

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: **LX6C100D010 EX6C1009035 6LCSQWH**

Issue Date: 2/16/2022

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-24)
Test Lab: INNOVATION CENTER
Issue Date: 2/16/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C100D010 EX6C1009035 6LCSQWH
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

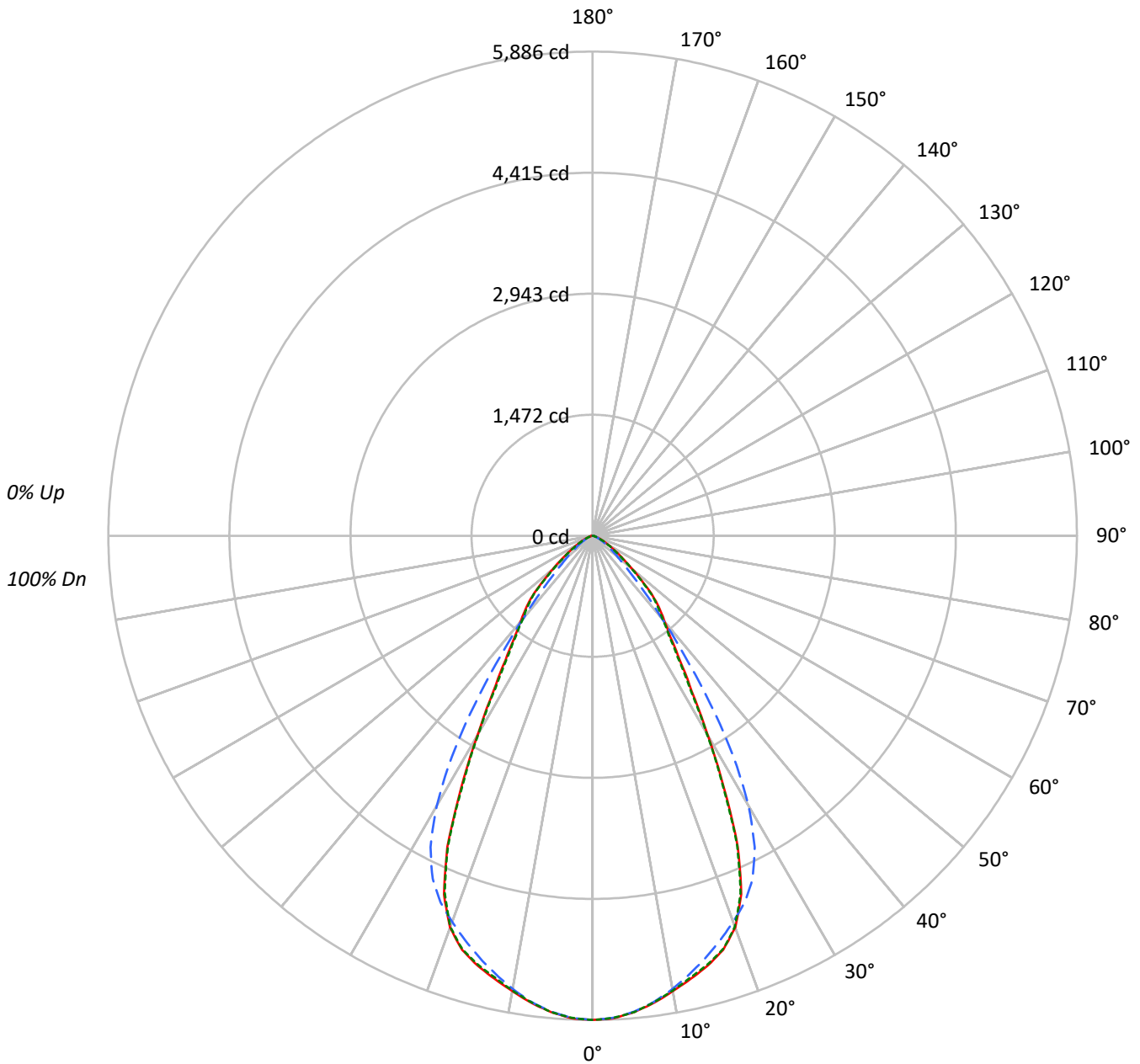
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6448.0 lumens
Efficiency: N/A
Efficacy: 56.4 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.95 / 0.97
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 114.4
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	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	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92																											
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84																											
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77																											
4	95	86	80	76	93	85	79	75	83	78	74	81	77	73	79	75	72	71																											
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65																											
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60																											
7	80	70	63	58	78	69	63	58	68	62	58	66	61	58	65	61	57	56																											
8	75	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52																											
9	72	61	55	50	70	61	54	50	60	54	50	59	54	50	58	53	50	48																											
10	68	58	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45																											

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	253443	253443	253443
5°	251174	250997	251174
10°	245758	244608	245404
15°	241090	236757	240457
20°	232146	228806	231683
25°	198383	218578	197423
30°	138878	188490	137670
35°	97033	131077	94799
40°	76456	73494	74292
45°	63106	41289	62120
50°	42306	26170	40813
55°	27962	17933	26588
60°	18824	12202	17782
65°	12582	8456	11757
70°	8409	6118	7906
75°	5390	4375	5057
80°	3521	3521	3521
85°	3013	3013	3013



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	548.0	8.5
10°-20°	1506.7	23.4
20°-30°	1947.2	30.2
30°-40°	1318.3	20.4
40°-50°	693.7	10.8
50°-60°	290.3	4.5
60°-70°	104.2	1.6
70°-80°	32.4	0.5
80°-90°	7.3	0.1
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°	4001.9	62.1
0°-40°	5320.2	82.5
0°-60°	6304.2	97.8
0°-90°	6448.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6448.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5886	5886	5886	5886	5886	
5°	5812	5810	5807	5810	5812	549
15°	5409	5358	5312	5348	5394	1519
25°	4176	4352	4601	4352	4156	1853
35°	1846	1990	2494	1959	1804	1195
45°	1036	949	678	931	1020	777
55°	372	318	239	312	354	349
65°	124	99	83	97	115	128
75°	32	28	26	26	30	37
85°	6	6	6	6	6	7
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5886.4	5886.4	5886.4	5886.4	5886.4
2.5°	5872.2	5866.1	5864.1	5866.1	5866.1
5°	5811.5	5809.5	5807.4	5809.5	5811.5
7.5°	5726.5	5720.4	5716.3	5716.3	5718.4
10°	5621.2	5611.1	5594.9	5605.0	5613.1
12.5°	5515.9	5491.7	5455.2	5479.5	5499.8
15°	5408.7	5358.1	5311.5	5347.9	5394.5
17.5°	5277.1	5226.5	5153.6	5216.4	5269.0
20°	5066.6	5036.2	4993.7	5036.2	5056.5
22.5°	4720.4	4756.9	4825.7	4750.8	4696.1
25°	4175.9	4352.0	4601.0	4352.0	4155.7
27.5°	3461.4	3767.0	4267.0	3742.7	3431.0
30°	2793.4	3095.0	3791.3	3097.0	2769.1
32.5°	2242.8	2483.7	3186.1	2449.3	2196.3
35°	1846.1	1989.8	2493.8	1959.4	1803.6
37.5°	1554.6	1601.1	1825.8	1574.8	1522.2
40°	1360.3	1321.8	1307.6	1301.6	1321.8
42.5°	1206.4	1115.3	947.3	1093.1	1170.0
45°	1036.4	949.4	678.1	931.1	1020.2
47.5°	815.8	779.3	504.0	763.1	787.4
50°	631.6	583.0	390.7	572.8	609.3
52.5°	485.8	431.2	307.7	417.0	461.5
55°	372.5	317.8	238.9	311.7	354.2
57.5°	287.4	238.9	184.2	230.8	273.3
60°	218.6	180.2	141.7	172.1	206.5
62.5°	164.0	133.6	109.3	129.5	155.9
65°	123.5	99.2	83.0	97.2	115.4
67.5°	91.1	74.9	62.8	70.8	85.0
70°	66.8	54.7	48.6	52.6	62.8
72.5°	46.6	40.5	36.4	38.5	42.5
75°	32.4	28.3	26.3	26.3	30.4
77.5°	22.3	20.2	18.2	20.2	22.3
80°	14.2	14.2	14.2	14.2	14.2
82.5°	10.1	10.1	10.1	10.1	8.1
85°	6.1	6.1	6.1	6.1	6.1
87.5°	4.0	4.0	4.0	4.0	2.0
90°	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)