

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 EX6C1209727 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: LX6C120D010 EX6C1209727 6LBSQLI
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 97CRI LEDS
AND 6LBSQ TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

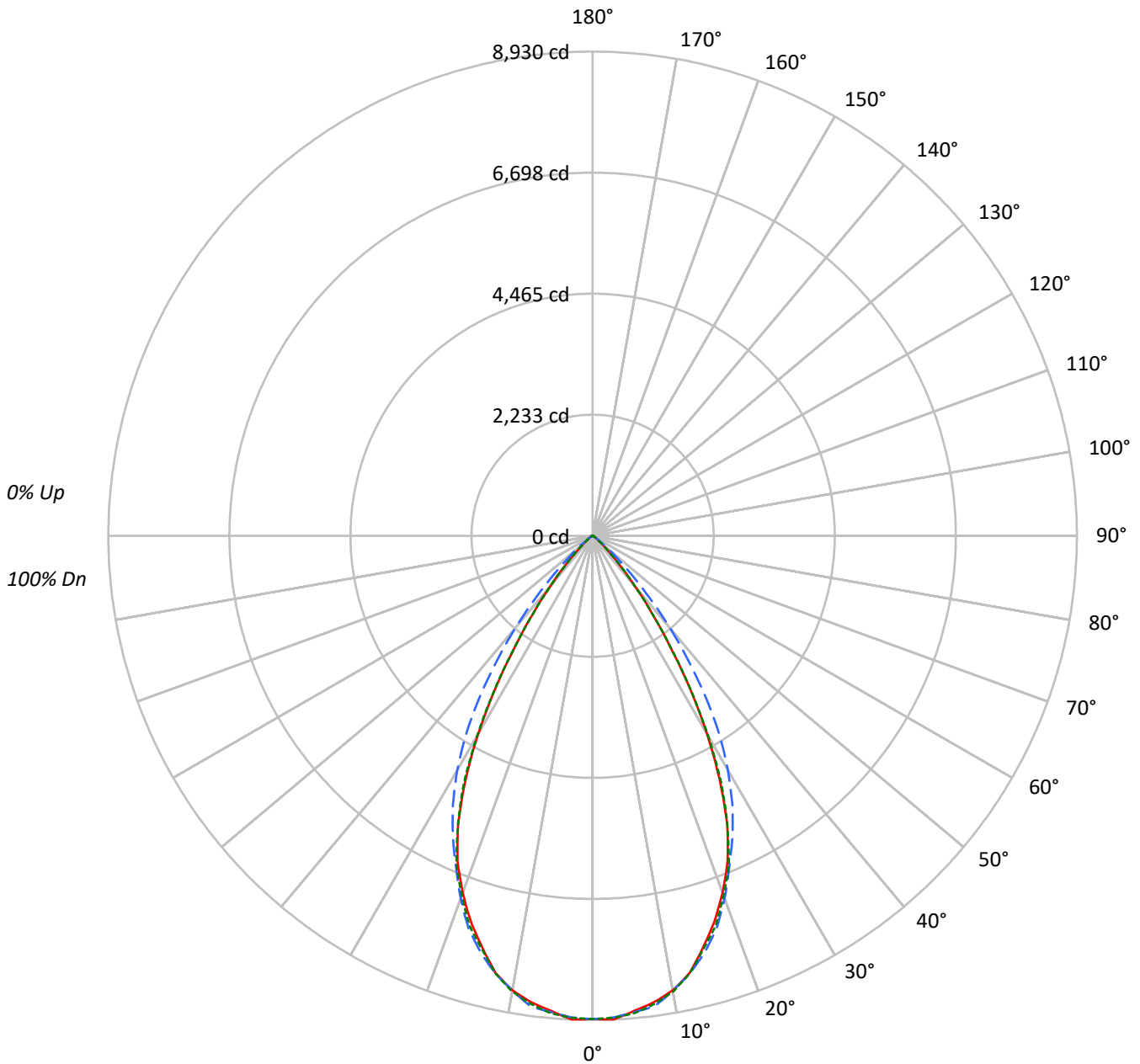
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8376.0 lumens
Efficiency: N/A
Efficacy: 58.9 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 (A_{in}): 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°	383772	383772	383772
5°	380143	381106	382079
10°	372253	372253	373241
15°	350489	355000	351737
20°	320906	326047	323216
25°	278826	289762	279092
30°	209709	247951	211663
35°	130184	191002	130772
40°	68497	124371	68188
45°	28387	62242	29075
50°	10905	23330	10905
55°	5900	7161	5487
60°	3858	3384	3858
65°	2292	2292	2292
70°	1423	2115	1423
75°	915	915	915
80°	1364	1364	1364
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	834.4	10.0
10°-20°	2219.7	26.5
20°-30°	2724.3	32.5
30°-40°	1880.6	22.5
40°-50°	588.0	7.0
50°-60°	91.8	1.1
60°-70°	26.6	0.3
70°-80°	8.6	0.1
80°-90°	1.9	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°	5778.4	69.0
0°-40°	7659.1	91.4
0°-60°	8338.8	99.6
0°-90°	8376.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8376.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8913	8913	8913	8913	8913	
5°	8796	8829	8818	8821	8840	831
15°	7863	7975	7964	7953	7891	2199
25°	5869	6021	6099	6060	5875	2630
35°	2477	2929	3634	2957	2488	1582
45°	466	638	1022	632	478	417
55°	79	84	95	84	73	76
65°	22	28	22	28	22	25
75°	6	6	6	6	6	8
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°	8913.4	8913.4	8913.4	8913.4	8913.4	8913.4	8913.4	8913.4	8913.4	8913.4	8913.4
2.5°	8930.2	8806.5	8885.2	8868.4	8913.4	8941.5	8913.4	8963.8	8930.2	8890.9	8902.2
5°	8795.5	8812.3	8806.5	8817.8	8829.1	8829.1	8885.2	8890.9	8902.2	8817.8	8840.3
7.5°	8677.5	8677.5	8705.6	8694.3	8733.6	8722.4	8727.9	8773.0	8778.5	8756.2	8739.2
10°	8514.5	8492.0	8464.0	8464.0	8514.5	8520.3	8565.1	8570.6	8604.4	8514.5	8525.8
12.5°	8261.9	8250.6	8205.6	8228.1	8267.4	8244.9	8318.0	8323.5	8312.5	8273.1	8295.4
15°	7863.0	7908.0	7896.8	7891.0	7980.9	7969.7	7964.2	7980.9	7986.7	7964.2	7947.4
17.5°	7464.3	7503.6	7509.2	7520.4	7537.2	7554.2	7576.5	7638.4	7615.9	7599.1	7655.2
20°	7003.8	6986.8	7031.9	7076.7	7093.5	7093.5	7127.3	7172.1	7138.6	7116.0	7121.8
22.5°	6503.8	6531.8	6509.5	6554.4	6576.9	6605.0	6638.7	6678.1	6650.0	6588.2	6661.1
25°	5869.2	5886.0	5959.1	5953.4	5987.2	6054.6	6105.1	6105.1	6105.1	6099.4	6099.4
27.5°	5071.7	5060.4	5150.3	5212.2	5296.3	5403.0	5470.4	5577.1	5594.1	5577.1	5537.7
30°	4218.1	4206.8	4319.0	4397.6	4549.4	4599.9	4785.2	4886.4	4993.1	4987.3	4959.3
32.5°	3330.6	3352.9	3442.8	3555.3	3678.7	3836.0	4010.2	4234.9	4330.3	4352.8	4302.2
35°	2476.8	2510.6	2594.7	2690.3	2841.9	3016.1	3257.5	3470.9	3633.9	3633.9	3594.6
37.5°	1786.1	1797.2	1875.8	1937.6	2094.9	2252.2	2460.0	2752.0	2853.1	2892.4	2853.1
40°	1218.7	1218.7	1263.8	1331.1	1460.4	1595.1	1786.1	2005.0	2151.0	2212.8	2145.5
42.5°	775.0	786.3	820.1	864.9	960.3	1078.3	1224.5	1387.3	1493.9	1539.0	1477.1
45°	466.2	477.5	505.6	539.1	601.0	674.1	775.0	893.0	982.8	1022.2	994.1
47.5°	280.7	292.0	303.2	325.8	370.6	421.2	471.8	539.1	595.4	601.0	589.7
50°	162.8	162.8	174.0	191.0	213.4	241.4	269.7	309.0	325.8	348.3	325.8
52.5°	106.7	106.7	106.7	112.4	123.5	134.7	146.0	168.5	179.8	179.8	174.0
55°	78.6	78.6	78.6	78.6	84.2	84.2	84.2	89.9	95.4	95.4	95.4
57.5°	56.1	56.1	56.1	61.8	61.8	61.8	56.1	56.1	56.1	56.1	56.1
60°	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	39.3	39.3	39.3
62.5°	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
65°	22.5	22.5	22.5	28.1	28.1	28.1	28.1	22.5	22.5	22.5	22.5
67.5°	16.8	16.8	16.8	22.5	22.5	22.5	22.5	22.5	16.8	16.8	16.8
70°	11.3	11.3	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8
72.5°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
75°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
77.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
80°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
82.5°	0.0	0.0	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
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°	8913.4	8913.4	8913.4	8913.4	8913.4	8913.4	8913.4	8913.4
2.5°	8935.7	8907.7	8907.7	8907.7	8896.4	8907.7	8924.5	8896.4
5°	8840.3	8851.6	8801.0	8840.3	8857.1	8829.1	8896.4	8840.3
7.5°	8756.2	8739.2	8660.5	8716.9	8750.4	8761.7	8756.2	8711.1
10°	8587.6	8548.3	8514.5	8514.5	8503.3	8497.8	8559.6	8537.1
12.5°	8284.2	8312.5	8261.9	8289.9	8267.4	8273.1	8278.7	8267.4
15°	8026.0	7997.9	7930.4	7975.4	7947.4	7919.3	7975.4	7891.0
17.5°	7621.6	7615.9	7576.5	7548.5	7559.7	7554.2	7582.3	7543.0
20°	7144.1	7155.3	7132.8	7121.8	7104.8	7065.5	7099.2	7054.2
22.5°	6627.5	6638.7	6661.1	6616.2	6621.7	6565.6	6616.2	6565.6
25°	6105.1	6099.4	6071.3	6049.0	5987.2	5925.4	5914.1	5874.8
27.5°	5532.2	5492.9	5425.5	5352.4	5257.0	5172.9	5167.1	5139.1
30°	4903.2	4818.8	4695.4	4577.4	4431.4	4302.2	4302.2	4257.4
32.5°	4240.4	4049.5	3881.0	3735.0	3544.0	3470.9	3398.0	3358.7
35°	3448.6	3280.1	3077.7	2836.3	2746.4	2566.7	2577.9	2488.0
37.5°	2701.6	2493.8	2302.7	2106.2	1948.9	1864.8	1819.7	1774.9
40°	2005.0	1802.9	1595.1	1465.9	1325.4	1252.5	1224.5	1213.2
42.5°	1370.5	1201.9	1067.2	960.3	887.4	808.8	786.3	775.0
45°	893.0	797.5	674.1	589.7	539.1	494.3	494.3	477.5
47.5°	533.6	471.8	409.9	353.8	320.0	292.0	280.7	275.2
50°	297.7	263.9	230.4	207.8	185.3	168.5	162.8	162.8
52.5°	162.8	146.0	134.7	117.9	106.7	106.7	106.7	101.2
55°	84.2	84.2	84.2	84.2	78.6	78.6	78.6	73.1
57.5°	56.1	56.1	61.8	61.8	61.8	56.1	56.1	56.1
60°	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
62.5°	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
65°	22.5	28.1	28.1	28.1	28.1	22.5	22.5	22.5
67.5°	16.8	22.5	22.5	22.5	16.8	16.8	16.8	16.8
70°	16.8	16.8	16.8	16.8	16.8	11.3	11.3	11.3
72.5°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
75°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
77.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
80°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
82.5°	5.5	5.5	5.5	5.5	5.5	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)