

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: **LX6C100D010 EX6C1009730 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: LX6C100D010 EX6C1009730 6LBSQLI
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 97CRI LEDS
AND 6LBSQ TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

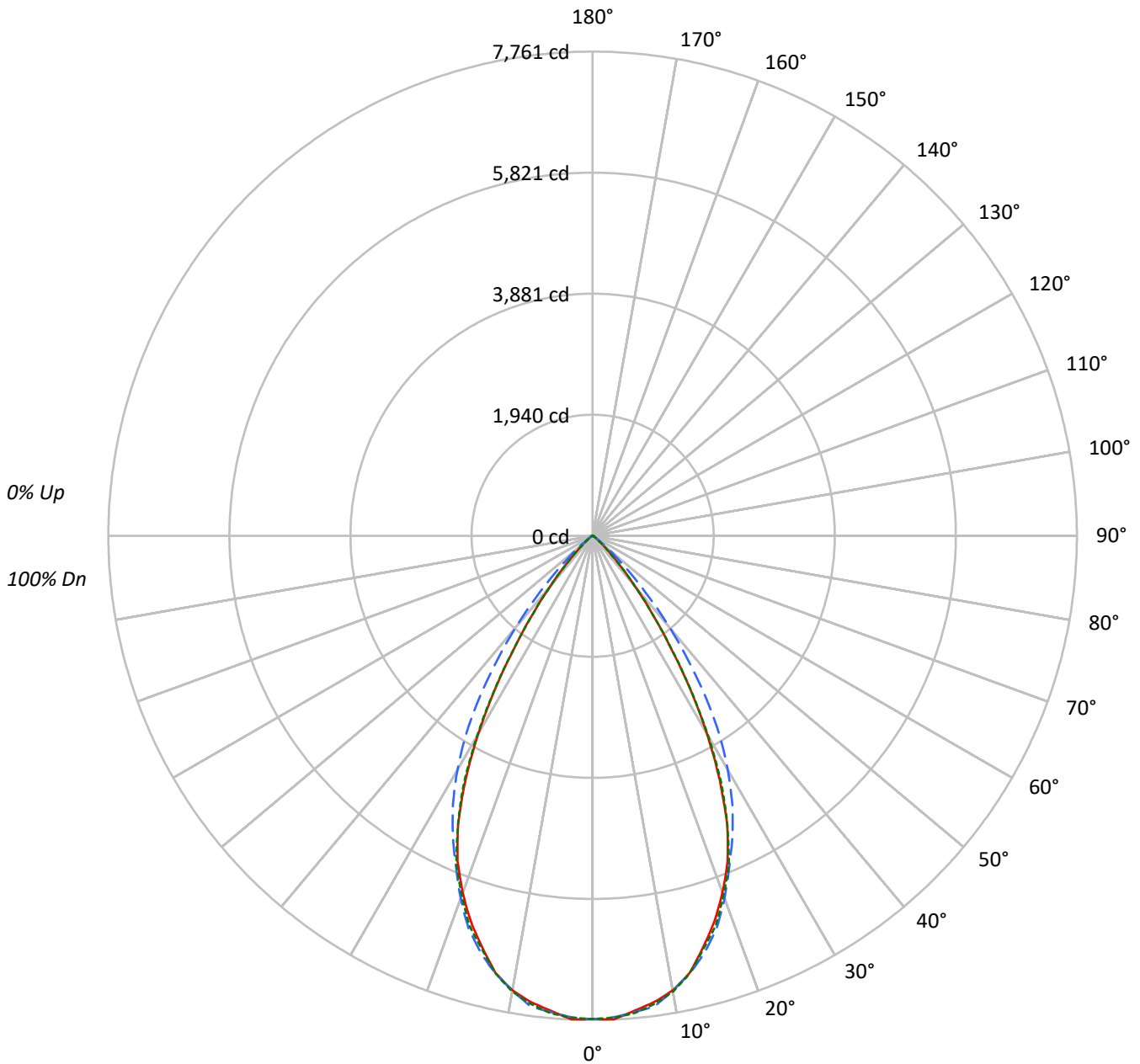
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7279.0 lumens
Efficiency: N/A
Efficacy: 63.6 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): 114.4
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									
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°	333509	333509	333509
5°	330353	331192	332039
10°	323501	323501	324358
15°	304586	308505	305674
20°	278877	283344	280883
25°	242312	251814	242541
30°	182240	215481	183941
35°	113133	165988	113648
40°	59527	108083	59257
45°	24673	54088	25269
50°	9478	20276	9478
55°	5127	6223	4767
60°	3358	2945	3358
65°	1997	1997	1997
70°	1234	1838	1234
75°	799	799	799
80°	1190	1190	1190
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	725.2	10.0
10°-20°	1929.0	26.5
20°-30°	2367.5	32.5
30°-40°	1634.3	22.5
40°-50°	511.0	7.0
50°-60°	79.8	1.1
60°-70°	23.1	0.3
70°-80°	7.5	0.1
80°-90°	1.7	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°	5021.6	69.0
0°-40°	6656.0	91.4
0°-60°	7246.7	99.6
0°-90°	7279.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7279.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7746	7746	7746	7746	7746	
5°	7644	7673	7663	7665	7682	723
15°	6833	6931	6921	6911	6858	1911
25°	5101	5232	5301	5266	5105	2285
35°	2152	2545	3158	2570	2162	1375
45°	405	554	888	549	415	363
55°	68	73	83	73	64	66
65°	20	24	20	24	20	22
75°	5	5	5	5	5	7
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°	7746.0	7746.0	7746.0	7746.0	7746.0	7746.0	7746.0	7746.0	7746.0	7746.0	7746.0
2.5°	7760.6	7653.1	7721.5	7706.9	7746.0	7770.4	7746.0	7789.8	7760.6	7726.5	7736.2
5°	7643.5	7658.1	7653.1	7662.9	7672.7	7672.7	7721.5	7726.5	7736.2	7662.9	7682.5
7.5°	7541.0	7541.0	7565.4	7555.6	7589.8	7580.0	7584.8	7624.0	7628.8	7609.4	7594.6
10°	7399.4	7379.8	7355.4	7355.4	7399.4	7404.4	7443.4	7448.2	7477.5	7399.4	7409.2
12.5°	7179.8	7170.0	7130.9	7150.5	7184.6	7165.0	7228.6	7233.4	7223.8	7189.6	7209.0
15°	6833.2	6872.3	6862.5	6857.6	6935.7	6925.9	6921.1	6935.7	6940.7	6921.1	6906.5
17.5°	6486.7	6520.9	6525.7	6535.5	6550.1	6564.9	6584.2	6638.0	6618.4	6603.8	6652.6
20°	6086.5	6071.8	6110.9	6149.9	6164.5	6164.5	6193.8	6232.8	6203.6	6184.0	6189.0
22.5°	5652.0	5676.4	5657.0	5696.0	5715.5	5739.9	5769.3	5803.4	5779.1	5725.3	5788.7
25°	5100.6	5115.1	5178.7	5173.7	5203.1	5261.6	5305.5	5305.5	5305.5	5300.6	5300.6
27.5°	4407.5	4397.7	4475.8	4529.5	4602.7	4695.4	4753.9	4846.6	4861.4	4846.6	4812.5
30°	3665.6	3655.8	3753.3	3821.7	3953.5	3997.5	4158.5	4246.4	4339.1	4334.2	4309.8
32.5°	2894.4	2913.8	2991.9	3089.6	3196.9	3333.6	3485.0	3680.2	3763.1	3782.7	3738.8
35°	2152.4	2181.8	2254.9	2338.0	2469.7	2621.1	2830.9	3016.3	3158.0	3158.0	3123.8
37.5°	1552.2	1561.8	1630.1	1683.9	1820.5	1957.2	2137.8	2391.5	2479.5	2513.6	2479.5
40°	1059.1	1059.1	1098.3	1156.8	1269.1	1386.2	1552.2	1742.4	1869.3	1923.0	1864.5
42.5°	673.5	683.3	712.7	751.6	834.5	937.0	1064.1	1205.6	1298.3	1337.4	1283.7
45°	405.2	415.0	439.3	468.5	522.3	585.8	673.5	776.0	854.1	888.3	863.9
47.5°	244.0	253.7	263.5	283.1	322.1	366.0	410.0	468.5	517.5	522.3	512.5
50°	141.5	141.5	151.2	166.0	185.4	209.8	234.4	268.5	283.1	302.7	283.1
52.5°	92.7	92.7	92.7	97.7	107.3	117.1	126.9	146.4	156.2	156.2	151.2
55°	68.3	68.3	68.3	68.3	73.1	73.1	73.1	78.1	82.9	82.9	82.9
57.5°	48.8	48.8	48.8	53.7	53.7	53.7	48.8	48.8	48.8	48.8	48.8
60°	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	34.2	34.2	34.2
62.5°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
65°	19.6	19.6	19.6	24.4	24.4	24.4	24.4	19.6	19.6	19.6	19.6
67.5°	14.6	14.6	14.6	19.6	19.6	19.6	19.6	19.6	14.6	14.6	14.6
70°	9.8	9.8	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
72.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
77.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
80°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
82.5°	0.0	0.0	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
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°	7746.0	7746.0	7746.0	7746.0	7746.0	7746.0	7746.0	7746.0
2.5°	7765.4	7741.0	7741.0	7741.0	7731.3	7741.0	7755.6	7731.3
5°	7682.5	7692.3	7648.3	7682.5	7697.1	7672.7	7731.3	7682.5
7.5°	7609.4	7594.6	7526.3	7575.2	7604.4	7614.2	7609.4	7570.2
10°	7462.9	7428.8	7399.4	7399.4	7389.6	7384.8	7438.6	7419.0
12.5°	7199.2	7223.8	7179.8	7204.2	7184.6	7189.6	7194.4	7184.6
15°	6974.8	6950.5	6891.7	6930.9	6906.5	6882.1	6930.9	6857.6
17.5°	6623.4	6618.4	6584.2	6559.9	6569.7	6564.9	6589.2	6555.1
20°	6208.4	6218.2	6198.6	6189.0	6174.3	6140.1	6169.5	6130.3
22.5°	5759.5	5769.3	5788.7	5749.7	5754.5	5705.7	5749.7	5705.7
25°	5305.5	5300.6	5276.2	5256.8	5203.1	5149.3	5139.5	5105.4
27.5°	4807.7	4773.5	4715.0	4651.4	4568.5	4495.4	4490.4	4466.0
30°	4261.0	4187.7	4080.4	3977.9	3851.0	3738.8	3738.8	3699.8
32.5°	3685.0	3519.2	3372.7	3245.9	3079.8	3016.3	2953.0	2918.8
35°	2996.9	2850.5	2674.7	2464.9	2386.7	2230.5	2240.3	2162.2
37.5°	2347.8	2167.2	2001.1	1830.3	1693.7	1620.5	1581.4	1542.4
40°	1742.4	1566.8	1386.2	1273.9	1151.8	1088.5	1064.1	1054.3
42.5°	1191.0	1044.5	927.4	834.5	771.2	702.9	683.3	673.5
45°	776.0	693.1	585.8	512.5	468.5	429.6	429.6	415.0
47.5°	463.7	410.0	356.2	307.5	278.1	253.7	244.0	239.2
50°	258.7	229.4	200.2	180.6	161.0	146.4	141.5	141.5
52.5°	141.5	126.9	117.1	102.5	92.7	92.7	92.7	87.9
55°	73.1	73.1	73.1	73.1	68.3	68.3	68.3	63.5
57.5°	48.8	48.8	53.7	53.7	53.7	48.8	48.8	48.8
60°	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
62.5°	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
65°	19.6	24.4	24.4	24.4	24.4	19.6	19.6	19.6
67.5°	14.6	19.6	19.6	19.6	14.6	14.6	14.6	14.6
70°	14.6	14.6	14.6	14.6	14.6	9.8	9.8	9.8
72.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
75°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
77.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
80°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
82.5°	4.8	4.8	4.8	4.8	4.8	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)