

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 EX6C1309040 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 EX6C1309040 6LBSQLI
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBSQ TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

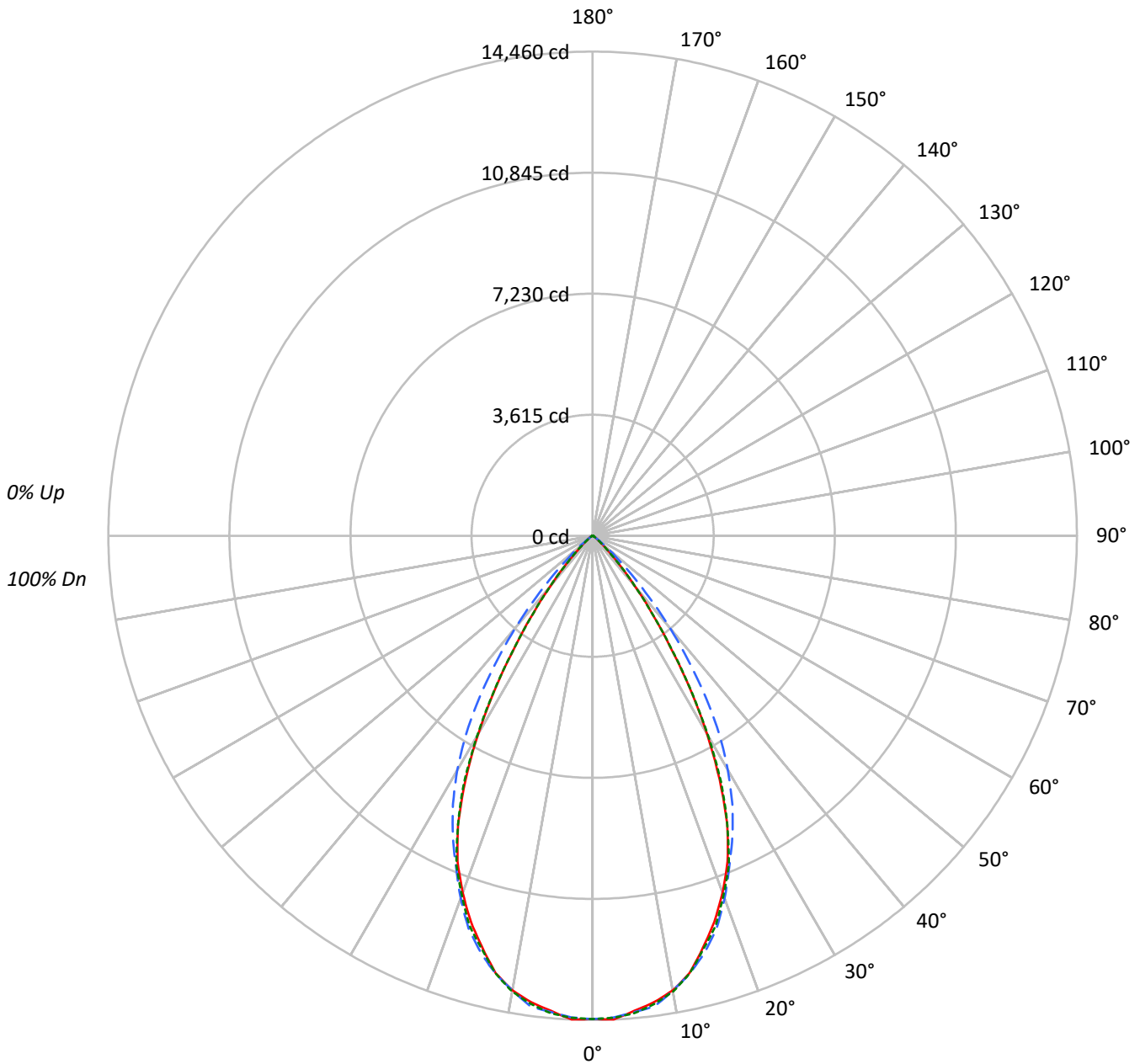
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13563.0 lumens
Efficiency: N/A
Efficacy: 94.0 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									
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°	621422	621422	621422
5°	615550	617119	618683
10°	602766	602766	604375
15°	567531	574828	569551
20°	519614	527966	523375
25°	451499	469195	451926
30°	339553	401510	342735
35°	210813	309286	211764
40°	110932	201400	110421
45°	45954	100767	47056
50°	17670	37772	17670
55°	9563	11605	8880
60°	6286	5459	6286
65°	3688	3688	3688
70°	2279	3424	2279
75°	1514	1514	1514
80°	2256	2256	2256
85°	0	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1351.2	10.0
10°-20°	3594.3	26.5
20°-30°	4411.3	32.5
30°-40°	3045.2	22.5
40°-50°	952.1	7.0
50°-60°	148.8	1.1
60°-70°	42.9	0.3
70°-80°	14.1	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°	9356.8	69.0
0°-40°	12402.0	91.4
0°-60°	13502.9	99.6
0°-90°	13563.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13563.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14433	14433	14433	14433	14433	
5°	14242	14297	14278	14283	14315	###
15°	12732	12914	12896	12878	12778	3561
25°	9504	9749	9876	9813	9513	4258
35°	4011	4743	5884	4788	4029	2562
45°	755	1032	1655	1023	773	676
55°	127	136	155	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°	14433.0	14433.0	14433.0	14433.0	14433.0	14433.0	14433.0	14433.0	14433.0	14433.0	14433.0
2.5°	14460.2	14260.3	14387.7	14360.0	14433.0	14478.3	14433.0	14514.6	14460.2	14396.8	14414.9
5°	14242.2	14269.4	14260.3	14278.5	14296.6	14296.6	14387.7	14396.8	14414.9	14278.5	14314.7
7.5°	14050.9	14050.9	14096.7	14078.0	14142.0	14123.9	14133.0	14205.4	14214.5	14178.3	14151.1
10°	13787.0	13750.8	13705.5	13705.5	13787.0	13796.1	13869.1	13878.2	13932.5	13787.0	13805.7
12.5°	13378.2	13359.6	13287.1	13323.3	13387.3	13350.5	13468.8	13477.9	13459.8	13396.4	13432.6
15°	12732.2	12805.3	12786.6	12777.5	12923.0	12904.9	12895.9	12923.0	12932.1	12895.9	12868.7
17.5°	12086.8	12150.2	12159.3	12177.4	12204.6	12232.3	12268.5	12368.7	12331.9	12304.8	12395.9
20°	11340.6	11313.4	11386.4	11458.9	11486.1	11486.1	11541.0	11613.5	11559.1	11522.9	11531.9
22.5°	10531.5	10576.8	10540.6	10613.0	10649.8	10695.1	10749.5	10813.5	10767.6	10667.9	10786.3
25°	9503.9	9531.1	9649.4	9640.3	9694.7	9804.0	9885.5	9885.5	9885.5	9876.4	9876.4
27.5°	8212.4	8194.3	8339.8	8439.5	8575.9	8749.2	8857.9	9030.6	9058.3	9030.6	8967.1
30°	6829.8	6811.7	6993.4	7120.8	7366.6	7448.7	7748.7	7912.4	8085.0	8076.0	8030.7
32.5°	5392.9	5429.7	5575.2	5756.9	5956.8	6211.5	6493.5	6857.0	7012.1	7048.4	6966.3
35°	4010.8	4065.2	4201.6	4356.2	4601.9	4883.9	5274.5	5620.5	5884.3	5884.3	5820.3
37.5°	2892.0	2910.2	3037.6	3137.8	3392.0	3646.8	3983.6	4456.4	4620.0	4683.4	4620.0
40°	1973.7	1973.7	2046.2	2155.4	2364.4	2582.9	2892.0	3246.5	3483.1	3583.3	3474.1
42.5°	1255.2	1273.3	1327.7	1400.7	1555.3	1746.1	1982.8	2246.6	2419.3	2491.8	2392.1
45°	754.7	772.8	818.7	873.0	973.3	1091.6	1255.2	1446.0	1591.5	1654.9	1609.6
47.5°	454.6	472.8	490.9	527.7	600.1	682.2	763.8	873.0	964.2	973.3	955.1
50°	263.8	263.8	282.0	309.1	345.4	391.2	436.5	499.9	527.7	563.9	527.7
52.5°	172.7	172.7	172.7	181.7	199.9	218.5	236.7	272.9	291.0	291.0	282.0
55°	127.4	127.4	127.4	127.4	136.4	136.4	136.4	145.5	154.6	154.6	154.6
57.5°	91.2	91.2	91.2	100.2	100.2	100.2	91.2	91.2	91.2	91.2	91.2
60°	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	63.4	63.4	63.4
62.5°	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
65°	36.2	36.2	36.2	45.3	45.3	45.3	45.3	36.2	36.2	36.2	36.2
67.5°	27.2	27.2	27.2	36.2	36.2	36.2	36.2	36.2	27.2	27.2	27.2
70°	18.1	18.1	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
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°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
77.5°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
80°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
82.5°	0.0	0.0	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
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°	14433.0	14433.0	14433.0	14433.0	14433.0	14433.0	14433.0	14433.0
2.5°	14469.3	14424.0	14424.0	14424.0	14405.9	14424.0	14451.2	14405.9
5°	14314.7	14332.8	14251.3	14314.7	14341.9	14296.6	14405.9	14314.7
7.5°	14178.3	14151.1	14023.7	14114.8	14169.2	14187.3	14178.3	14105.8
10°	13905.4	13841.9	13787.0	13787.0	13768.9	13759.8	13860.1	13823.8
12.5°	13414.5	13459.8	13378.2	13423.5	13387.3	13396.4	13405.4	13387.3
15°	12996.1	12950.8	12841.5	12914.0	12868.7	12823.4	12914.0	12777.5
17.5°	12341.0	12331.9	12268.5	12223.2	12241.4	12232.3	12277.6	12214.2
20°	11568.2	11586.3	11550.1	11531.9	11504.8	11440.8	11495.7	11422.7
22.5°	10731.4	10749.5	10786.3	10713.2	10722.3	10631.7	10713.2	10631.7
25°	9885.5	9876.4	9831.1	9794.9	9694.7	9594.5	9576.4	9512.9
27.5°	8958.1	8894.7	8785.4	8667.1	8512.5	8376.1	8367.0	8321.7
30°	7939.5	7803.1	7603.2	7411.8	7175.8	6966.3	6966.3	6893.8
32.5°	6866.6	6556.9	6284.0	6047.9	5738.8	5620.5	5502.1	5438.7
35°	5584.2	5311.3	4983.5	4592.8	4447.3	4156.3	4174.4	4028.9
37.5°	4374.3	4038.0	3728.9	3410.7	3155.9	3019.4	2946.4	2873.9
40°	3246.5	2919.2	2582.9	2373.4	2146.4	2028.1	1982.8	1964.6
42.5°	2218.9	1946.0	1728.0	1555.3	1437.0	1309.6	1273.3	1255.2
45°	1446.0	1291.5	1091.6	955.1	873.0	800.6	800.6	772.8
47.5°	864.0	763.8	664.1	573.0	518.6	472.8	454.6	445.6
50°	481.8	427.5	373.1	336.3	300.1	272.9	263.8	263.8
52.5°	263.8	236.7	218.5	190.8	172.7	172.7	172.7	163.6
55°	136.4	136.4	136.4	136.4	127.4	127.4	127.4	118.3
57.5°	91.2	91.2	100.2	100.2	100.2	91.2	91.2	91.2
60°	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
62.5°	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
65°	36.2	45.3	45.3	45.3	45.3	36.2	36.2	36.2
67.5°	27.2	36.2	36.2	36.2	27.2	27.2	27.2	27.2
70°	27.2	27.2	27.2	27.2	27.2	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°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
77.5°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
80°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
82.5°	9.1	9.1	9.1	9.1	9.1	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)