

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 EX6C1309030 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: LX6C130D010 EX6C1309030 6LBSQLI
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBSQ TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

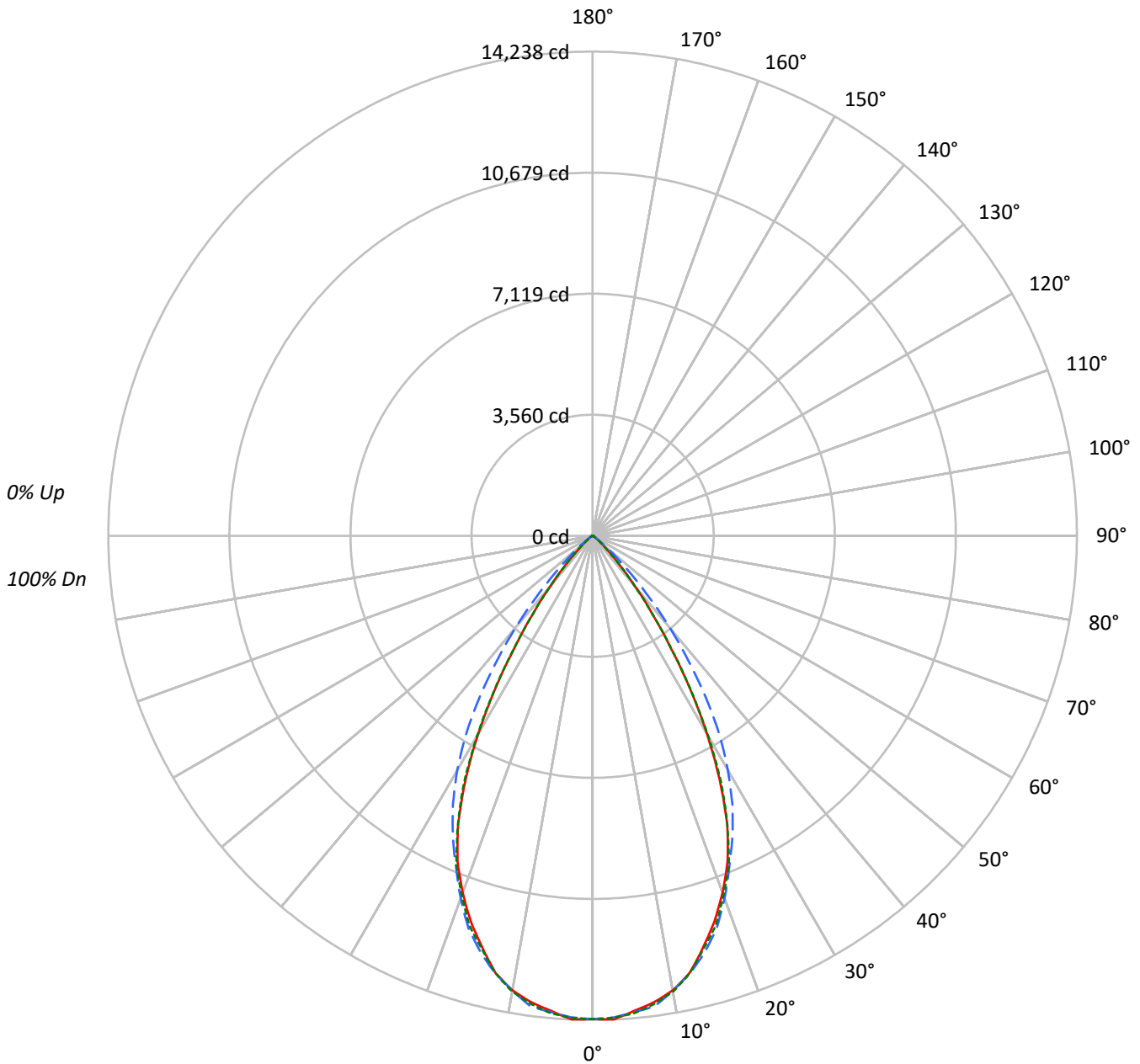
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13355.0 lumens
Efficiency: N/A
Efficacy: 92.6 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): 144.3
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									
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°	611894	611894	611894
5°	606110	607653	609196
10°	593523	593523	595106
15°	558830	566011	560819
20°	511641	519870	515348
25°	444572	462002	444995
30°	334348	395350	337480
35°	207580	304545	208516
40°	109229	198314	108729
45°	45247	99226	46337
50°	17402	37196	17402
55°	9413	11425	8745
60°	6191	5373	6191
65°	3637	3637	3637
70°	2241	3374	2241
75°	1481	1481	1481
80°	2207	2207	2207
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1330.5	10.0
10°-20°	3539.2	26.5
20°-30°	4343.6	32.5
30°-40°	2998.5	22.5
40°-50°	937.5	7.0
50°-60°	146.5	1.1
60°-70°	42.3	0.3
70°-80°	13.8	0.1
80°-90°	3.1	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°	9213.3	69.0
0°-40°	12211.8	91.4
0°-60°	13295.8	99.6
0°-90°	13355.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13355.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14212	14212	14212	14212	14212	
5°	14024	14077	14060	14064	14095	###
15°	12537	12716	12698	12680	12582	3507
25°	9358	9600	9725	9663	9367	4193
35°	3949	4670	5794	4715	3967	2523
45°	743	1017	1630	1008	761	666
55°	125	134	152	134	116	122
65°	36	45	36	45	36	40
75°	9	9	9	9	9	13
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°	14211.7	14211.7	14211.7	14211.7	14211.7	14211.7	14211.7	14211.7	14211.7	14211.7	14211.7
2.5°	14238.5	14041.7	14167.1	14139.8	14211.7	14256.3	14211.7	14292.0	14238.5	14176.0	14193.9
5°	14023.8	14050.6	14041.7	14059.5	14077.3	14077.3	14167.1	14176.0	14193.9	14059.5	14095.2
7.5°	13835.4	13835.4	13880.5	13862.1	13925.1	13907.3	13916.2	13987.6	13996.5	13960.8	13934.1
10°	13575.6	13539.9	13495.3	13495.3	13575.6	13584.5	13656.4	13665.3	13718.9	13575.6	13594.0
12.5°	13173.1	13154.7	13083.3	13119.0	13182.0	13145.8	13262.3	13271.2	13253.4	13190.9	13226.6
15°	12537.0	12608.9	12590.5	12581.6	12724.8	12707.0	12698.1	12724.8	12733.8	12698.1	12671.3
17.5°	11901.4	11963.9	11972.8	11990.6	12017.4	12044.7	12080.4	12179.1	12142.8	12116.1	12205.8
20°	11166.6	11139.9	11211.8	11283.2	11309.9	11309.9	11364.0	11435.4	11381.8	11346.2	11355.1
22.5°	10370.0	10414.6	10378.9	10450.3	10486.5	10531.1	10584.6	10647.6	10602.5	10504.3	10620.9
25°	9358.1	9384.9	9501.4	9492.5	9546.0	9653.6	9733.9	9733.9	9733.9	9725.0	9725.0
27.5°	8086.5	8068.6	8211.9	8310.0	8444.4	8615.0	8722.0	8892.1	8919.4	8892.1	8829.6
30°	6725.1	6707.2	6886.2	7011.6	7253.6	7334.4	7629.9	7791.0	7961.0	7952.1	7907.5
32.5°	5310.2	5346.4	5489.7	5668.6	5865.4	6116.3	6393.9	6751.8	6904.6	6940.3	6859.4
35°	3949.3	4002.8	4137.2	4289.4	4531.3	4809.0	5193.6	5534.3	5794.1	5794.1	5731.1
37.5°	2847.7	2865.5	2991.0	3089.6	3340.0	3590.8	3922.5	4388.1	4549.2	4611.6	4549.2
40°	1943.4	1943.4	2014.8	2122.4	2328.1	2543.3	2847.7	3196.7	3429.7	3528.4	3420.8
42.5°	1236.0	1253.8	1307.3	1379.2	1531.4	1719.3	1952.4	2212.1	2382.2	2453.5	2355.4
45°	743.1	761.0	806.1	859.7	958.3	1074.9	1236.0	1423.8	1567.1	1629.6	1585.0
47.5°	447.7	465.5	483.3	519.6	590.9	671.8	752.1	859.7	949.4	958.3	940.5
50°	259.8	259.8	277.6	304.4	340.1	385.2	429.8	492.3	519.6	555.3	519.6
52.5°	170.0	170.0	170.0	179.0	196.8	215.2	233.0	268.7	286.6	286.6	277.6
55°	125.4	125.4	125.4	125.4	134.4	134.4	134.4	143.3	152.2	152.2	152.2
57.5°	89.8	89.8	89.8	98.7	98.7	98.7	89.8	89.8	89.8	89.8	89.8
60°	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	62.4	62.4	62.4
62.5°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
65°	35.7	35.7	35.7	44.6	44.6	44.6	44.6	35.7	35.7	35.7	35.7
67.5°	26.8	26.8	26.8	35.7	35.7	35.7	35.7	35.7	26.8	26.8	26.8
70°	17.8	17.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
72.5°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
75°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
77.5°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
80°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
82.5°	0.0	0.0	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
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°	14211.7	14211.7	14211.7	14211.7	14211.7	14211.7	14211.7	14211.7
2.5°	14247.4	14202.8	14202.8	14202.8	14184.9	14202.8	14229.5	14184.9
5°	14095.2	14113.0	14032.7	14095.2	14121.9	14077.3	14184.9	14095.2
7.5°	13960.8	13934.1	13808.6	13898.4	13951.9	13969.7	13960.8	13889.5
10°	13692.1	13629.7	13575.6	13575.6	13557.7	13548.8	13647.5	13611.8
12.5°	13208.8	13253.4	13173.1	13217.7	13182.0	13190.9	13199.8	13182.0
15°	12796.8	12752.2	12644.6	12715.9	12671.3	12626.7	12715.9	12581.6
17.5°	12151.7	12142.8	12080.4	12035.8	12053.6	12044.7	12089.3	12026.9
20°	11390.8	11408.6	11372.9	11355.1	11328.3	11265.3	11319.4	11247.5
22.5°	10566.8	10584.6	10620.9	10548.9	10557.9	10468.7	10548.9	10468.7
25°	9733.9	9725.0	9680.4	9644.7	9546.0	9447.3	9429.5	9367.0
27.5°	8820.7	8758.3	8650.7	8534.2	8382.0	8247.6	8238.7	8194.1
30°	7817.8	7683.4	7486.6	7298.2	7065.7	6859.4	6859.4	6788.1
32.5°	6761.3	6456.4	6187.6	5955.2	5650.8	5534.3	5417.7	5355.3
35°	5498.6	5229.9	4907.1	4522.4	4379.1	4092.6	4110.4	3967.1
37.5°	4307.2	3976.1	3671.7	3358.4	3107.5	2973.1	2901.2	2829.9
40°	3196.7	2874.4	2543.3	2337.0	2113.5	1997.0	1952.4	1934.5
42.5°	2184.8	1916.1	1701.5	1531.4	1414.9	1289.5	1253.8	1236.0
45°	1423.8	1271.6	1074.9	940.5	859.7	788.3	788.3	761.0
47.5°	850.7	752.1	653.9	564.2	510.7	465.5	447.7	438.7
50°	474.4	420.9	367.4	331.2	295.5	268.7	259.8	259.8
52.5°	259.8	233.0	215.2	187.9	170.0	170.0	170.0	161.1
55°	134.4	134.4	134.4	134.4	125.4	125.4	125.4	116.5
57.5°	89.8	89.8	98.7	98.7	98.7	89.8	89.8	89.8
60°	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
62.5°	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
65°	35.7	44.6	44.6	44.6	44.6	35.7	35.7	35.7
67.5°	26.8	35.7	35.7	35.7	26.8	26.8	26.8	26.8
70°	26.8	26.8	26.8	26.8	26.8	17.8	17.8	17.8
72.5°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
75°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
77.5°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
80°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
82.5°	8.9	8.9	8.9	8.9	8.9	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)