

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P#

Luminaire Tested: **LX6C130D010 EX6C1309730 6LBSQLI**

Issue Date: 2/15/2022



**Test Information**

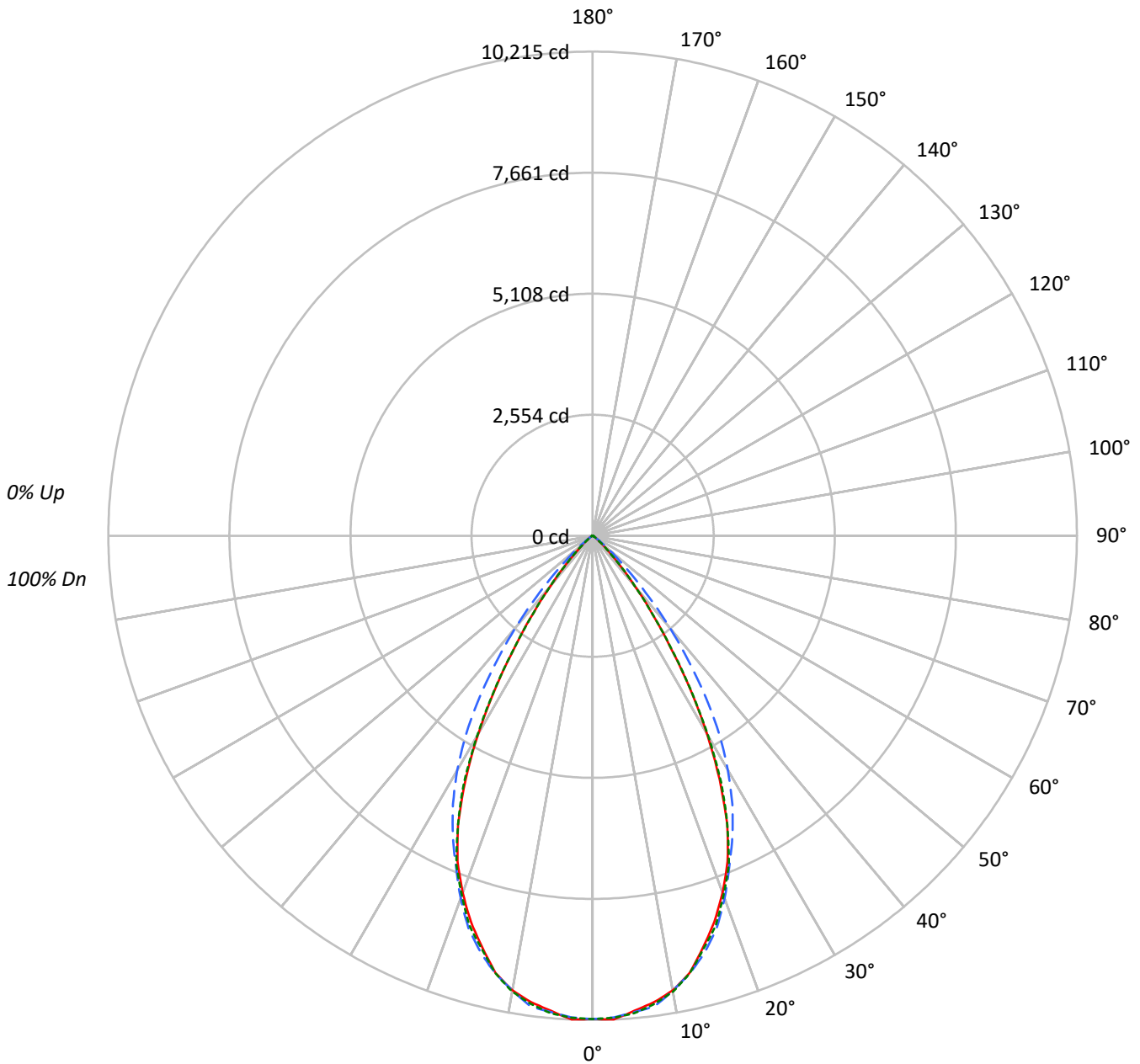
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P209355)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C130D010 EX6C1309730 6LBSQLI  
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 97CRI LEDS  
AND 6LBSQ TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9581.0 lumens  
Efficiency: N/A  
Efficacy: 66.4 lumens/watt  
Spacing Criteria (0/90/45): 0.92 / 0.92 / 0.95  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 144.3  
Input Voltage (V):  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				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	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80			
4	97	89	84	79	95	88	83	79	86	81	78	84	80	77	82	79	76	75			
5	92	83	78	73	90	82	77	73	81	76	72	79	75	72	77	74	71	69			
6	87	78	72	68	86	77	72	67	76	71	67	74	70	67	73	69	66	65			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	56			
9	75	65	59	55	74	64	59	55	64	58	55	63	58	54	62	57	54	53			
10	71	61	55	52	70	61	55	51	60	55	51	59	55	51	59	54	51	50			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	438983	438983	438983
5°	434829	435935	437046
10°	425810	425810	426933
15°	400912	406069	402343
20°	367073	372956	369713
25°	318941	331449	319240
30°	239877	283622	242114
35°	148911	218481	149589
40°	78356	142267	77996
45°	32473	71192	33258
50°	12472	26686	12472
55°	6748	8190	6275
60°	4418	3875	4418
65°	2628	2628	2628
70°	1624	2417	1624
75°	1048	1048	1048
80°	1562	1562	1562
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	954.5	10.0
10°-20°	2539.1	26.5
20°-30°	3116.2	32.5
30°-40°	2151.2	22.5
40°-50°	672.6	7.0
50°-60°	105.0	1.1
60°-70°	30.4	0.3
70°-80°	9.9	0.1
80°-90°	2.2	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	6609.8	69.0
0°-40°	8760.9	91.4
0°-60°	9538.5	99.6
0°-90°	9581.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9581.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	10196	10196	10196	10196	10196	
5°	10061	10099	10086	10090	10112	951
15°	8994	9123	9110	9097	9026	2516
25°	6714	6887	6977	6932	6720	3008
35°	2833	3350	4157	3382	2846	1810
45°	533	729	1169	723	546	478
55°	90	96	109	96	84	87
65°	26	32	26	32	26	28
75°	6	6	6	6	6	9
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	10195.7	10195.7	10195.7	10195.7	10195.7	10195.7	10195.7	10195.7	10195.7	10195.7	10195.7
2.5°	10214.9	10073.5	10163.4	10144.2	10195.7	10227.8	10195.7	10253.3	10214.9	10170.0	10182.9
5°	10060.8	10080.0	10073.5	10086.4	10099.2	10099.2	10163.4	10170.0	10182.9	10086.4	10112.1
7.5°	9925.9	9925.9	9958.0	9945.1	9990.1	9977.2	9983.5	10035.1	10041.4	10015.9	9996.4
10°	9739.5	9713.7	9681.6	9681.6	9739.5	9746.0	9797.3	9803.6	9842.3	9739.5	9752.4
12.5°	9450.5	9437.6	9386.0	9411.8	9456.8	9431.0	9514.6	9520.9	9508.3	9463.3	9488.9
15°	8994.2	9045.7	9032.8	9026.3	9129.1	9116.2	9109.9	9129.1	9135.7	9109.9	9090.7
17.5°	8538.2	8583.1	8589.5	8602.3	8621.6	8641.0	8666.5	8737.3	8711.5	8692.3	8756.5
20°	8011.4	7992.0	8043.5	8094.8	8114.0	8114.0	8152.7	8203.9	8165.5	8139.8	8146.3
22.5°	7439.5	7471.5	7446.0	7497.3	7523.1	7555.2	7593.8	7638.8	7606.7	7536.0	7619.3
25°	6713.6	6732.8	6816.4	6809.9	6848.5	6925.6	6983.4	6983.4	6983.4	6976.9	6976.9
27.5°	5801.3	5788.5	5891.3	5962.0	6058.3	6180.3	6257.4	6379.4	6398.8	6379.4	6334.4
30°	4824.9	4812.0	4940.4	5030.3	5203.9	5261.7	5473.7	5589.4	5711.4	5704.8	5672.8
32.5°	3809.8	3835.3	3938.1	4066.7	4208.0	4387.8	4587.2	4844.1	4953.2	4979.0	4921.1
35°	2833.1	2871.7	2968.0	3077.4	3250.7	3450.0	3726.2	3970.2	4156.7	4156.7	4111.7
37.5°	2043.1	2055.7	2145.7	2216.4	2396.3	2576.2	2813.9	3147.9	3263.6	3308.6	3263.6
40°	1394.1	1394.1	1445.6	1522.7	1670.4	1824.6	2043.1	2293.5	2460.5	2531.2	2454.1
42.5°	886.5	899.4	938.0	989.3	1098.5	1233.4	1400.6	1586.8	1708.9	1760.4	1689.6
45°	533.3	546.2	578.3	616.7	687.4	771.0	886.5	1021.4	1124.2	1169.2	1137.1
47.5°	321.1	334.0	346.9	372.6	423.9	481.8	539.6	616.7	681.1	687.4	674.5
50°	186.2	186.2	199.1	218.5	244.1	276.1	308.5	353.4	372.6	398.4	372.6
52.5°	122.0	122.0	122.0	128.6	141.2	154.1	167.0	192.8	205.6	205.6	199.1
55°	89.9	89.9	89.9	89.9	96.3	96.3	96.3	102.8	109.1	109.1	109.1
57.5°	64.2	64.2	64.2	70.7	70.7	70.7	64.2	64.2	64.2	64.2	64.2
60°	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	45.0	45.0	45.0
62.5°	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
65°	25.8	25.8	25.8	32.1	32.1	32.1	32.1	25.8	25.8	25.8	25.8
67.5°	19.2	19.2	19.2	25.8	25.8	25.8	25.8	25.8	19.2	19.2	19.2
70°	12.9	12.9	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
72.5°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
75°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
77.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
80°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
82.5°	0.0	0.0	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	10195.7	10195.7	10195.7	10195.7	10195.7	10195.7	10195.7	10195.7
2.5°	10221.3	10189.2	10189.2	10189.2	10176.3	10189.2	10208.4	10176.3
5°	10112.1	10125.0	10067.1	10112.1	10131.3	10099.2	10176.3	10112.1
7.5°	10015.9	9996.4	9906.5	9970.9	10009.3	10022.2	10015.9	9964.3
10°	9823.1	9778.1	9739.5	9739.5	9726.6	9720.3	9791.0	9765.2
12.5°	9476.0	9508.3	9450.5	9482.5	9456.8	9463.3	9469.7	9456.8
15°	9180.6	9148.5	9071.3	9122.8	9090.7	9058.6	9122.8	9026.3
17.5°	8718.1	8711.5	8666.5	8634.4	8647.3	8641.0	8673.1	8628.1
20°	8171.9	8184.7	8159.0	8146.3	8126.9	8081.9	8120.6	8069.0
22.5°	7580.9	7593.8	7619.3	7568.0	7574.4	7510.2	7568.0	7510.2
25°	6983.4	6976.9	6944.8	6919.3	6848.5	6777.8	6764.9	6719.9
27.5°	6328.1	6283.1	6206.1	6122.4	6013.3	5917.0	5910.5	5878.4
30°	5608.6	5512.1	5370.8	5235.9	5068.9	4921.1	4921.1	4869.9
32.5°	4850.4	4632.1	4439.4	4272.4	4053.8	3970.2	3886.8	3841.9
35°	3944.7	3751.9	3520.5	3244.4	3141.6	2935.9	2948.8	2846.0
37.5°	3090.3	2852.5	2634.0	2409.2	2229.3	2133.0	2081.5	2030.2
40°	2293.5	2062.3	1824.6	1676.8	1516.1	1432.7	1400.6	1387.7
42.5°	1567.6	1374.9	1220.7	1098.5	1015.1	925.2	899.4	886.5
45°	1021.4	912.3	771.0	674.5	616.7	565.4	565.4	546.2
47.5°	610.4	539.6	468.9	404.7	366.1	334.0	321.1	314.8
50°	340.6	301.9	263.5	237.7	212.0	192.8	186.2	186.2
52.5°	186.2	167.0	154.1	134.9	122.0	122.0	122.0	115.7
55°	96.3	96.3	96.3	96.3	89.9	89.9	89.9	83.6
57.5°	64.2	64.2	70.7	70.7	70.7	64.2	64.2	64.2
60°	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
62.5°	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
65°	25.8	32.1	32.1	32.1	32.1	25.8	25.8	25.8
67.5°	19.2	25.8	25.8	25.8	19.2	19.2	19.2	19.2
70°	19.2	19.2	19.2	19.2	19.2	12.9	12.9	12.9
72.5°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
75°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
77.5°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
80°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
82.5°	6.3	6.3	6.3	6.3	6.3	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°    - - 45°-225°    - - - - 90°-270°









(END OF REPORT)