

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 EX6C1309027 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 EX6C1309027 6LBSQLI
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBSQ TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

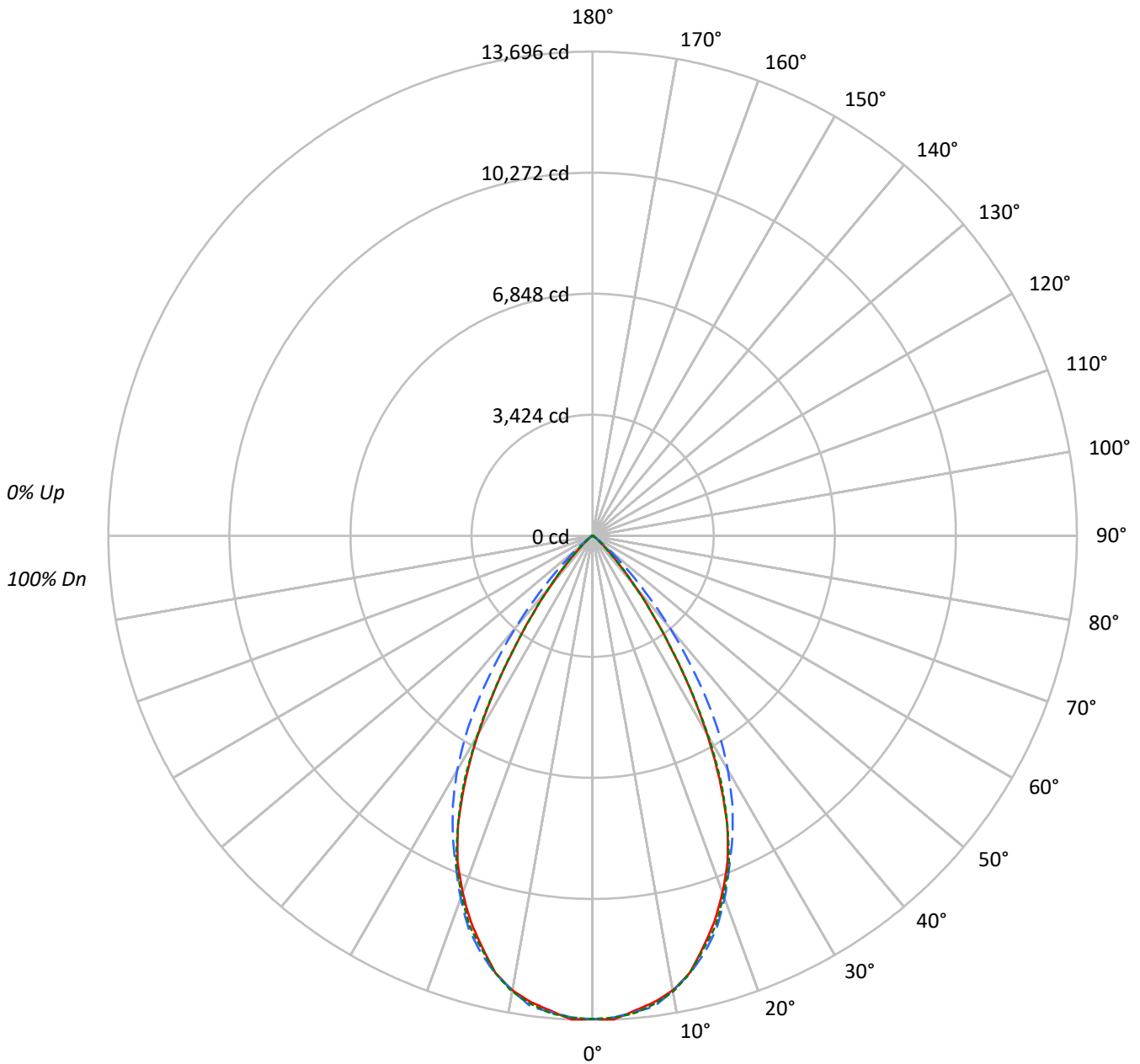
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12846.0 lumens
Efficiency: N/A
Efficacy: 89.0 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				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°	588571	588571	588571
5°	583009	584492	585978
10°	570903	570903	572424
15°	537533	544437	539445
20°	492145	500053	495705
25°	427631	444392	428035
30°	321605	380281	324618
35°	199670	292934	200568
40°	105070	190755	104587
45°	43524	95445	44571
50°	16739	35775	16739
55°	9060	10990	8415
60°	5959	5175	5959
65°	3494	3494	3494
70°	2165	3235	2165
75°	1431	1431	1431
80°	2132	2132	2132
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1279.8	10.0
10°-20°	3404.3	26.5
20°-30°	4178.1	32.5
30°-40°	2884.2	22.5
40°-50°	901.8	7.0
50°-60°	140.9	1.1
60°-70°	40.6	0.3
70°-80°	13.3	0.1
80°-90°	3.0	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°	8862.1	69.0
0°-40°	11746.4	91.4
0°-60°	12789.1	99.6
0°-90°	12846.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12846.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	13670	13670	13670	13670	13670	
5°	13489	13541	13524	13528	13558	###
15°	12059	12231	12214	12197	12102	3373
25°	9002	9234	9354	9294	9010	4033
35°	3799	4492	5573	4535	3816	2427
45°	715	978	1568	969	732	640
55°	121	129	146	129	112	117
65°	34	43	34	43	34	38
75°	9	9	9	9	9	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°	13670.0	13670.0	13670.0	13670.0	13670.0	13670.0	13670.0	13670.0	13670.0	13670.0	13670.0
2.5°	13695.8	13506.5	13627.1	13600.9	13670.0	13712.9	13670.0	13747.3	13695.8	13635.7	13652.9
5°	13489.3	13515.1	13506.5	13523.6	13540.8	13540.8	13627.1	13635.7	13652.9	13523.6	13558.0
7.5°	13308.1	13308.1	13351.5	13333.8	13394.4	13377.2	13385.8	13454.5	13463.0	13428.7	13403.0
10°	13058.2	13023.9	12981.0	12981.0	13058.2	13066.8	13135.9	13144.5	13196.0	13058.2	13075.9
12.5°	12671.0	12653.3	12584.7	12619.0	12679.6	12644.7	12756.8	12765.4	12748.2	12688.2	12722.5
15°	12059.2	12128.3	12110.6	12102.1	12239.9	12222.7	12214.1	12239.9	12248.4	12214.1	12188.4
17.5°	11447.8	11507.9	11516.5	11533.6	11559.4	11585.6	11620.0	11714.9	11680.0	11654.3	11740.6
20°	10741.1	10715.3	10784.5	10853.1	10878.9	10878.9	10930.9	10999.5	10948.0	10913.7	10922.3
22.5°	9974.8	10017.7	9983.3	10052.0	10086.8	10129.7	10181.2	10241.8	10198.4	10104.0	10216.1
25°	9001.5	9027.2	9139.3	9130.7	9182.2	9285.7	9362.9	9362.9	9362.9	9354.3	9354.3
27.5°	7778.3	7761.1	7898.9	7993.3	8122.6	8286.6	8389.6	8553.2	8579.4	8553.2	8493.1
30°	6468.8	6451.6	6623.7	6744.4	6977.1	7054.9	7339.1	7494.1	7657.6	7649.0	7606.1
32.5°	5107.8	5142.6	5280.4	5452.6	5641.9	5883.2	6150.2	6494.5	6641.4	6675.8	6598.0
35°	3798.8	3850.3	3979.5	4125.9	4358.6	4625.7	4995.7	5323.3	5573.2	5573.2	5512.6
37.5°	2739.2	2756.3	2877.0	2971.9	3212.7	3454.0	3773.0	4220.8	4375.8	4435.8	4375.8
40°	1869.4	1869.4	1938.0	2041.5	2239.4	2446.4	2739.2	3074.8	3299.0	3393.9	3290.4
42.5°	1188.9	1206.0	1257.5	1326.7	1473.1	1653.8	1877.9	2127.8	2291.4	2360.0	2265.6
45°	714.8	732.0	775.4	826.9	921.8	1033.9	1188.9	1369.6	1507.4	1567.5	1524.6
47.5°	430.6	447.8	464.9	499.8	568.4	646.2	723.4	826.9	913.2	921.8	904.7
50°	249.9	249.9	267.1	292.8	327.1	370.5	413.4	473.5	499.8	534.1	499.8
52.5°	163.6	163.6	163.6	172.1	189.3	207.0	224.2	258.5	275.6	275.6	267.1
55°	120.7	120.7	120.7	120.7	129.2	129.2	129.2	137.8	146.4	146.4	146.4
57.5°	86.3	86.3	86.3	94.9	94.9	94.9	86.3	86.3	86.3	86.3	86.3
60°	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	60.1	60.1	60.1
62.5°	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
65°	34.3	34.3	34.3	42.9	42.9	42.9	42.9	34.3	34.3	34.3	34.3
67.5°	25.7	25.7	25.7	34.3	34.3	34.3	34.3	34.3	25.7	25.7	25.7
70°	17.2	17.2	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
72.5°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
75°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
77.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
80°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
82.5°	0.0	0.0	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
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°	13670.0	13670.0	13670.0	13670.0	13670.0	13670.0	13670.0	13670.0
2.5°	13704.4	13661.5	13661.5	13661.5	13644.3	13661.5	13687.2	13644.3
5°	13558.0	13575.1	13497.9	13558.0	13583.7	13540.8	13644.3	13558.0
7.5°	13428.7	13403.0	13282.3	13368.7	13420.1	13437.3	13428.7	13360.1
10°	13170.3	13110.2	13058.2	13058.2	13041.0	13032.4	13127.4	13093.0
12.5°	12705.3	12748.2	12671.0	12713.9	12679.6	12688.2	12696.7	12679.6
15°	12309.0	12266.1	12162.6	12231.3	12188.4	12145.5	12231.3	12102.1
17.5°	11688.6	11680.0	11620.0	11577.1	11594.2	11585.6	11628.5	11568.5
20°	10956.6	10973.8	10939.5	10922.3	10896.6	10836.0	10888.0	10818.8
22.5°	10164.0	10181.2	10216.1	10146.9	10155.5	10069.7	10146.9	10069.7
25°	9362.9	9354.3	9311.4	9277.1	9182.2	9087.3	9070.1	9010.0
27.5°	8484.5	8424.5	8321.0	8208.9	8062.5	7933.3	7924.7	7881.8
30°	7519.8	7390.6	7201.3	7020.0	6796.4	6598.0	6598.0	6529.4
32.5°	6503.6	6210.3	5951.8	5728.2	5435.4	5323.3	5211.3	5151.2
35°	5289.0	5030.5	4720.1	4350.0	4212.2	3936.6	3953.8	3815.9
37.5°	4143.1	3824.5	3531.7	3230.4	2989.0	2859.8	2790.6	2722.0
40°	3074.8	2764.9	2446.4	2248.0	2032.9	1920.8	1877.9	1860.8
42.5°	2101.6	1843.1	1636.6	1473.1	1361.0	1240.3	1206.0	1188.9
45°	1369.6	1223.2	1033.9	904.7	826.9	758.3	758.3	732.0
47.5°	818.3	723.4	629.0	542.7	491.2	447.8	430.6	422.0
50°	456.3	404.9	353.4	318.5	284.2	258.5	249.9	249.9
52.5°	249.9	224.2	207.0	180.7	163.6	163.6	163.6	155.0
55°	129.2	129.2	129.2	129.2	120.7	120.7	120.7	112.1
57.5°	86.3	86.3	94.9	94.9	94.9	86.3	86.3	86.3
60°	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
62.5°	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
65°	34.3	42.9	42.9	42.9	42.9	34.3	34.3	34.3
67.5°	25.7	34.3	34.3	34.3	25.7	25.7	25.7	25.7
70°	25.7	25.7	25.7	25.7	25.7	17.2	17.2	17.2
72.5°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
75°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
77.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
80°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
82.5°	8.6	8.6	8.6	8.6	8.6	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)