

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 EX6C1309050 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 EX6C1309050 6LBSQLI
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBSQ TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

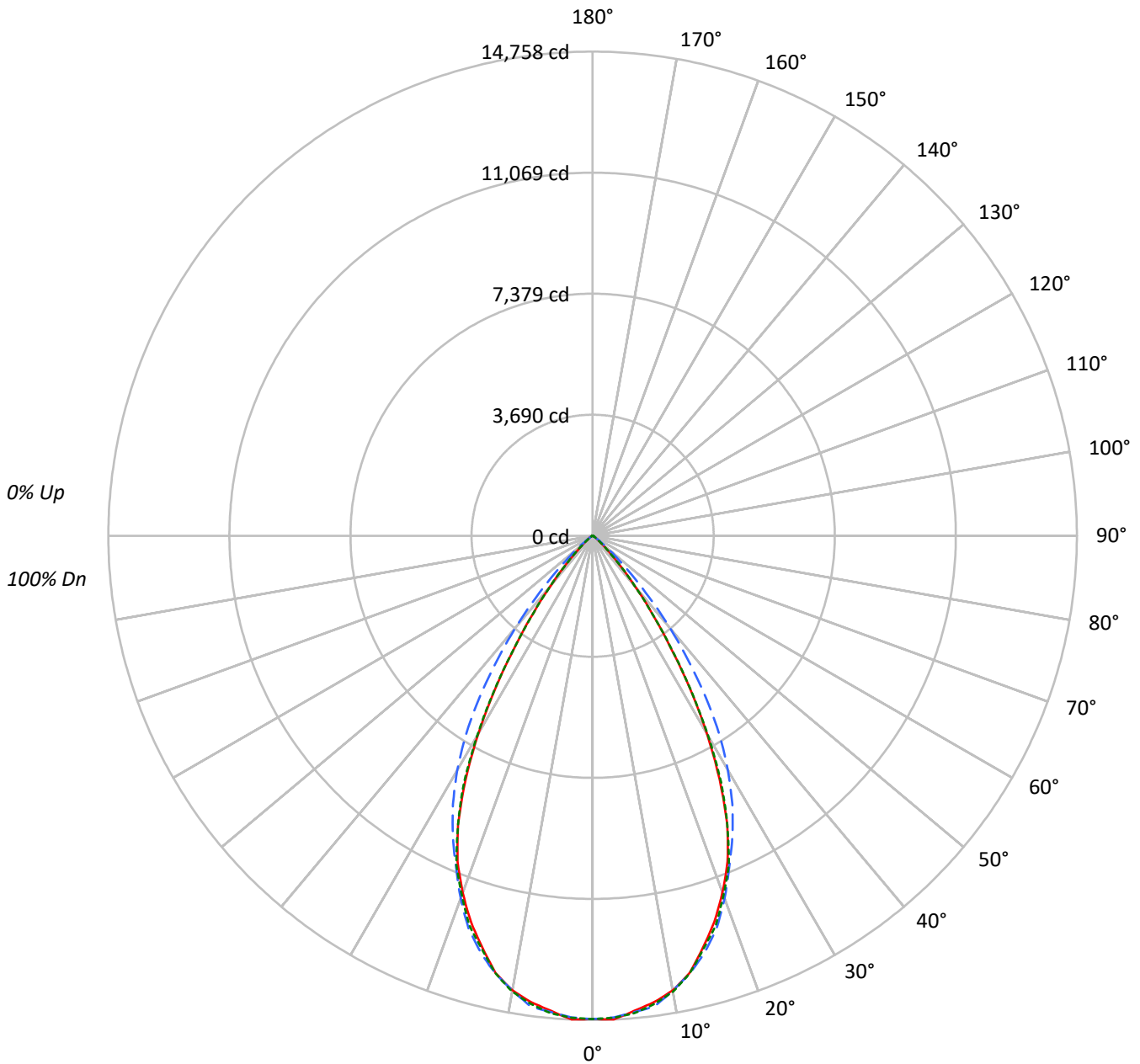
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13841.9 lumens
Efficiency: N/A
Efficacy: 95.9 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°	634206	634206	634206
5°	628213	629812	631411
10°	615165	615165	616809
15°	579206	586649	581269
20°	530299	538825	534138
25°	460786	478848	461223
30°	346538	409767	349785
35°	215149	315646	216121
40°	113214	205548	112697
45°	46897	102843	48024
50°	18038	38549	18038
55°	9758	11838	9068
60°	6415	5571	6415
65°	3769	3769	3769
70°	2329	3487	2329
75°	1530	1530	1530
80°	2281	2281	2281
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1379.0	10.0
10°-20°	3668.3	26.5
20°-30°	4502.0	32.5
30°-40°	3107.9	22.5
40°-50°	971.7	7.0
50°-60°	151.8	1.1
60°-70°	43.8	0.3
70°-80°	14.3	0.1
80°-90°	3.2	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°	9549.2	69.0
0°-40°	12657.1	91.4
0°-60°	13780.7	99.6
0°-90°	13841.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13841.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14730	14730	14730	14730	14730	
5°	14535	14591	14572	14577	14609	###
15°	12994	13180	13161	13143	13040	3634
25°	9699	9950	10080	10015	9709	4346
35°	4093	4840	6005	4887	4112	2615
45°	770	1054	1689	1044	789	690
55°	130	139	158	139	121	127
65°	37	46	37	46	37	41
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°	14729.9	14729.9	14729.9	14729.9	14729.9	14729.9	14729.9	14729.9	14729.9	14729.9	14729.9
2.5°	14757.7	14553.7	14683.7	14655.4	14729.9	14776.2	14729.9	14813.1	14757.7	14693.0	14711.4
5°	14535.2	14562.9	14553.7	14572.2	14590.7	14590.7	14683.7	14693.0	14711.4	14572.2	14609.2
7.5°	14339.9	14339.9	14386.7	14367.6	14432.9	14414.4	14423.7	14497.6	14506.9	14469.9	14442.2
10°	14070.6	14033.7	13987.4	13987.4	14070.6	14079.9	14154.4	14163.7	14219.1	14070.6	14089.7
12.5°	13653.4	13634.4	13560.4	13597.4	13662.7	13625.1	13745.9	13755.1	13736.6	13671.9	13708.9
15°	12994.1	13068.7	13049.6	13040.4	13188.9	13170.4	13161.1	13188.9	13198.1	13161.1	13133.4
17.5°	12335.4	12400.1	12409.4	12427.9	12455.6	12483.9	12520.9	12623.2	12585.6	12557.9	12650.9
20°	11573.8	11546.1	11620.7	11694.6	11722.3	11722.3	11778.4	11852.4	11796.9	11759.9	11769.2
22.5°	10748.1	10794.4	10757.4	10831.3	10868.9	10915.1	10970.6	11035.9	10989.1	10887.4	11008.2
25°	9699.4	9727.1	9847.9	9838.6	9894.1	10005.6	10088.8	10088.8	10088.8	10079.6	10079.6
27.5°	8381.4	8362.9	8511.4	8613.1	8752.3	8929.1	9040.1	9216.3	9244.6	9216.3	9151.6
30°	6970.3	6951.8	7137.3	7267.3	7518.1	7601.9	7908.1	8075.1	8251.3	8242.1	8195.9
32.5°	5503.8	5541.3	5689.8	5875.3	6079.3	6339.3	6627.1	6998.0	7156.4	7193.4	7109.6
35°	4093.3	4148.8	4288.0	4445.8	4696.6	4984.3	5383.0	5736.1	6005.3	6005.3	5940.0
37.5°	2951.5	2970.0	3100.0	3202.3	3461.8	3721.8	4065.6	4548.1	4715.1	4779.8	4715.1
40°	2014.3	2014.3	2088.3	2199.8	2413.0	2636.0	2951.5	3313.3	3554.8	3657.1	3545.5
42.5°	1281.0	1299.5	1355.0	1429.5	1587.3	1782.0	2023.5	2292.8	2469.0	2543.0	2441.3
45°	770.2	788.7	835.5	891.0	993.3	1114.0	1281.0	1475.8	1624.3	1689.0	1642.8
47.5°	464.0	482.5	501.0	538.5	612.5	696.3	779.5	891.0	984.0	993.3	974.8
50°	269.3	269.3	287.8	315.5	352.5	399.3	445.5	510.2	538.5	575.5	538.5
52.5°	176.2	176.2	176.2	185.5	204.0	223.0	241.5	278.5	297.0	297.0	287.8
55°	130.0	130.0	130.0	130.0	139.3	139.3	139.3	148.5	157.7	157.7	157.7
57.5°	93.0	93.0	93.0	102.3	102.3	102.3	93.0	93.0	93.0	93.0	93.0
60°	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	64.7	64.7	64.7
62.5°	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
65°	37.0	37.0	37.0	46.2	46.2	46.2	46.2	37.0	37.0	37.0	37.0
67.5°	27.7	27.7	27.7	37.0	37.0	37.0	37.0	37.0	27.7	27.7	27.7
70°	18.5	18.5	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
72.5°	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
75°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
77.5°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
80°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
82.5°	0.0	0.0	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
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°	14729.9	14729.9	14729.9	14729.9	14729.9	14729.9	14729.9	14729.9
2.5°	14766.9	14720.7	14720.7	14720.7	14702.2	14720.7	14748.4	14702.2
5°	14609.2	14627.7	14544.4	14609.2	14636.9	14590.7	14702.2	14609.2
7.5°	14469.9	14442.2	14312.2	14405.2	14460.7	14479.2	14469.9	14395.9
10°	14191.4	14126.7	14070.6	14070.6	14052.1	14042.9	14145.2	14108.2
12.5°	13690.4	13736.6	13653.4	13699.7	13662.7	13671.9	13681.2	13662.7
15°	13263.4	13217.2	13105.7	13179.6	13133.4	13087.2	13179.6	13040.4
17.5°	12594.9	12585.6	12520.9	12474.7	12493.2	12483.9	12530.1	12465.4
20°	11806.1	11824.6	11787.6	11769.2	11741.4	11676.1	11732.2	11657.6
22.5°	10952.1	10970.6	11008.2	10933.6	10942.9	10850.4	10933.6	10850.4
25°	10088.8	10079.6	10033.4	9996.4	9894.1	9791.8	9773.3	9708.6
27.5°	9142.4	9077.6	8966.1	8845.4	8687.6	8548.4	8539.1	8492.9
30°	8102.8	7963.6	7759.6	7564.3	7323.4	7109.6	7109.6	7035.6
32.5°	7007.9	6691.8	6413.3	6172.3	5856.8	5736.1	5615.3	5550.6
35°	5699.1	5420.6	5086.0	4687.3	4538.8	4241.8	4260.3	4111.8
37.5°	4464.3	4121.1	3805.6	3480.8	3220.8	3081.5	3007.0	2933.0
40°	3313.3	2979.3	2636.0	2422.2	2190.5	2069.8	2023.5	2005.1
42.5°	2264.5	1986.0	1763.5	1587.3	1466.5	1336.5	1299.5	1281.0
45°	1475.8	1318.0	1114.0	974.8	891.0	817.0	817.0	788.7
47.5°	881.8	779.5	677.8	584.8	529.3	482.5	464.0	454.7
50°	491.7	436.3	380.8	343.2	306.2	278.5	269.3	269.3
52.5°	269.3	241.5	223.0	194.7	176.2	176.2	176.2	167.0
55°	139.3	139.3	139.3	139.3	130.0	130.0	130.0	120.8
57.5°	93.0	93.0	102.3	102.3	102.3	93.0	93.0	93.0
60°	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
62.5°	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
65°	37.0	46.2	46.2	46.2	46.2	37.0	37.0	37.0
67.5°	27.7	37.0	37.0	37.0	27.7	27.7	27.7	27.7
70°	27.7	27.7	27.7	27.7	27.7	18.5	18.5	18.5
72.5°	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
75°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
77.5°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
80°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
82.5°	9.2	9.2	9.2	9.2	9.2	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)