

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: P840488

Luminaire Tested: **LD6C08D010 EU6089027 6LCSQWLI**

Issue Date: 2/16/2022

This test was performed under the Supervised Manufacturer's Testing Program. The results of this test have not been influenced by sources from within Cooper Lighting Solutions or from external interests.



Test Information

Test Method: LM-79-08
Report Number: P840488
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-23)
Test Lab: INNOVATION CENTER
Issue Date: 2/16/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C08D010 EU6089027 6LCSQWLI
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 6LCSQW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

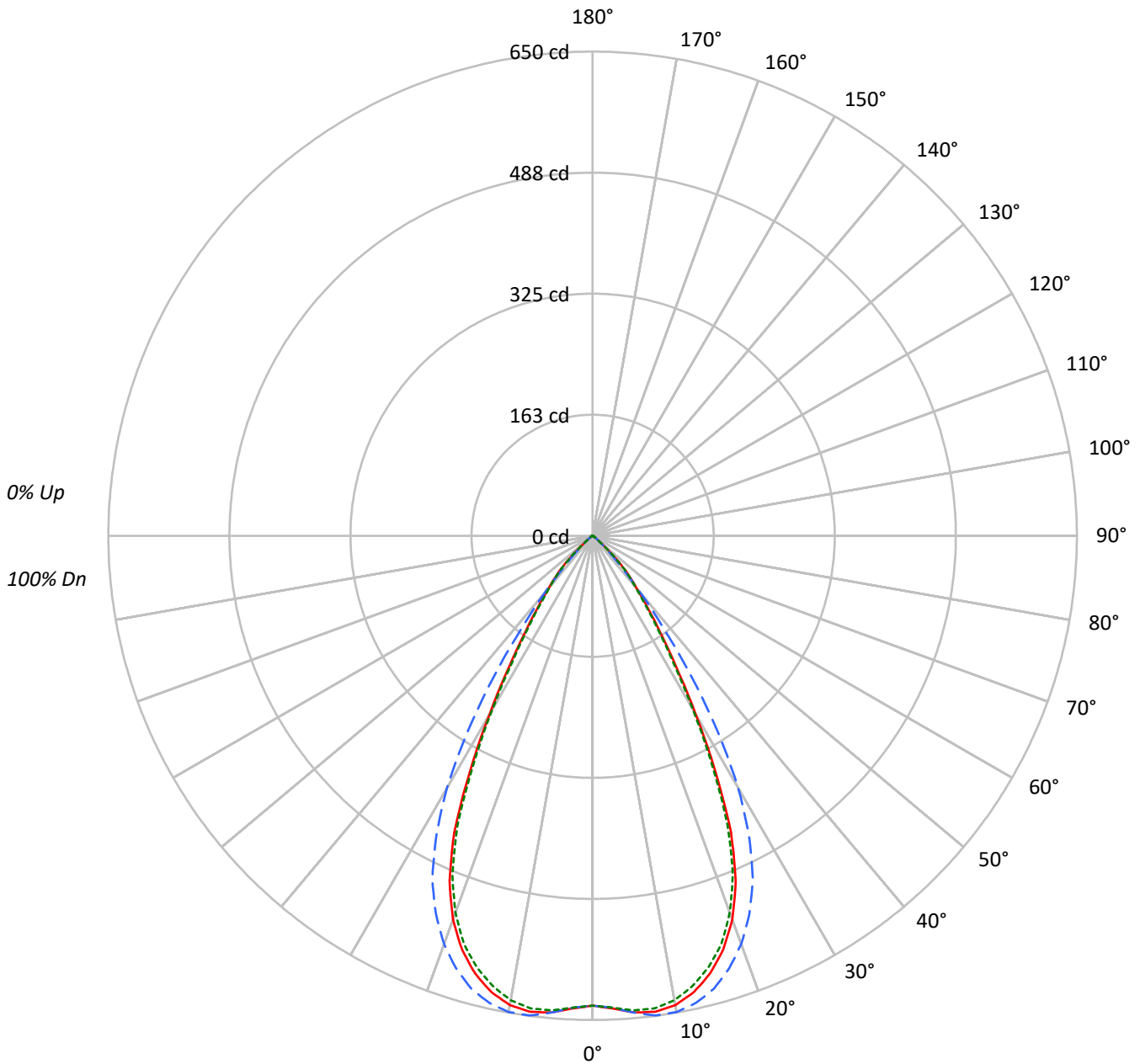
Lumens per Lamp: N/A
Luminaire Lumens: 608.0 lumens
Efficiency: N/A
Efficacy: 61.4 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.94 / 0.94
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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	114	111	108	106	111	109	106	104	105	103	101	101	100	98	97	96	95	94																			
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	93	91	89	87																			
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81																			
4	97	90	85	80	96	89	84	80	87	82	79	85	81	78	83	80	77	76																			
5	93	84	79	74	91	83	78	74	82	77	73	80	76	73	78	75	72	71																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62																			
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58																			
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54																			
10	72	63	57	53	71	62	57	53	61	56	53	61	56	53	60	56	53	51																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	27155	27155	27155
5°	27760	27782	27639
10°	27968	28383	27675
15°	27128	28051	26736
20°	25104	26717	24655
25°	20865	24176	20366
30°	13761	19414	13349
35°	8273	12220	7895
40°	5143	5531	4940
45°	3008	2003	2892
50°	703	690	683
55°	338	323	338
60°	215	198	215
65°	153	132	153
70°	101	101	101
75°	50	83	50
80°	74	74	74
85°	99	99	99



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.3	10.1
10°-20°	172.7	28.4
20°-30°	210.6	34.6
30°-40°	119.5	19.7
40°-50°	36.6	6.0
50°-60°	4.9	0.8
60°-70°	1.5	0.2
70°-80°	0.5	0.1
80°-90°	0.2	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°	444.7	73.1
0°-40°	564.1	92.8
0°-60°	605.7	99.6
0°-90°	608.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	608.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	631	631	631	631	631	
5°	642	642	643	641	640	61
15°	609	622	629	618	600	170
25°	439	477	509	473	429	194
35°	157	180	232	175	150	103
45°	49	52	33	50	48	37
55°	4	5	4	4	4	5
65°	2	2	1	2	2	2
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	630.7	630.7	630.7	630.7	630.7
2.5°	635.3	634.8	634.2	634.0	634.2
5°	642.3	642.5	642.8	641.0	639.5
7.5°	644.5	647.5	649.5	644.7	639.8
10°	639.7	645.8	649.2	641.7	633.0
12.5°	627.5	637.7	642.2	632.5	619.2
15°	608.6	622.3	629.3	617.5	599.8
17.5°	582.6	601.1	609.0	595.8	574.6
20°	547.9	570.0	583.1	566.0	538.1
22.5°	501.8	531.3	549.6	527.6	491.8
25°	439.2	476.9	508.9	472.9	428.7
27.5°	356.9	406.2	454.7	400.9	347.3
30°	276.8	321.5	390.5	317.7	268.5
32.5°	208.1	244.3	313.2	240.0	199.4
35°	157.4	179.9	232.5	174.6	150.2
37.5°	119.7	132.2	155.7	128.4	113.6
40°	91.5	97.0	98.4	94.2	87.9
42.5°	71.5	71.5	57.5	69.4	69.4
45°	49.4	51.7	32.9	49.7	47.5
47.5°	24.8	33.2	18.0	32.0	23.2
50°	10.5	16.3	10.3	15.8	10.2
52.5°	6.3	7.2	6.3	7.2	6.0
55°	4.5	4.7	4.3	4.5	4.5
57.5°	3.3	3.3	3.2	3.3	3.3
60°	2.5	2.5	2.3	2.5	2.5
62.5°	1.8	2.0	1.8	2.0	1.8
65°	1.5	1.5	1.3	1.5	1.5
67.5°	1.2	1.2	1.0	1.2	1.2
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.3	0.5	0.5	0.5	0.3
77.5°	0.3	0.3	0.3	0.3	0.3
80°	0.3	0.3	0.3	0.3	0.3
82.5°	0.2	0.3	0.3	0.3	0.2
85°	0.2	0.2	0.2	0.2	0.2
87.5°	0.2	0.2	0.2	0.2	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)