100	40.250	41.464	40.996	41.464	40.250	39.357	37.432
105	42.097	42.116	42.566	42.116	42.097	40.245	39.700
110	44.096	44.621	44.360	44.621	44.096	42.583	41.395
115	44.987	45.826	46.064	45.826	44.987	43.885	41.776
120	45.556	47.269	45.806	47.269	45.556	43.145	41.133
125	45.546	47.279	44.001	47.279	45.546	40.636	35.604
130	42.402	47.676	42.482	47.676	42.402	30.047	24.700
135	34.838	44.873	39.561	44.873	34.838	20.054	13.734
140	23.981	36.342	34.499	36.342	23.981	9.656	5.720
145	13.466	25.647	26.214	25.647	13.466	3.689	2.460
150	6.555	15.633	16.745	15.633	6.555	1.898	1.656
155	3.311	7.049	8.250	7.049	3.311	1.753	1.676
160	1.948	2.957	3.109	2.957	1.948	1.814	1.680
165	1.828	2.059	1.514	2.059	1.828	1.717	1.966
170	1.946	2.111	1.760	2.111	1.946	1.561	1.649
175	1.667	1.635	2.019	1.635	1.667	1.935	1.925
180	1.732	1.732	1.732	1.732	1.732	1.732	1.732

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	225.48	N.A.	19.60
0-30	468.53	N.A.	40.70
0-40	652.22	N.A.	56.60
0-60	800.44	N.A.	69.50
0-80	906.40	N.A.	78.70
0-90	947.93	N.A.	82.30
10-90	888.38	N.A.	77.10
20-40	426.74	N.A.	37.00
20-50	506.78	N.A.	44.00
40-70	205.52	N.A.	17.80
60-80	105.96	N.A.	9.20
70-80	48.66	N.A.	4.20
80-90	41.53	N.A.	3.60
90-110	85.04	N.A.	7.40
90-120	129.13	N.A.	11.20
90-130	167.29	N.A.	14.50
90-150	200.93	N.A.	17.40
90-180	203.94	N.A.	17.70
110-180	118.90	N.A.	10.30
0-180	1151.87	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	59.55
10-20	165.93
20-30	243.05
30-40	183.69
40-50	80.04
50-60	68.18
60-70	57.30
70-80	48.66
80-90	41.53
90-100	41.04
100-110	44.00
110-120	44.09
120-130	38.16
130-140	24.17
140-150	9.47
150-160	2.28
160-170	0.56
170-180	0.17

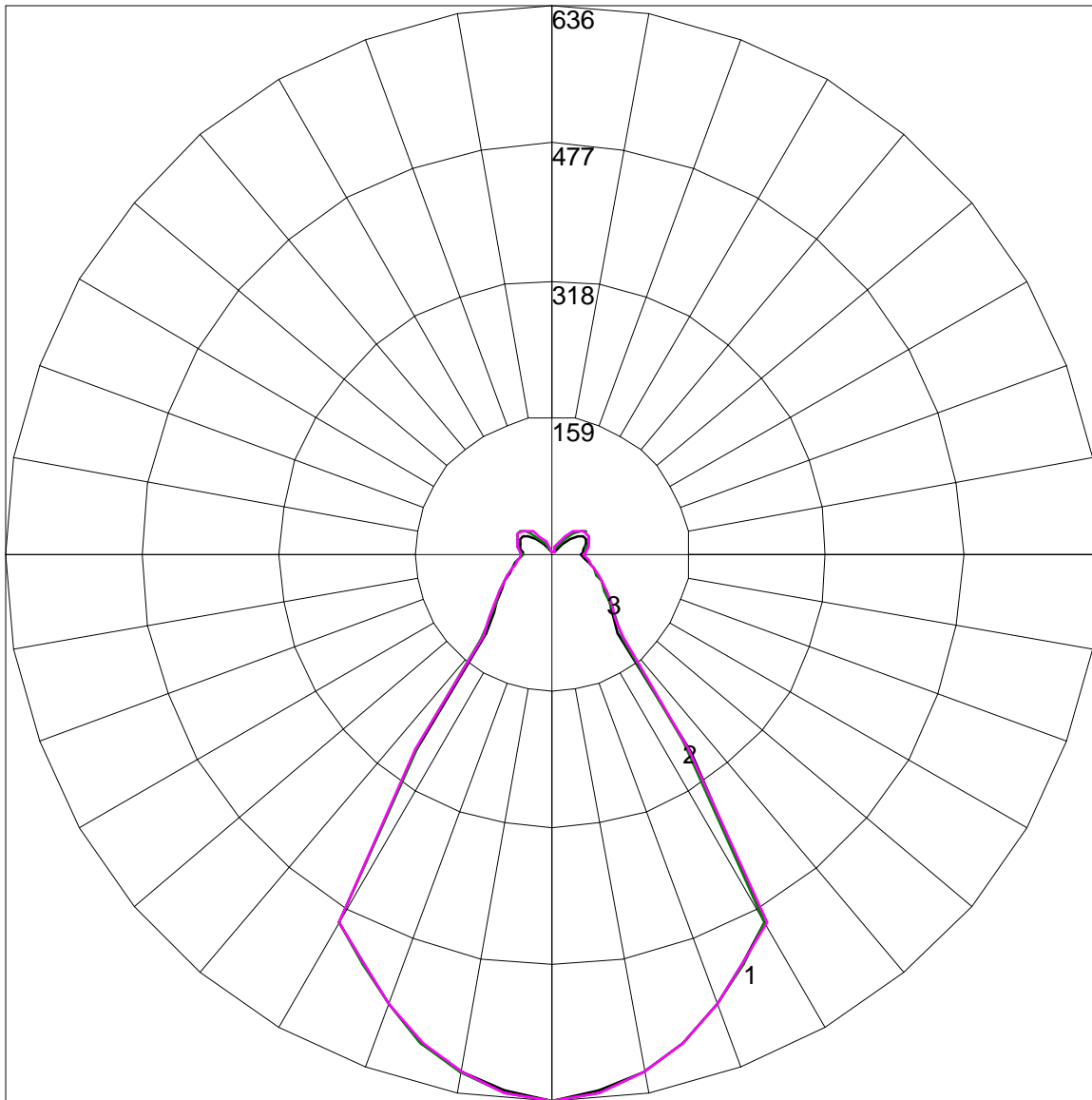
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	82
1	106	101	97	94	101	97	94	91	90	87	85	83	81	79	77	75	74	70
2	98	90	85	80	93	87	82	77	81	77	73	75	72	69	70	67	65	62
3	91	82	75	69	87	79	73	67	73	68	64	68	64	61	64	61	58	55
4	84	74	67	61	81	72	65	60	67	62	57	63	58	54	59	55	52	50
5	79	68	60	55	76	66	59	53	62	56	51	58	53	49	55	51	47	45
6	74	62	55	49	71	60	53	48	57	51	47	54	49	45	51	47	43	41
7	69	58	50	45	66	56	49	44	53	47	43	50	45	41	47	43	40	38
8	65	53	46	41	63	52	45	40	49	43	39	47	42	38	44	40	37	35
9	61	50	42	38	59	48	42	37	46	40	36	44	39	35	42	37	34	32
10	58	46	39	35	56	45	39	34	43	37	33	41	36	33	39	35	32	30

POLAR GRAPH



Maximum Candela = 636.419 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (45 - 225)

3 - Vertical Plane Through Horizontal Angles (90 - 270)