

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: **LX6C10D010 EX6C109027 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: LX6C10D010 EX6C109027 6LBSQLI
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBSQ TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

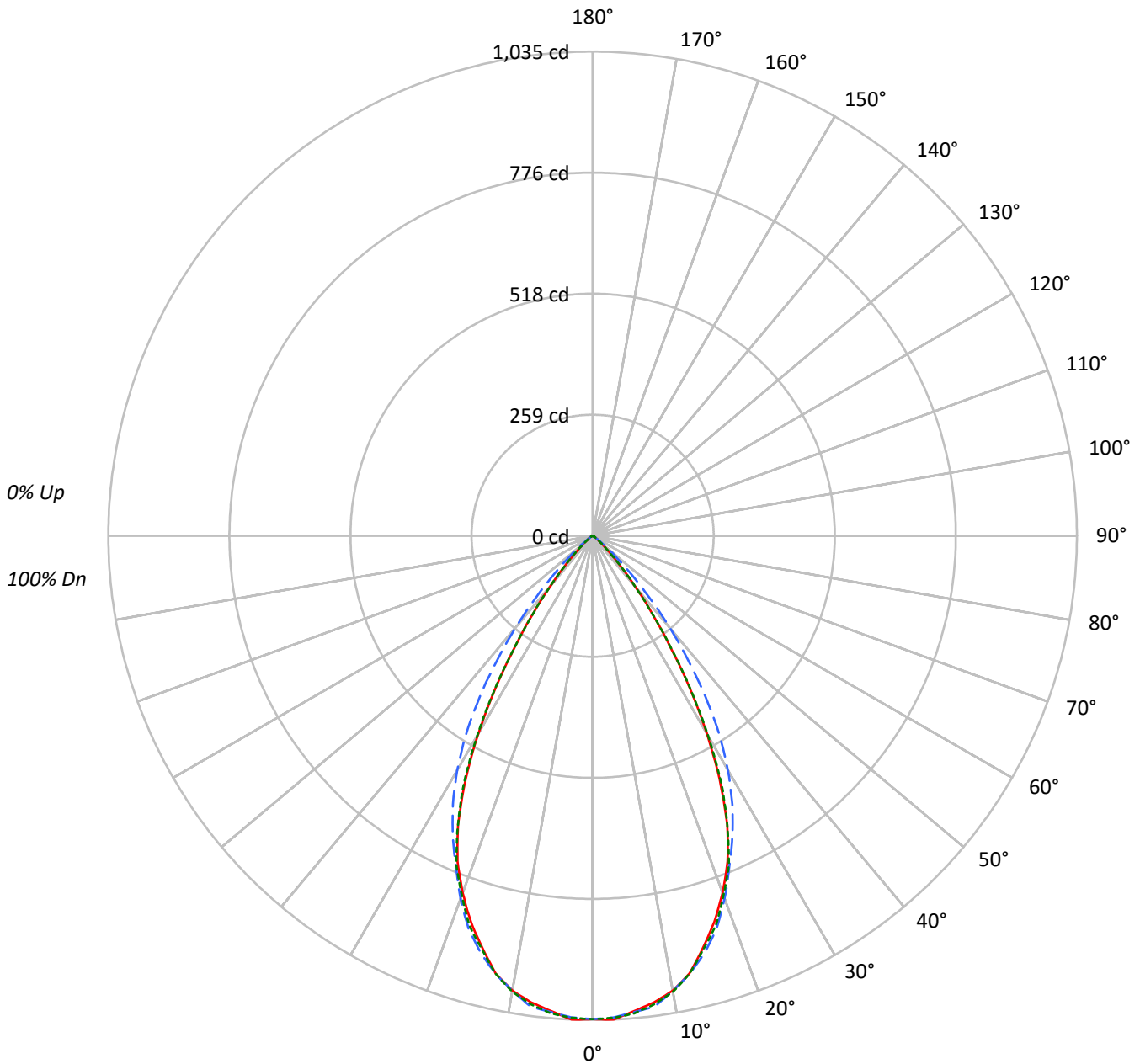
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 970.9 lumens
Efficiency: N/A
Efficacy: 99.1 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): 9.8
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	82	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°	44489	44489	44489
5°	44067	44180	44292
10°	43152	43152	43270
15°	40630	41151	40777
20°	37200	37796	37471
25°	32324	33592	32352
30°	24311	28746	24535
35°	15090	22144	15159
40°	7942	14417	7908
45°	3288	7215	3367
50°	1266	2706	1266
55°	683	833	638
60°	448	388	448
65°	265	265	265
70°	164	239	164
75°	100	100	100
80°	149	149	149
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.7	10.0
10°-20°	257.3	26.5
20°-30°	315.8	32.5
30°-40°	218.0	22.5
40°-50°	68.2	7.0
50°-60°	10.6	1.1
60°-70°	3.1	0.3
70°-80°	1.0	0.1
80°-90°	0.2	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°	669.9	69.0
0°-40°	887.9	91.4
0°-60°	966.7	99.6
0°-90°	970.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	970.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1033	1033	1033	1033	1033	
5°	1020	1024	1022	1023	1025	96
15°	912	925	923	922	915	255
25°	680	698	707	702	681	305
35°	287	340	421	343	288	183
45°	54	74	118	73	55	48
55°	9	10	11	10	8	9
65°	3	3	3	3	3	3
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P#

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1033.3	1033.3	1033.3	1033.3	1033.3	1033.3	1033.3	1033.3	1033.3	1033.3	1033.3
2.5°	1035.2	1020.9	1030.0	1028.1	1033.3	1036.5	1033.3	1039.1	1035.2	1030.7	1032.0
5°	1019.6	1021.6	1020.9	1022.2	1023.5	1023.5	1030.0	1030.7	1032.0	1022.2	1024.8
7.5°	1005.9	1005.9	1009.2	1007.9	1012.5	1011.2	1011.8	1017.0	1017.6	1015.0	1013.1
10°	987.0	984.4	981.2	981.2	987.0	987.7	992.9	993.6	997.5	987.0	988.4
12.5°	957.8	956.4	951.2	953.8	958.4	955.8	964.3	964.9	963.6	959.1	961.7
15°	911.5	916.8	915.4	914.8	925.2	923.9	923.2	925.2	925.8	923.2	921.3
17.5°	865.3	869.9	870.5	871.8	873.7	875.7	878.3	885.5	882.9	880.9	887.4
20°	811.9	809.9	815.2	820.4	822.3	822.3	826.2	831.4	827.5	824.9	825.6
22.5°	754.0	757.2	754.6	759.8	762.4	765.7	769.6	774.2	770.9	763.7	772.2
25°	680.4	682.3	690.8	690.2	694.1	701.9	707.7	707.7	707.7	707.1	707.1
27.5°	587.9	586.6	597.1	604.2	614.0	626.4	634.2	646.5	648.5	646.5	642.0
30°	489.0	487.7	500.7	509.8	527.4	533.3	554.7	566.5	578.8	578.2	574.9
32.5°	386.1	388.7	399.1	412.1	426.5	444.7	464.9	490.9	502.0	504.6	498.7
35°	287.1	291.0	300.8	311.9	329.5	349.6	377.6	402.4	421.3	421.3	416.7
37.5°	207.0	208.3	217.5	224.6	242.8	261.1	285.2	319.0	330.8	335.3	330.8
40°	141.3	141.3	146.5	154.3	169.3	184.9	207.0	232.4	249.4	256.5	248.7
42.5°	89.9	91.2	95.1	100.3	111.3	125.0	141.9	160.8	173.2	178.4	171.3
45°	54.0	55.3	58.6	62.5	69.7	78.1	89.9	103.5	113.9	118.5	115.2
47.5°	32.5	33.8	35.1	37.8	43.0	48.8	54.7	62.5	69.0	69.7	68.4
50°	18.9	18.9	20.2	22.1	24.7	28.0	31.3	35.8	37.8	40.4	37.8
52.5°	12.4	12.4	12.4	13.0	14.3	15.6	16.9	19.5	20.8	20.8	20.2
55°	9.1	9.1	9.1	9.1	9.8	9.8	9.8	10.4	11.1	11.1	11.1
57.5°	6.5	6.5	6.5	7.2	7.2	7.2	6.5	6.5	6.5	6.5	6.5
60°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	4.5	4.5	4.5
62.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
65°	2.6	2.6	2.6	3.2	3.2	3.2	3.2	2.6	2.6	2.6	2.6
67.5°	1.9	1.9	1.9	2.6	2.6	2.6	2.6	2.6	1.9	1.9	1.9
70°	1.3	1.3	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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°	1033.3	1033.3	1033.3	1033.3	1033.3	1033.3	1033.3	1033.3
2.5°	1035.9	1032.6	1032.6	1032.6	1031.3	1032.6	1034.6	1031.3
5°	1024.8	1026.1	1020.3	1024.8	1026.8	1023.5	1031.3	1024.8
7.5°	1015.0	1013.1	1004.0	1010.5	1014.4	1015.7	1015.0	1009.9
10°	995.5	991.0	987.0	987.0	985.7	985.1	992.3	989.7
12.5°	960.4	963.6	957.8	961.0	958.4	959.1	959.7	958.4
15°	930.4	927.2	919.3	924.5	921.3	918.0	924.5	914.8
17.5°	883.5	882.9	878.3	875.1	876.4	875.7	879.0	874.4
20°	828.2	829.5	826.9	825.6	823.6	819.1	823.0	817.8
22.5°	768.3	769.6	772.2	767.0	767.6	761.1	767.0	761.1
25°	707.7	707.1	703.8	701.2	694.1	686.9	685.6	681.0
27.5°	641.3	636.8	629.0	620.5	609.4	599.7	599.0	595.8
30°	568.4	558.6	544.3	530.6	513.7	498.7	498.7	493.5
32.5°	491.6	469.4	449.9	433.0	410.9	402.4	393.9	389.4
35°	399.8	380.2	356.8	328.8	318.4	297.6	298.9	288.4
37.5°	313.2	289.1	267.0	244.2	225.9	216.2	210.9	205.7
40°	232.4	209.0	184.9	169.9	153.7	145.2	141.9	140.7
42.5°	158.9	139.3	123.7	111.3	102.9	93.8	91.2	89.9
45°	103.5	92.5	78.1	68.4	62.5	57.3	57.3	55.3
47.5°	61.9	54.7	47.5	41.0	37.1	33.8	32.5	31.9
50°	34.5	30.6	26.7	24.1	21.5	19.5	18.9	18.9
52.5°	18.9	16.9	15.6	13.7	12.4	12.4	12.4	11.7
55°	9.8	9.8	9.8	9.8	9.1	9.1	9.1	8.5
57.5°	6.5	6.5	7.2	7.2	7.2	6.5	6.5	6.5
60°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
62.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
65°	2.6	3.2	3.2	3.2	3.2	2.6	2.6	2.6
67.5°	1.9	2.6	2.6	2.6	1.9	1.9	1.9	1.9
70°	1.9	1.9	1.9	1.9	1.9	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
75°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
77.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	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)