

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: P799326

Luminaire Tested: **LD6C10D010 EU6109035 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: P799326
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 EU6109035 6LBMDSWWH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDSW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

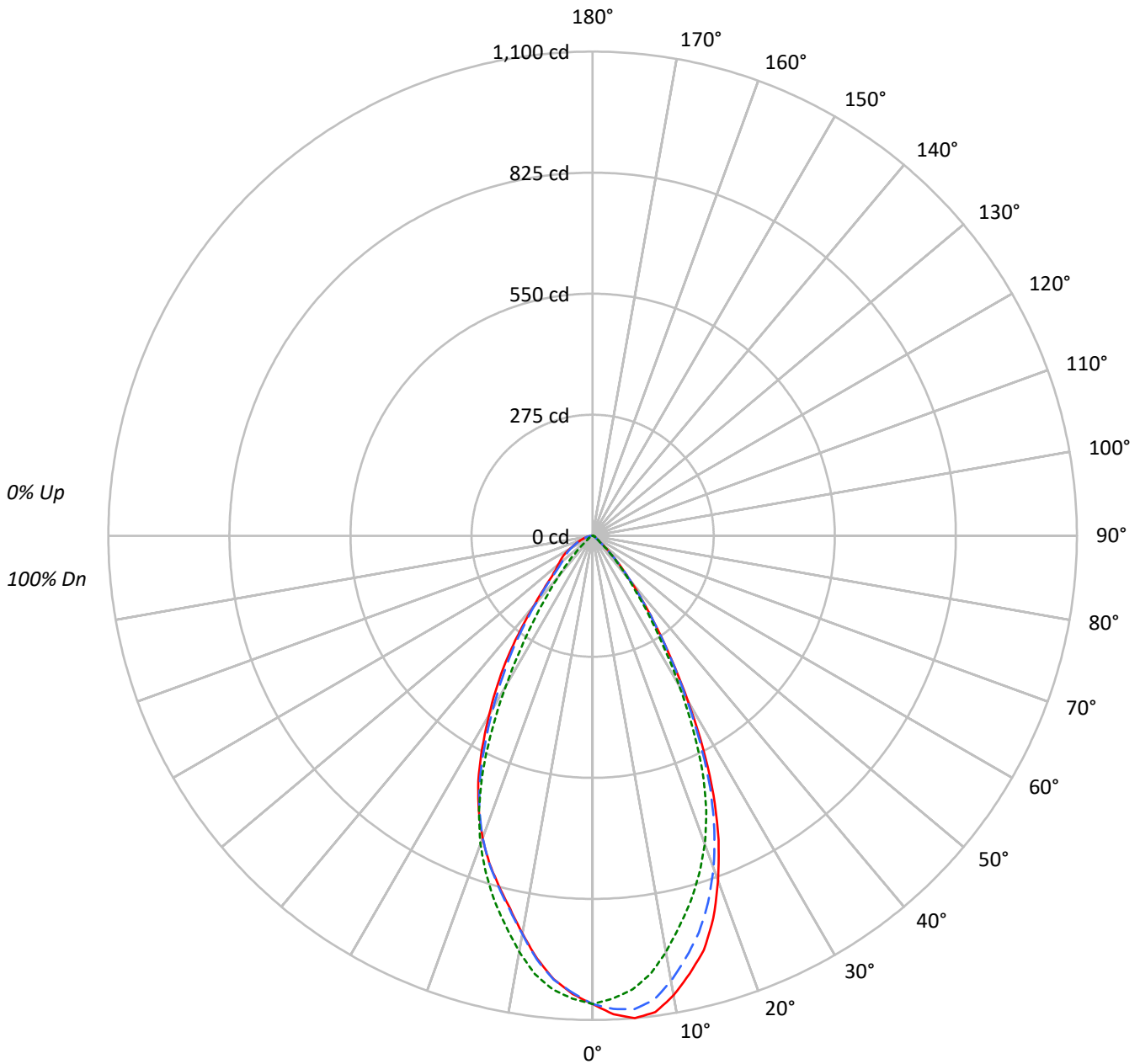
Lumens per Lamp: N/A
Luminaire Lumens: 916.0 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	58323	58323	58323
5°	60544	56956	55668
10°	58995	53423	51073
15°	55329	48814	46709
20°	48573	43456	42628
25°	39287	35706	37176
30°	27308	24871	29751
35°	16831	15238	22453
40°	9525	8537	14914
45°	4628	4411	10179
50°	1765	1765	8648
55°	965	1137	7981
60°	702	910	6546
65°	597	778	5357
70°	513	657	4408
75°	487	678	3791
80°	284	568	2747
85°	314	1132	2579



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.4	10.6
10°-20°	244.8	26.7
20°-30°	275.6	30.1
30°-40°	170.6	18.6
40°-50°	68.0	7.4
50°-60°	30.9	3.4
60°-70°	17.8	1.9
70°-80°	8.4	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°	617.8	67.4
0°-40°	788.4	86.1
0°-60°	887.3	96.9
0°-90°	916.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	916.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1064	1064	1064	1064	1064	
5°	1100	1080	1035	1012	1012	104
15°	975	933	860	825	823	270
25°	650	632	590	605	615	292
35°	252	250	228	317	336	162
45°	60	60	57	124	131	51
55°	10	10	12	73	84	10
65°	5	4	6	41	41	4
75°	2	2	3	17	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°	1063.9	1063.9	1063.9	1063.9	1063.9	1063.9	1063.9	1063.9	1063.9
2.5°	1088.2	1078.2	1075.9	1067.1	1052.4	1044.2	1039.1	1035.5	1041.9
5°	1100.2	1089.2	1080.0	1062.1	1035.0	1019.9	1012.5	1006.5	1011.6
7.5°	1091.5	1075.9	1063.5	1038.7	1004.3	980.8	970.7	963.9	968.5
10°	1059.8	1041.0	1026.7	997.4	959.7	931.7	919.3	912.9	917.5
12.5°	1018.5	1002.9	981.3	949.2	908.8	879.4	870.2	865.2	867.0
15°	974.9	956.5	932.7	900.5	860.1	830.8	825.3	822.0	823.0
17.5°	911.5	893.6	873.0	841.8	804.6	780.7	780.7	778.4	779.8
20°	832.6	823.0	802.8	776.6	744.9	723.4	730.2	727.9	730.7
22.5°	747.2	739.9	722.4	700.9	674.2	657.3	672.4	672.0	675.6
25°	649.5	644.0	632.0	613.7	590.3	579.7	604.9	604.9	614.6
27.5°	541.6	536.1	527.8	512.2	492.9	489.7	526.9	531.5	542.1
30°	431.4	427.8	423.2	409.0	392.9	398.9	450.3	458.1	470.0
32.5°	333.2	330.9	329.5	316.7	302.5	322.2	381.0	391.1	403.0
35°	251.5	246.5	250.1	240.5	227.7	252.4	317.2	325.9	335.5
37.5°	185.4	181.8	185.0	178.1	166.6	193.7	254.7	260.2	266.7
40°	133.1	129.9	132.6	128.5	119.3	144.6	199.7	205.6	208.4
42.5°	94.6	89.0	91.8	88.6	84.0	108.8	157.0	162.5	163.4
45°	59.7	57.8	59.7	57.8	56.9	80.8	123.9	129.0	131.3
47.5°	36.3	34.0	34.0	33.0	34.0	59.7	102.4	109.7	113.4
50°	20.7	19.7	19.3	18.8	20.7	46.8	88.6	96.8	101.4
52.5°	13.8	13.3	13.3	12.9	15.1	39.5	79.9	87.2	91.8
55°	10.1	9.6	9.6	9.6	11.9	34.0	73.4	79.4	83.5
57.5°	7.8	7.8	7.8	7.3	10.1	28.9	65.6	68.8	72.1
60°	6.4	6.0	6.0	6.0	8.3	24.8	56.5	57.8	59.7
62.5°	5.0	5.0	5.0	5.0	6.9	22.0	48.7	48.7	49.6
65°	4.6	4.1	4.1	4.1	6.0	19.3	40.8	40.4	41.3
67.5°	3.7	3.7	3.7	3.7	5.0	16.5	33.5	33.0	34.0
70°	3.2	3.2	3.2	3.2	4.1	13.8	27.1	26.6	27.5
72.5°	2.8	2.8	2.8	2.8	3.7	11.5	21.6	21.6	22.0
75°	2.3	2.3	2.3	2.3	3.2	8.7	17.4	17.4	17.9
77.5°	1.8	1.8	1.8	1.8	2.3	6.9	13.3	12.9	12.9
80°	0.9	1.4	1.4	1.4	1.8	5.0	9.6	8.7	8.7
82.5°	0.5	0.9	0.9	0.9	1.8	3.7	6.4	6.0	6.0
85°	0.5	0.5	0.5	1.4	1.8	2.8	4.1	4.1	4.1
87.5°	0.0	0.5	0.9	1.8	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)