

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: **LX6C120D010 EX6C1209030 6LBSQLI**

Issue Date: 3/23/2022



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P209348)
Test Lab: INNOVATION CENTER
Issue Date: 3/23/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C120D010 EX6C1209030 6LBSQLI
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBSQ TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

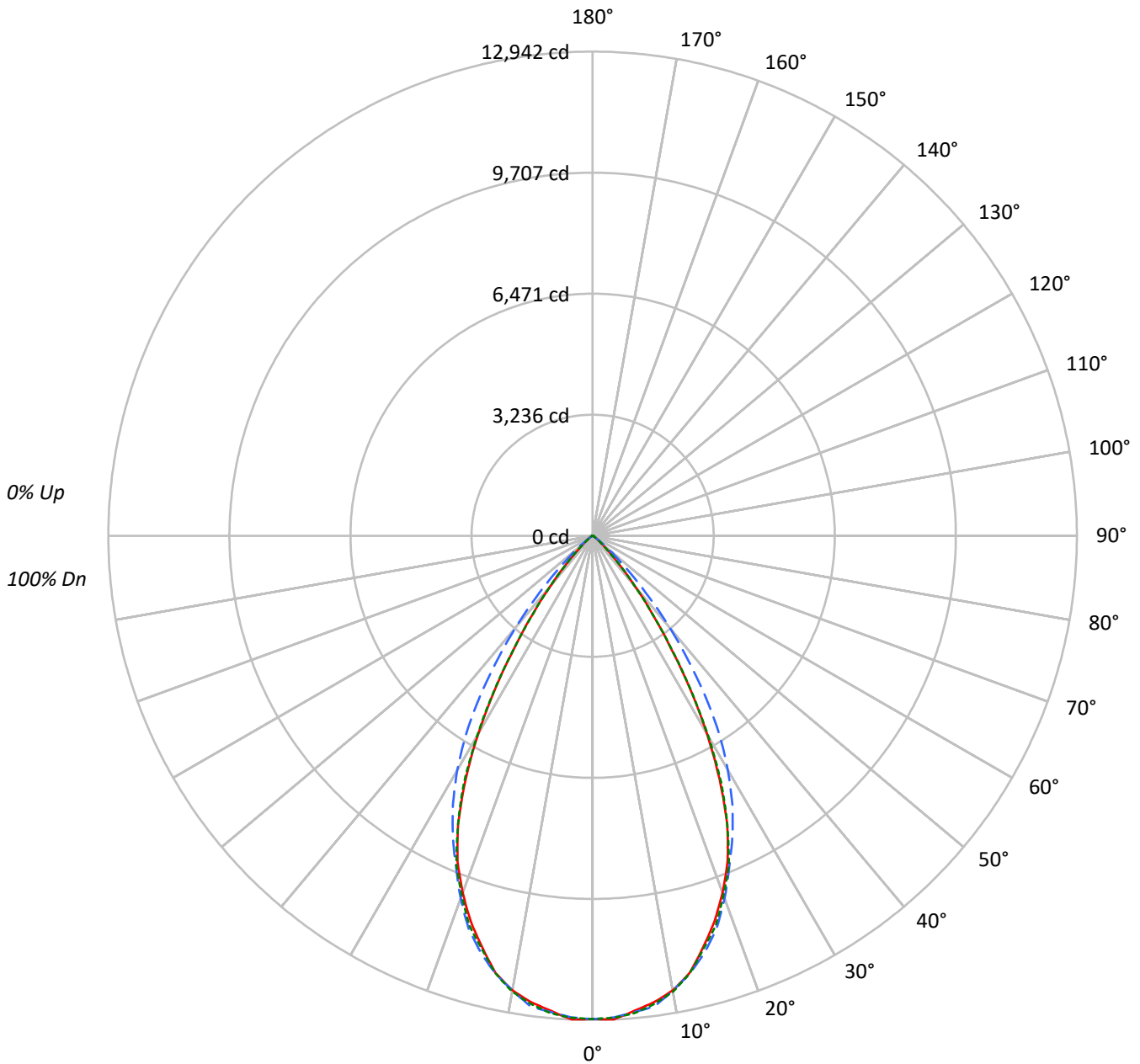
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12139.0 lumens
Efficiency: N/A
Efficacy: 85.3 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): 142.3
Input Voltage (V):
Input Current (Ain): 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									
RC	80									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°	556180	556180	556180
5°	550923	552323	553728
10°	539481	539481	540920
15°	507949	514474	509754
20°	465057	472535	468425
25°	404096	419935	404481
30°	303901	359355	306750
35°	188679	276814	189531
40°	99286	180256	98831
45°	41131	90190	42118
50°	15815	33806	15815
55°	8557	10382	7949
60°	5632	4891	5632
65°	3301	3301	3301
70°	2039	3059	2039
75°	1347	1347	1347
80°	2008	2008	2008
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1209.3	10.0
10°-20°	3217.0	26.5
20°-30°	3948.1	32.5
30°-40°	2725.5	22.5
40°-50°	852.1	7.0
50°-60°	133.2	1.1
60°-70°	38.4	0.3
70°-80°	12.6	0.1
80°-90°	2.8	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°	8374.4	69.0
0°-40°	11099.9	91.4
0°-60°	12085.2	99.6
0°-90°	12139.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12139.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12918	12918	12918	12918	12918	
5°	12747	12796	12779	12783	12812	###
15°	11396	11558	11542	11526	11436	3187
25°	8506	8726	8840	8783	8514	3811
35°	3590	4245	5266	4285	3606	2293
45°	676	924	1481	916	692	605
55°	114	122	138	122	106	111
65°	32	40	32	40	32	36
75°	8	8	8	8	8	12
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°	12917.7	12917.7	12917.7	12917.7	12917.7	12917.7	12917.7	12917.7	12917.7	12917.7	12917.7
2.5°	12942.0	12763.1	12877.1	12852.3	12917.7	12958.2	12917.7	12990.7	12942.0	12885.3	12901.5
5°	12746.9	12771.2	12763.1	12779.3	12795.6	12795.6	12877.1	12885.3	12901.5	12779.3	12811.8
7.5°	12575.6	12575.6	12616.7	12600.0	12657.2	12641.0	12649.1	12714.0	12722.1	12689.7	12665.3
10°	12339.5	12307.1	12266.5	12266.5	12339.5	12347.6	12413.0	12421.1	12469.7	12339.5	12356.2
12.5°	11973.6	11956.9	11892.1	11924.5	11981.7	11948.8	12054.7	12062.8	12046.6	11989.9	12022.3
15°	11395.5	11460.8	11444.1	11436.0	11566.2	11550.0	11541.9	11566.2	11574.3	11541.9	11517.6
17.5°	10817.8	10874.5	10882.6	10898.9	10923.2	10948.0	10980.4	11070.1	11037.2	11012.9	11094.5
20°	10149.9	10125.6	10190.9	10255.8	10280.1	10280.1	10329.3	10394.1	10345.5	10313.1	10321.2
22.5°	9425.8	9466.3	9433.9	9498.7	9531.7	9572.2	9620.9	9678.1	9637.1	9547.9	9653.8
25°	8506.1	8530.4	8636.3	8628.2	8676.8	8774.6	8847.6	8847.6	8847.6	8839.5	8839.5
27.5°	7350.2	7334.0	7464.2	7553.4	7675.5	7830.6	7927.9	8082.4	8107.3	8082.4	8025.7
30°	6112.7	6096.5	6259.2	6373.2	6593.1	6666.6	6935.2	7081.6	7236.2	7228.1	7187.5
32.5°	4826.7	4859.6	4989.8	5152.5	5331.4	5559.4	5811.7	6137.1	6275.9	6308.3	6234.9
35°	3589.7	3638.4	3760.5	3898.8	4118.7	4371.1	4720.7	5030.4	5266.5	5266.5	5209.2
37.5°	2588.4	2604.6	2718.6	2808.3	3035.8	3263.9	3565.4	3988.5	4135.0	4191.7	4135.0
40°	1766.5	1766.5	1831.3	1929.1	2116.1	2311.7	2588.4	2905.6	3117.4	3207.1	3109.3
42.5°	1123.4	1139.6	1188.3	1253.7	1392.0	1562.8	1774.6	2010.7	2165.3	2230.1	2141.0
45°	675.5	691.7	732.7	781.4	871.1	977.0	1123.4	1294.2	1424.4	1481.2	1440.6
47.5°	406.9	423.1	439.3	472.3	537.1	610.6	683.6	781.4	863.0	871.1	854.9
50°	236.1	236.1	252.4	276.7	309.1	350.2	390.7	447.4	472.3	504.7	472.3
52.5°	154.6	154.6	154.6	162.7	178.9	195.6	211.8	244.2	260.5	260.5	252.4
55°	114.0	114.0	114.0	114.0	122.1	122.1	122.1	130.2	138.3	138.3	138.3
57.5°	81.6	81.6	81.6	89.7	89.7	89.7	81.6	81.6	81.6	81.6	81.6
60°	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	56.8	56.8	56.8
62.5°	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
65°	32.4	32.4	32.4	40.5	40.5	40.5	40.5	32.4	32.4	32.4	32.4
67.5°	24.3	24.3	24.3	32.4	32.4	32.4	32.4	32.4	24.3	24.3	24.3
70°	16.2	16.2	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
72.5°	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
75°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
77.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
80°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
82.5°	0.0	0.0	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
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°	12917.7	12917.7	12917.7	12917.7	12917.7	12917.7	12917.7	12917.7
2.5°	12950.1	12909.6	12909.6	12909.6	12893.4	12909.6	12933.9	12893.4
5°	12811.8	12828.0	12755.0	12811.8	12836.1	12795.6	12893.4	12811.8
7.5°	12689.7	12665.3	12551.3	12632.9	12681.5	12697.8	12689.7	12624.8
10°	12445.4	12388.7	12339.5	12339.5	12323.3	12315.2	12404.9	12372.4
12.5°	12006.1	12046.6	11973.6	12014.2	11981.7	11989.9	11998.0	11981.7
15°	11631.6	11591.1	11493.3	11558.1	11517.6	11477.0	11558.1	11436.0
17.5°	11045.3	11037.2	10980.4	10939.9	10956.1	10948.0	10988.5	10931.8
20°	10353.6	10369.8	10337.4	10321.2	10296.9	10239.6	10288.7	10223.4
22.5°	9604.7	9620.9	9653.8	9588.4	9596.5	9515.5	9588.4	9515.5
25°	8847.6	8839.5	8798.9	8766.5	8676.8	8587.1	8570.9	8514.2
27.5°	8017.6	7960.8	7863.0	7757.1	7618.8	7496.6	7488.5	7448.0
30°	7105.9	6983.8	6804.9	6633.7	6422.4	6234.9	6234.9	6170.0
32.5°	6145.7	5868.5	5624.3	5412.9	5136.3	5030.4	4924.5	4867.7
35°	4997.9	4753.7	4460.3	4110.6	3980.4	3719.9	3736.2	3605.9
37.5°	3915.0	3614.0	3337.4	3052.6	2824.5	2702.4	2637.0	2572.2
40°	2905.6	2612.7	2311.7	2124.2	1921.0	1815.1	1774.6	1758.4
42.5°	1985.9	1741.6	1546.6	1392.0	1286.1	1172.1	1139.6	1123.4
45°	1294.2	1155.9	977.0	854.9	781.4	716.5	716.5	691.7
47.5°	773.3	683.6	594.4	512.8	464.2	423.1	406.9	398.8
50°	431.2	382.6	333.9	301.0	268.6	244.2	236.1	236.1
52.5°	236.1	211.8	195.6	170.8	154.6	154.6	154.6	146.4
55°	122.1	122.1	122.1	122.1	114.0	114.0	114.0	105.9
57.5°	81.6	81.6	89.7	89.7	89.7	81.6	81.6	81.6
60°	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
62.5°	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
65°	32.4	40.5	40.5	40.5	40.5	32.4	32.4	32.4
67.5°	24.3	32.4	32.4	32.4	24.3	24.3	24.3	24.3
70°	24.3	24.3	24.3	24.3	24.3	16.2	16.2	16.2
72.5°	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2
75°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
77.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
80°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
82.5°	8.1	8.1	8.1	8.1	8.1	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)