

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: P840504

Luminaire Tested: **LD6C08D010 EU6089050 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: P840504  
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 EU6089050 6LCSQWLI  
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

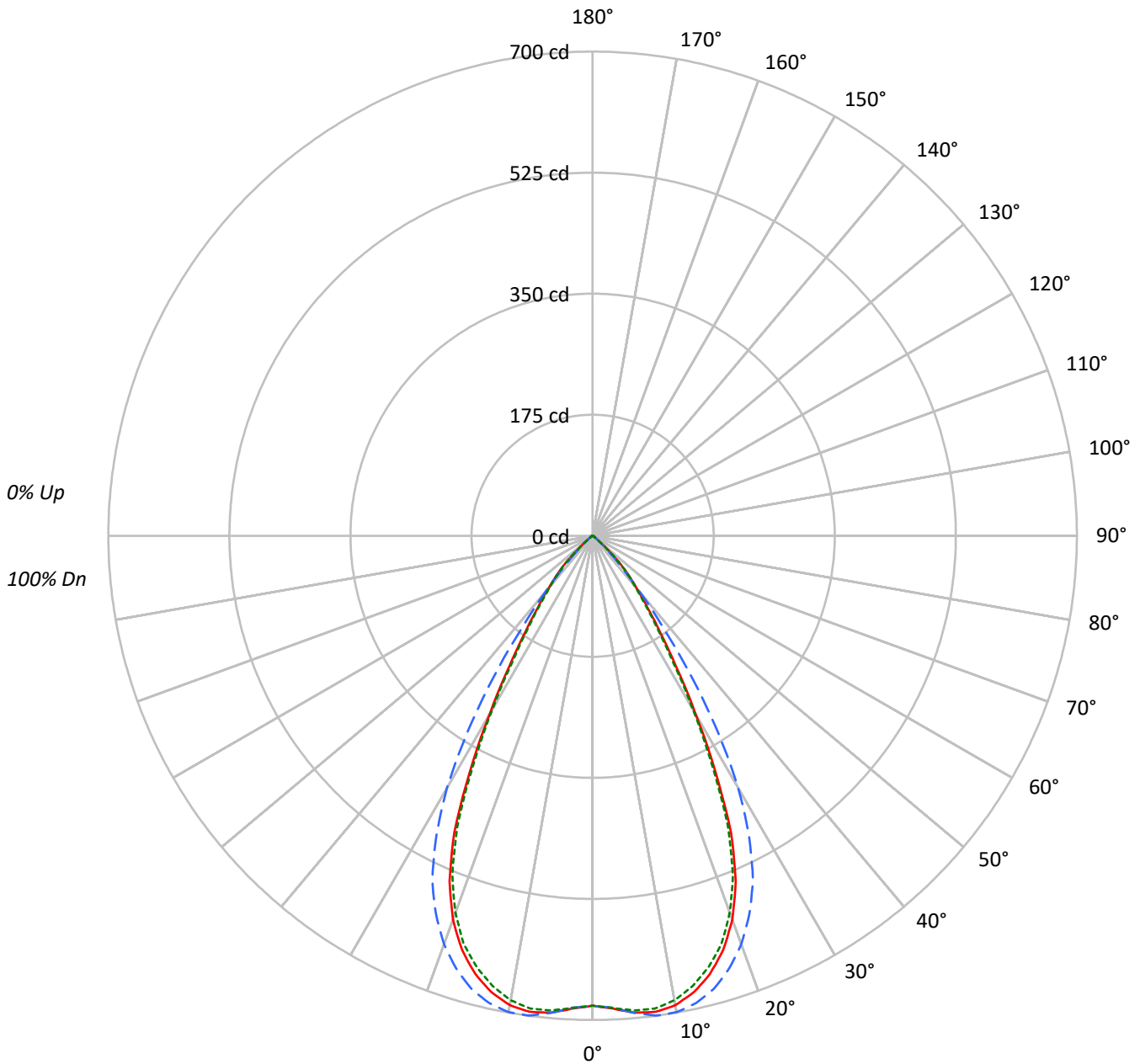
Lumens per Lamp: N/A  
Luminaire Lumens: 655.1 lumens  
Efficiency: N/A  
Efficacy: 66.2 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.94 / 0.94  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.9  
Input Voltage (V):  
Input Current (Ain): 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	99	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	86	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	52	51																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	29252	29252	29252
5°	29908	29930	29774
10°	30127	30578	29813
15°	29227	30222	28804
20°	27047	28783	26561
25°	22480	26048	21943
30°	14825	20916	14378
35°	8914	13161	8510
40°	5542	5958	5323
45°	3239	2156	3118
50°	757	744	737
55°	368	353	368
60°	233	215	233
65°	163	143	163
70°	113	113	113
75°	67	83	67
80°	99	99	99
85°	99	99	99



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.1	10.1
10°-20°	186.1	28.4
20°-30°	226.9	34.6
30°-40°	128.7	19.7
40°-50°	39.5	6.0
50°-60°	5.3	0.8
60°-70°	1.6	0.3
70°-80°	0.6	0.1
80°-90°	0.3	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°	479.0	73.1
0°-40°	607.8	92.8
0°-60°	652.6	99.6
0°-90°	655.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	655.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	679	679	679	679	679	
5°	692	692	692	690	689	66
15°	656	670	678	665	646	183
25°	473	514	548	510	462	209
35°	170	194	250	188	162	111
45°	53	56	35	54	51	40
55°	5	5	5	5	5	5
65°	2	2	1	2	2	2
75°	0	0	0	0	0	1
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°	679.4	679.4	679.4	679.4	679.4
2.5°	684.4	683.9	683.2	683.0	683.2
5°	692.0	692.2	692.5	690.5	688.9
7.5°	694.3	697.6	699.7	694.5	689.3
10°	689.1	695.8	699.4	691.3	681.9
12.5°	676.0	687.0	691.8	681.4	667.0
15°	655.7	670.4	678.0	665.2	646.2
17.5°	627.7	647.6	656.1	641.9	619.0
20°	590.3	614.0	628.2	609.7	579.7
22.5°	540.5	572.3	592.1	568.4	529.8
25°	473.2	513.8	548.3	509.5	461.9
27.5°	384.4	437.6	489.9	431.9	374.2
30°	298.2	346.4	420.7	342.2	289.2
32.5°	224.2	263.2	337.4	258.5	214.9
35°	169.6	193.8	250.4	188.1	161.9
37.5°	129.0	142.5	167.8	138.3	122.3
40°	98.6	104.6	106.0	101.5	94.7
42.5°	77.1	77.1	62.0	74.7	74.7
45°	53.2	55.7	35.4	53.5	51.2
47.5°	26.8	35.7	19.4	34.5	25.0
50°	11.3	17.6	11.1	17.1	11.0
52.5°	6.8	7.7	6.8	7.7	6.5
55°	4.9	5.0	4.7	4.9	4.9
57.5°	3.6	3.6	3.4	3.6	3.6
60°	2.7	2.7	2.5	2.7	2.7
62.5°	2.0	2.2	2.0	2.2	2.0
65°	1.6	1.6	1.4	1.6	1.6
67.5°	1.3	1.3	1.1	1.3	1.3
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.4	0.5	0.5	0.5	0.4
77.5°	0.4	0.4	0.4	0.4	0.4
80°	0.4	0.4	0.4	0.4	0.4
82.5°	0.2	0.4	0.4	0.4	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)