

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: P840535

Luminaire Tested: **LD6C10D010 EU6109035 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: P840535  
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 EU6109035 6LCSQWLI  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LCSQW TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

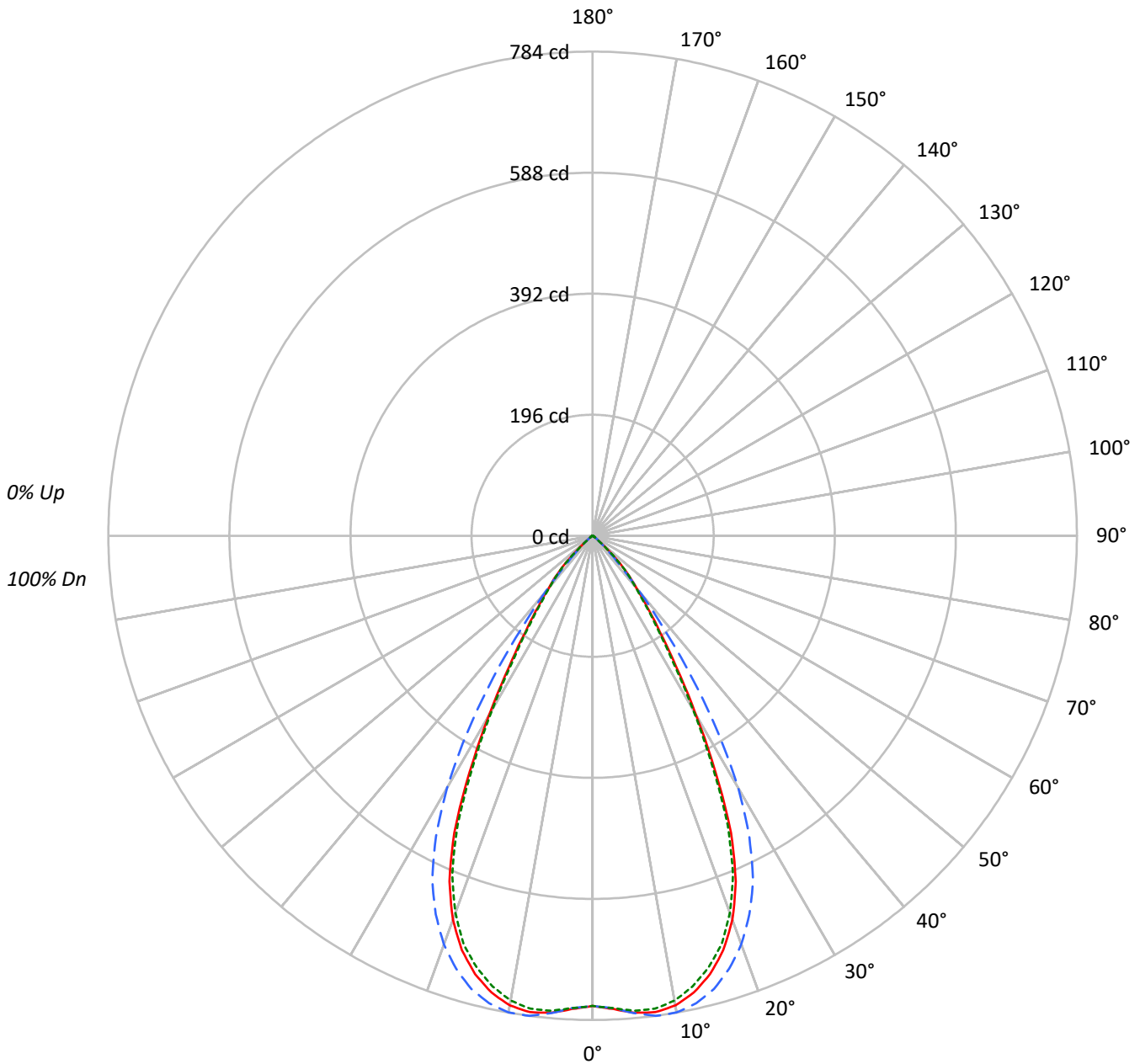
Lumens per Lamp: N/A  
Luminaire Lumens: 734.0 lumens  
Efficiency: N/A  
Efficacy: 74.9 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.94 / 0.94  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.8  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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°	32783	32783	32783
5°	33513	33539	33366
10°	33760	34263	33411
15°	32753	33863	32276
20°	30309	32256	29764
25°	25193	29188	24589
30°	16615	23441	16113
35°	9987	14749	9535
40°	6211	6677	5963
45°	3629	2417	3495
50°	851	837	824
55°	405	390	405
60°	258	241	258
65°	183	163	183
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°	74.0	10.1
10°-20°	208.5	28.4
20°-30°	254.3	34.6
30°-40°	144.3	19.7
40°-50°	44.2	6.0
50°-60°	5.9	0.8
60°-70°	1.8	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°	536.8	73.1
0°-40°	681.1	92.8
0°-60°	731.2	99.6
0°-90°	734.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	734.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	761	761	761	761	761	
5°	775	776	776	774	772	74
15°	735	751	760	746	724	205
25°	530	576	614	571	518	234
35°	190	217	281	211	181	124
45°	60	62	40	60	57	45
55°	5	6	5	5	5	5
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°	761.4	761.4	761.4	761.4	761.4
2.5°	767.0	766.4	765.6	765.4	765.6
5°	775.4	775.6	776.0	773.8	772.0
7.5°	778.1	781.7	784.1	778.3	772.4
10°	772.2	779.7	783.7	774.6	764.2
12.5°	757.5	769.8	775.2	763.6	747.5
15°	734.8	751.3	759.7	745.5	724.1
17.5°	703.4	725.7	735.2	719.3	693.7
20°	661.5	688.1	704.0	683.2	649.6
22.5°	605.7	641.4	663.5	636.9	593.7
25°	530.3	575.7	614.4	570.9	517.6
27.5°	430.8	490.4	549.0	483.9	419.3
30°	334.2	388.1	471.5	383.5	324.1
32.5°	251.2	294.9	378.1	289.7	240.8
35°	190.0	217.2	280.6	210.8	181.4
37.5°	144.5	159.6	188.0	155.0	137.1
40°	110.5	117.2	118.8	113.7	106.1
42.5°	86.4	86.4	69.5	83.7	83.7
45°	59.6	62.4	39.7	60.0	57.4
47.5°	30.0	40.1	21.7	38.7	28.0
50°	12.7	19.7	12.5	19.1	12.3
52.5°	7.6	8.7	7.6	8.7	7.2
55°	5.4	5.6	5.2	5.4	5.4
57.5°	4.0	4.0	3.8	4.0	4.0
60°	3.0	3.0	2.8	3.0	3.0
62.5°	2.2	2.4	2.2	2.4	2.2
65°	1.8	1.8	1.6	1.8	1.8
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)