

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: P799350

Luminaire Tested: **LD6C10D010 EU6109050 6LBMDSWWH**

Issue Date: 4/12/2024

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: P799350
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C10D010 EU6109050 6LBMDSWWH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

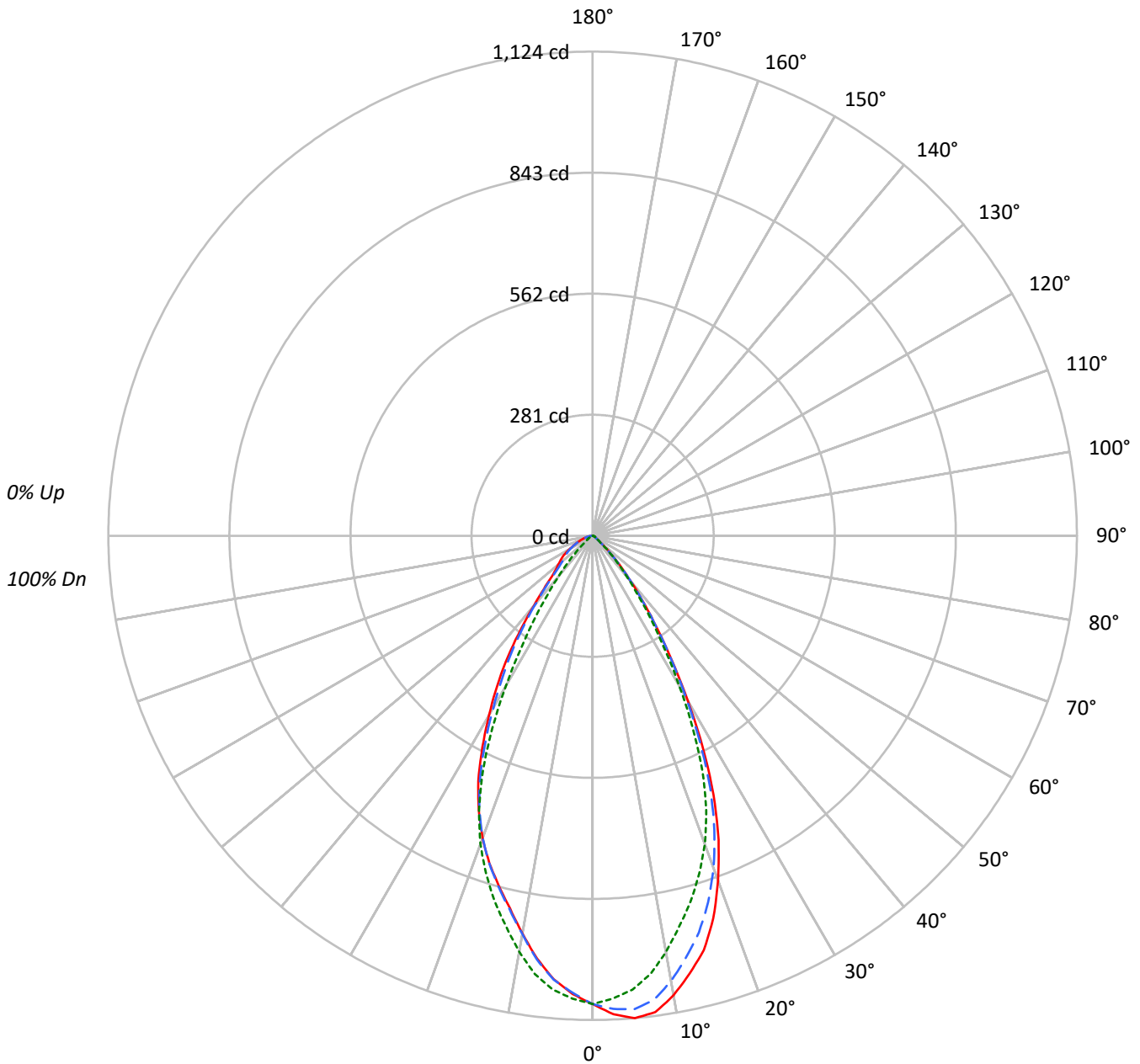
Lumens per Lamp: N/A
Luminaire Lumens: 936.0 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
Input Voltage (V): NR
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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92																			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85																			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78																			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73																			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67																			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63																			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59																			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55																			
9	74	64	58	54	73	63	58	54	62	57	53	61	57	53	61	56	53	52																			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	59600	59600	59600
5°	61864	58199	56884
10°	60281	54592	52187
15°	56538	49881	47724
20°	49634	44407	43561
25°	40139	36480	37986
30°	27909	25415	30403
35°	17199	15566	22941
40°	9733	8723	15236
45°	4729	4512	10396
50°	1800	1800	8836
55°	984	1166	8162
60°	724	921	6688
65°	610	791	5474
70°	529	673	4504
75°	487	699	3876
80°	284	600	2810
85°	314	1195	2642



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.5	10.6
10°-20°	250.1	26.7
20°-30°	281.6	30.1
30°-40°	174.4	18.6
40°-50°	69.4	7.4
50°-60°	31.6	3.4
60°-70°	18.2	1.9
70°-80°	8.6	0.9
80°-90°	2.5	0.3
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°	631.3	67.4
0°-40°	805.6	86.1
0°-60°	906.7	96.9
0°-90°	936.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	936.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1087	1087	1087	1087	1087	
5°	1124	1104	1058	1035	1034	106
15°	996	953	879	843	841	276
25°	664	646	603	618	628	298
35°	257	256	233	324	343	165
45°	61	61	58	127	134	52
55°	10	10	12	75	85	10
65°	5	4	6	42	42	5
75°	2	2	3	18	18	2
85°	0	0	2	4	4	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1087.2	1087.2	1087.2	1087.2	1087.2	1087.2	1087.2	1087.2	1087.2
2.5°	1112.0	1101.7	1099.3	1090.4	1075.4	1067.0	1061.8	1058.1	1064.6
5°	1124.2	1112.9	1103.6	1085.3	1057.6	1042.1	1034.6	1028.5	1033.7
7.5°	1115.3	1099.3	1086.7	1061.4	1026.2	1002.3	991.9	984.9	989.6
10°	1082.9	1063.7	1049.2	1019.1	980.7	952.1	939.4	932.8	937.5
12.5°	1040.7	1024.8	1002.7	969.9	928.6	898.6	889.2	884.1	885.9
15°	996.2	977.4	953.0	920.2	878.9	848.9	843.3	840.0	840.9
17.5°	931.4	913.2	892.0	860.2	822.2	797.8	797.8	795.4	796.8
20°	850.8	840.9	820.3	793.6	761.2	739.2	746.2	743.8	746.7
22.5°	763.5	756.0	738.2	716.2	689.0	671.6	687.1	686.6	690.4
25°	663.6	658.0	645.8	627.1	603.1	592.4	618.1	618.1	628.0
27.5°	553.4	547.8	539.4	523.4	503.7	500.4	538.4	543.1	553.9
30°	440.9	437.1	432.4	417.9	401.5	407.6	460.1	468.1	480.3
32.5°	340.5	338.2	336.7	323.6	309.1	329.2	389.3	399.6	411.8
35°	257.0	251.9	255.6	245.8	232.6	258.0	324.1	333.0	342.8
37.5°	189.5	185.7	189.0	182.0	170.2	197.9	260.3	265.9	272.5
40°	136.0	132.7	135.5	131.3	121.9	147.7	204.0	210.1	212.9
42.5°	96.6	91.0	93.8	90.5	85.8	111.2	160.4	166.0	167.0
45°	61.0	59.1	61.0	59.1	58.2	82.5	126.6	131.8	134.1
47.5°	37.1	34.7	34.7	33.8	34.7	61.0	104.6	112.1	115.8
50°	21.1	20.2	19.7	19.2	21.1	47.8	90.5	99.0	103.6
52.5°	14.1	13.6	13.6	13.1	15.5	40.3	81.6	89.1	93.8
55°	10.3	9.8	9.8	9.8	12.2	34.7	75.0	81.1	85.4
57.5°	8.0	8.0	8.0	7.5	10.3	29.5	67.1	70.4	73.6
60°	6.6	6.1	6.1	6.1	8.4	25.3	57.7	59.1	61.0
62.5°	5.2	5.2	5.2	5.2	7.0	22.5	49.7	49.7	50.7
65°	4.7	4.2	4.2	4.2	6.1	19.7	41.7	41.3	42.2
67.5°	3.8	3.8	3.8	3.8	5.2	16.9	34.2	33.8	34.7
70°	3.3	3.3	3.3	3.3	4.2	14.1	27.7	27.2	28.1
72.5°	2.8	2.8	2.8	2.8	3.8	11.7	22.0	22.0	22.5
75°	2.3	2.3	2.3	2.3	3.3	8.9	17.8	17.8	18.3
77.5°	1.9	1.9	1.9	1.9	2.3	7.0	13.6	13.1	13.1
80°	0.9	1.4	1.4	1.4	1.9	5.2	9.8	8.9	8.9
82.5°	0.5	0.9	0.9	0.9	1.9	3.8	6.6	6.1	6.1
85°	0.5	0.5	0.5	1.4	1.9	2.8	4.2	4.2	4.2
87.5°	0.0	0.5	0.9	1.9	2.3	2.3	2.8	2.3	2.3
90°	0.0	0.0	0.0	0.0	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)