

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: P840543

Luminaire Tested: **LD6C10D010 EU6109050 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: P840543  
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: LD6C10D010 EU6109050 6LCSQWLI  
Description: 6 INCH 1000 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**

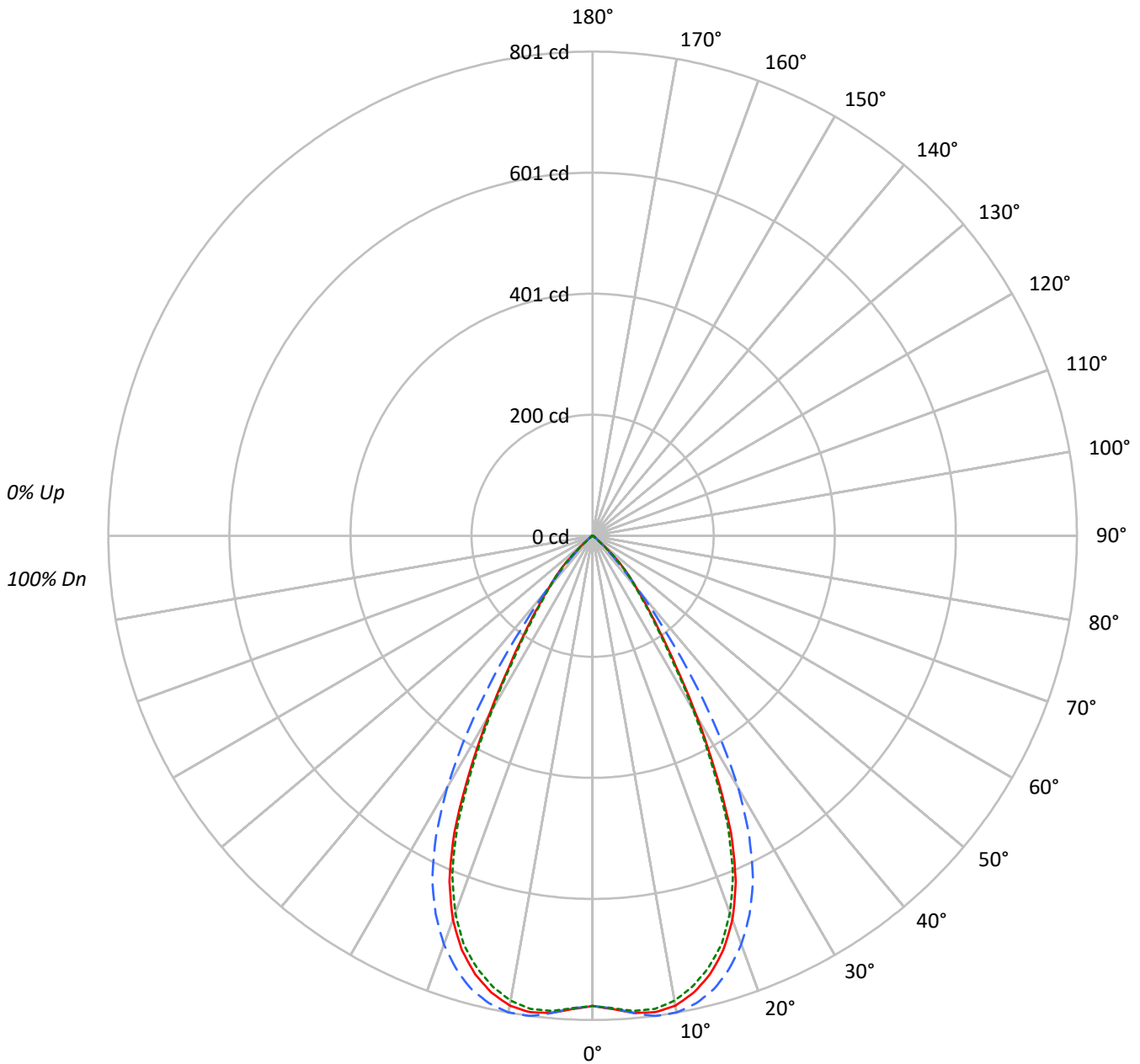
Lumens per Lamp: N/A  
Luminaire Lumens: 750.0 lumens  
Efficiency: N/A  
Efficacy: 76.5 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.94 / 0.94  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.8  
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	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°	33493	33493	33493
5°	34243	34274	34096
10°	34499	35011	34136
15°	33467	34603	32981
20°	30969	32958	30415
25°	25739	29825	25122
30°	16978	23948	16466
35°	10207	15069	9740
40°	6346	6823	6093
45°	3708	2466	3568
50°	871	857	837
55°	420	398	420
60°	267	250	267
65°	194	163	194
70°	126	126	126
75°	67	100	67
80°	99	99	99
85°	99	99	99



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.6	10.1
10°-20°	213.0	28.4
20°-30°	259.8	34.6
30°-40°	147.4	19.7
40°-50°	45.2	6.0
50°-60°	6.1	0.8
60°-70°	1.9	0.2
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°	548.5	73.1
0°-40°	695.9	92.8
0°-60°	747.2	99.6
0°-90°	750.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	750.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	778	778	778	778	778	
5°	792	793	793	791	789	76
15°	751	768	776	762	740	209
25°	542	588	628	583	529	239
35°	194	222	287	215	185	127
45°	61	64	40	61	59	46
55°	6	6	5	6	6	6
65°	2	2	2	2	2	2
75°	0	1	1	1	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°	777.9	777.9	777.9	777.9	777.9
2.5°	783.7	783.1	782.3	782.1	782.3
5°	792.3	792.6	793.0	790.7	788.9
7.5°	795.0	798.7	801.2	795.2	789.3
10°	789.1	796.7	800.8	791.5	780.8
12.5°	774.0	786.6	792.1	780.2	763.8
15°	750.8	767.7	776.3	761.7	739.9
17.5°	718.7	741.5	751.2	735.0	708.8
20°	675.9	703.1	719.3	698.1	663.8
22.5°	618.9	655.4	678.0	650.8	606.6
25°	541.8	588.3	627.8	583.4	528.8
27.5°	440.2	501.1	560.9	494.5	428.5
30°	341.5	396.6	481.7	391.9	331.2
32.5°	256.7	301.3	386.3	296.0	246.0
35°	194.2	221.9	286.7	215.4	185.3
37.5°	147.7	163.1	192.1	158.4	140.1
40°	112.9	119.7	121.4	116.2	108.4
42.5°	88.2	88.2	71.0	85.6	85.6
45°	60.9	63.8	40.5	61.3	58.6
47.5°	30.6	40.9	22.2	39.5	28.6
50°	13.0	20.2	12.8	19.5	12.5
52.5°	7.8	8.8	7.8	8.8	7.4
55°	5.6	5.8	5.3	5.6	5.6
57.5°	4.1	4.1	3.9	4.1	4.1
60°	3.1	3.1	2.9	3.1	3.1
62.5°	2.3	2.5	2.3	2.5	2.3
65°	1.9	1.9	1.6	1.9	1.9
67.5°	1.4	1.4	1.2	1.4	1.4
70°	1.0	1.0	1.0	1.0	1.0
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.4	0.6	0.6	0.6	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)