

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 EX6C109050 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: LX6C10D010 EX6C109050 6LCSQWH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LCSQW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

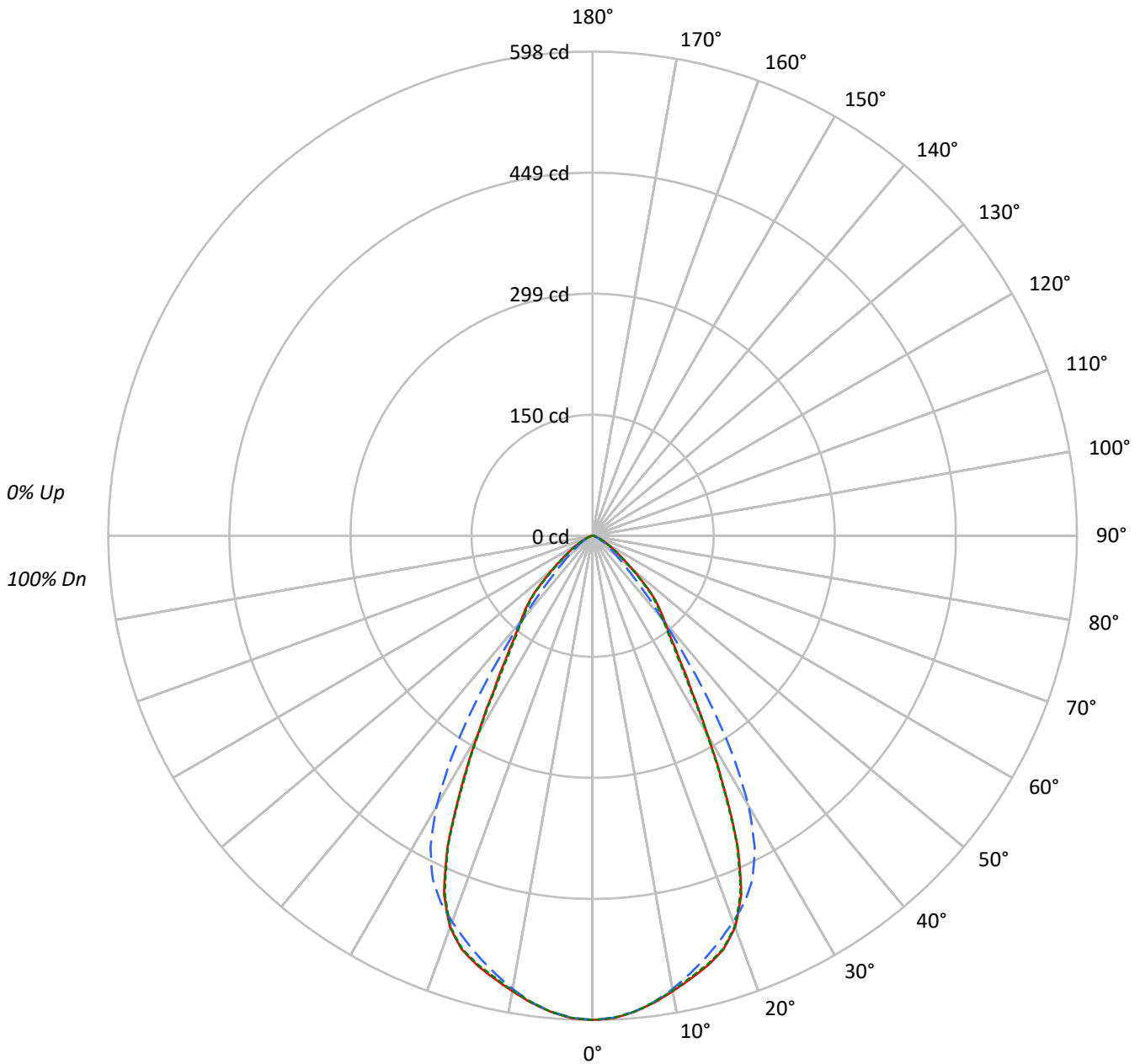
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 655.0 lumens
Efficiency: N/A
Efficacy: 66.8 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): 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	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°	25743	25743	25743
5°	25513	25496	25513
10°	24964	24846	24929
15°	24489	24052	24427
20°	23583	23244	23533
25°	20152	22205	20053
30°	14110	19146	13985
35°	9855	13314	9629
40°	7768	7464	7548
45°	6412	4195	6308
50°	4300	2659	4146
55°	2837	1824	2702
60°	1912	1240	1808
65°	1273	856	1192
70°	856	617	806
75°	549	449	516
80°	347	347	347
85°	296	296	296



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.7	8.5
10°-20°	153.1	23.4
20°-30°	197.8	30.2
30°-40°	133.9	20.4
40°-50°	70.5	10.8
50°-60°	29.5	4.5
60°-70°	10.6	1.6
70°-80°	3.3	0.5
80°-90°	0.7	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°	406.5	62.1
0°-40°	540.4	82.5
0°-60°	640.4	97.8
0°-90°	655.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	655.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	598	598	598	598	598	
5°	590	590	590	590	590	56
15°	549	544	540	543	548	154
25°	424	442	467	442	422	188
35°	188	202	253	199	183	121
45°	105	96	69	95	104	79
55°	38	32	24	32	36	35
65°	12	10	8	10	12	13
75°	3	3	3	3	3	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	597.9	597.9	597.9	597.9	597.9
2.5°	596.5	595.9	595.7	595.9	595.9
5°	590.3	590.1	589.9	590.1	590.3
7.5°	581.7	581.1	580.7	580.7	580.9
10°	571.0	570.0	568.3	569.4	570.2
12.5°	560.3	557.9	554.2	556.6	558.7
15°	549.4	544.3	539.6	543.3	548.0
17.5°	536.1	530.9	523.5	529.9	535.2
20°	514.7	511.6	507.3	511.6	513.6
22.5°	479.5	483.2	490.2	482.6	477.0
25°	424.2	442.1	467.4	442.1	422.1
27.5°	351.6	382.7	433.5	380.2	348.5
30°	283.8	314.4	385.1	314.6	281.3
32.5°	227.8	252.3	323.6	248.8	223.1
35°	187.5	202.1	253.3	199.0	183.2
37.5°	157.9	162.6	185.5	160.0	154.6
40°	138.2	134.3	132.8	132.2	134.3
42.5°	122.6	113.3	96.2	111.0	118.8
45°	105.3	96.4	68.9	94.6	103.6
47.5°	82.9	79.2	51.2	77.5	80.0
50°	64.2	59.2	39.7	58.2	61.9
52.5°	49.3	43.8	31.3	42.4	46.9
55°	37.8	32.3	24.3	31.7	36.0
57.5°	29.2	24.3	18.7	23.4	27.8
60°	22.2	18.3	14.4	17.5	21.0
62.5°	16.7	13.6	11.1	13.2	15.8
65°	12.5	10.1	8.4	9.9	11.7
67.5°	9.3	7.6	6.4	7.2	8.6
70°	6.8	5.6	4.9	5.3	6.4
72.5°	4.7	4.1	3.7	3.9	4.3
75°	3.3	2.9	2.7	2.7	3.1
77.5°	2.3	2.1	1.9	2.1	2.3
80°	1.4	1.4	1.4	1.4	1.4
82.5°	1.0	1.0	1.0	1.0	0.8
85°	0.6	0.6	0.6	0.6	0.6
87.5°	0.4	0.4	0.4	0.4	0.2
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)