

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 EX6C1309035 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 EX6C1309035 6LBSQLI
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBSQ TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

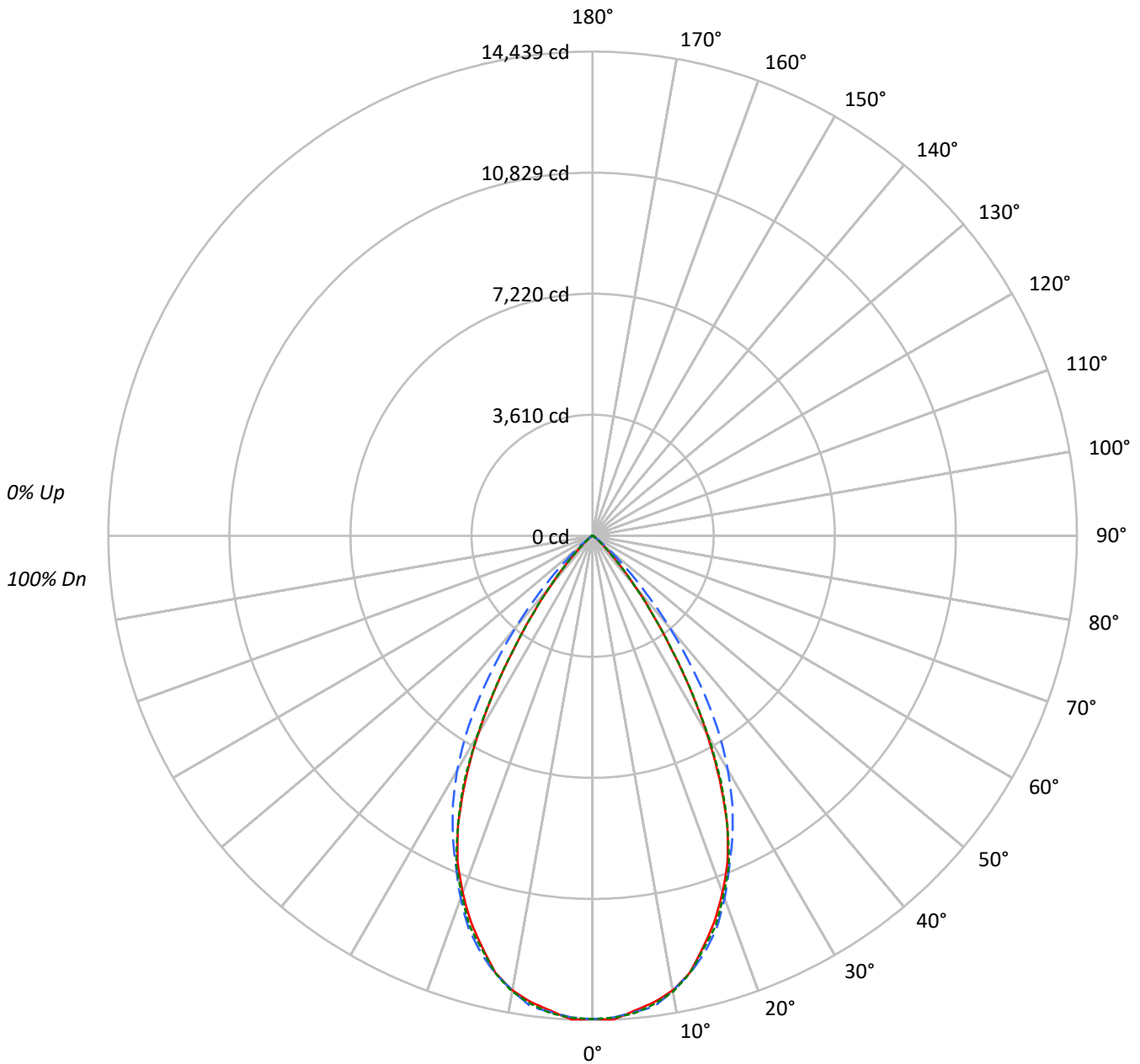
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13542.9 lumens
Efficiency: N/A
Efficacy: 93.9 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): 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°	620510	620510	620510
5°	614642	616207	617771
10°	601878	601878	603483
15°	566698	573977	568713
20°	518844	527187	522601
25°	450833	468506	451261
30°	339051	400918	342228
35°	210503	308829	211454
40°	110769	201108	110258
45°	45887	100621	46989
50°	17650	37718	17650
55°	9548	11583	8873
60°	6278	5451	6278
65°	3688	3688	3688
70°	2279	3412	2279
75°	1497	1497	1497
80°	2232	2232	2232
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1349.2	10.0
10°-20°	3589.0	26.5
20°-30°	4404.8	32.5
30°-40°	3040.7	22.5
40°-50°	950.7	7.0
50°-60°	148.6	1.1
60°-70°	42.8	0.3
70°-80°	14.0	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°	9343.0	69.0
0°-40°	12383.7	91.4
0°-60°	13483.0	99.6
0°-90°	13542.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13542.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14412	14412	14412	14412	14412	
5°	14221	14276	14257	14262	14294	###
15°	12714	12895	12877	12859	12759	3556
25°	9490	9735	9862	9799	9499	4252
35°	4005	4736	5876	4781	4023	2558
45°	754	1031	1652	1022	772	675
55°	127	136	154	136	118	124
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°	14411.8	14411.8	14411.8	14411.8	14411.8	14411.8	14411.8	14411.8	14411.8	14411.8	14411.8
2.5°	14438.9	14239.3	14366.5	14338.8	14411.8	14457.0	14411.8	14493.2	14438.9	14375.6	14393.7
5°	14221.2	14248.4	14239.3	14257.4	14275.5	14275.5	14366.5	14375.6	14393.7	14257.4	14293.6
7.5°	14030.1	14030.1	14075.9	14057.3	14121.2	14103.1	14112.1	14184.5	14193.5	14157.3	14130.2
10°	13766.7	13730.5	13685.3	13685.3	13766.7	13775.7	13848.7	13857.7	13912.0	13766.7	13785.3
12.5°	13358.5	13339.9	13267.5	13303.7	13367.6	13330.8	13449.0	13458.0	13439.9	13376.6	13412.8
15°	12713.5	12786.4	12767.7	12758.7	12904.0	12885.9	12876.8	12904.0	12913.0	12876.8	12849.7
17.5°	12069.0	12132.3	12141.3	12159.4	12186.6	12214.3	12250.4	12350.5	12313.8	12286.6	12377.6
20°	11323.8	11296.7	11369.6	11442.0	11469.1	11469.1	11524.0	11596.3	11542.1	11505.9	11514.9
22.5°	10516.0	10561.2	10525.0	10597.4	10634.1	10679.3	10733.6	10797.5	10751.7	10652.2	10770.4
25°	9489.9	9517.0	9635.2	9626.1	9680.4	9789.5	9870.9	9870.9	9870.9	9861.9	9861.9
27.5°	8200.3	8182.2	8327.5	8427.0	8563.3	8736.3	8844.8	9017.2	9044.9	9017.2	8953.9
30°	6819.7	6801.7	6983.1	7110.3	7355.7	7437.7	7737.3	7900.7	8073.1	8064.1	8018.8
32.5°	5384.9	5421.6	5566.9	5748.4	5948.0	6202.4	6483.9	6846.9	7001.8	7038.0	6956.0
35°	4004.9	4059.2	4195.4	4349.8	4595.1	4876.7	5266.7	5612.2	5875.6	5875.6	5811.7
37.5°	2887.8	2905.9	3033.1	3133.1	3387.0	3641.4	3977.8	4449.8	4613.2	4676.5	4613.2
40°	1970.8	1970.8	2043.2	2152.3	2360.9	2579.1	2887.8	3241.7	3478.0	3578.1	3469.0
42.5°	1253.4	1271.5	1325.7	1398.7	1553.0	1743.5	1979.8	2243.3	2415.7	2488.1	2388.6
45°	753.6	771.7	817.5	871.8	971.8	1090.0	1253.4	1443.9	1589.2	1652.5	1607.3
47.5°	454.0	472.1	490.2	526.9	599.3	681.2	762.6	871.8	962.8	971.8	953.7
50°	263.5	263.5	281.5	308.7	344.9	390.7	435.9	499.2	526.9	563.1	526.9
52.5°	172.4	172.4	172.4	181.5	199.6	218.2	236.3	272.5	290.6	290.6	281.5
55°	127.2	127.2	127.2	127.2	136.2	136.2	136.2	145.3	154.3	154.3	154.3
57.5°	91.0	91.0	91.0	100.1	100.1	100.1	91.0	91.0	91.0	91.0	91.0
60°	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	63.3	63.3	63.3
62.5°	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
65°	36.2	36.2	36.2	45.2	45.2	45.2	45.2	36.2	36.2	36.2	36.2
67.5°	27.1	27.1	27.1	36.2	36.2	36.2	36.2	36.2	27.1	27.1	27.1
70°	18.1	18.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
72.5°	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
75°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
77.5°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
80°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
82.5°	0.0	0.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
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°	14411.8	14411.8	14411.8	14411.8	14411.8	14411.8	14411.8	14411.8
2.5°	14447.9	14402.7	14402.7	14402.7	14384.6	14402.7	14429.8	14384.6
5°	14293.6	14311.7	14230.3	14293.6	14320.7	14275.5	14384.6	14293.6
7.5°	14157.3	14130.2	14003.0	14094.0	14148.3	14166.4	14157.3	14085.0
10°	13884.9	13821.5	13766.7	13766.7	13748.6	13739.6	13839.6	13803.4
12.5°	13394.7	13439.9	13358.5	13403.7	13367.6	13376.6	13385.7	13367.6
15°	12976.9	12931.7	12822.6	12894.9	12849.7	12804.5	12894.9	12758.7
17.5°	12322.8	12313.8	12250.4	12205.2	12223.3	12214.3	12259.5	12196.2
20°	11551.1	11569.2	11533.0	11514.9	11487.8	11423.9	11478.7	11405.8
22.5°	10715.5	10733.6	10770.4	10697.4	10706.5	10616.0	10697.4	10616.0
25°	9870.9	9861.9	9816.6	9780.5	9680.4	9580.3	9562.2	9498.9
27.5°	8944.9	8881.6	8772.4	8654.3	8499.9	8363.7	8354.7	8309.4
30°	7927.8	7791.6	7592.0	7400.9	7165.2	6956.0	6956.0	6883.6
32.5°	6856.5	6547.2	6274.8	6039.0	5730.3	5612.2	5494.0	5430.7
35°	5576.0	5303.5	4976.2	4586.1	4440.8	4150.2	4168.3	4023.0
37.5°	4367.8	4032.0	3723.4	3405.6	3151.2	3015.0	2942.1	2869.7
40°	3241.7	2914.9	2579.1	2369.9	2143.2	2025.1	1979.8	1961.7
42.5°	2215.6	1943.1	1725.4	1553.0	1434.8	1307.6	1271.5	1253.4
45°	1443.9	1289.5	1090.0	953.7	871.8	799.4	799.4	771.7
47.5°	862.7	762.6	663.1	572.1	517.9	472.1	454.0	444.9
50°	481.1	426.8	372.6	335.8	299.6	272.5	263.5	263.5
52.5°	263.5	236.3	218.2	190.5	172.4	172.4	172.4	163.4
55°	136.2	136.2	136.2	136.2	127.2	127.2	127.2	118.2
57.5°	91.0	91.0	100.1	100.1	100.1	91.0	91.0	91.0
60°	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
62.5°	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
65°	36.2	45.2	45.2	45.2	45.2	36.2	36.2	36.2
67.5°	27.1	36.2	36.2	36.2	27.1	27.1	27.1	27.1
70°	27.1	27.1	27.1	27.1	27.1	18.1	18.1	18.1
72.5°	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
75°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
77.5°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
80°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
82.5°	9.0	9.0	9.0	9.0	9.0	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)