

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: P799331

Luminaire Tested: **LD6C10D010 EU6109040 6LBMDDWMW**

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: P799331
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-6)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C10D010 EU6109040 6LBMDDWMW
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDDW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

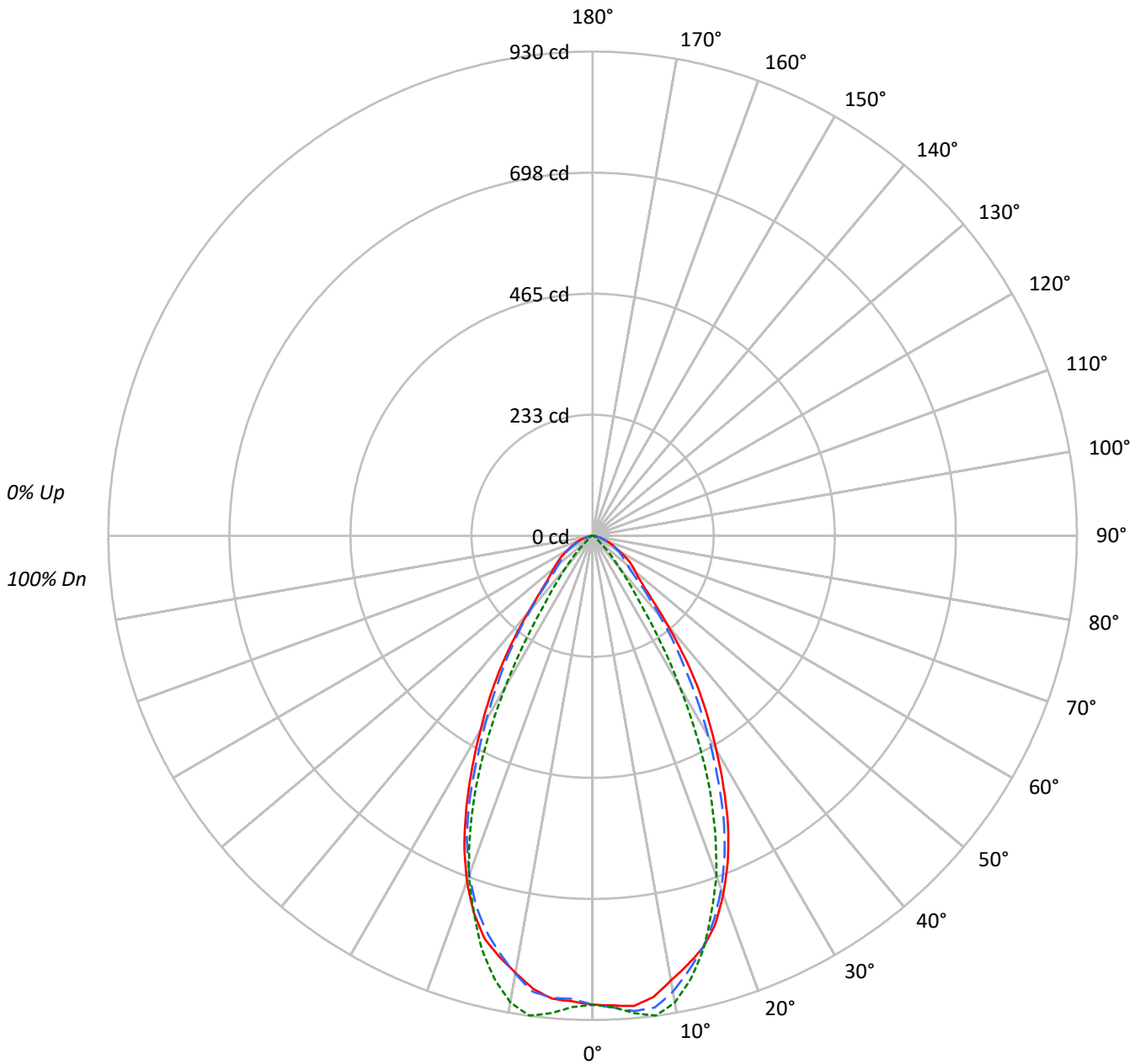
Lumens per Lamp: N/A
Luminaire Lumens: 917.0 lumens
Efficiency: N/A
Efficacy: 93.6 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91																			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70																			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64																			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59																			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55																			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51																			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48																			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	49377	49377	49377
5°	49895	50649	49114
10°	48279	50650	47438
15°	46465	46646	45477
20°	42768	40522	41164
25°	37218	31955	34671
30°	30017	21231	27232
35°	23269	10949	20452
40°	15966	5675	13769
45°	10939	2845	9660
50°	9108	1211	8281
55°	8191	1051	7398
60°	6480	1009	6184
65°	5344	895	5292
70°	4328	801	4328
75°	3198	868	3389
80°	1894	726	2020
85°	1447	881	1447



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.7	9.4
10°-20°	225.0	24.5
20°-30°	256.9	28.0
30°-40°	170.4	18.6
40°-50°	82.2	9.0
50°-60°	50.5	5.5
60°-70°	30.6	3.3
70°-80°	12.9	1.4
80°-90°	2.8	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°	567.7	61.9
0°-40°	738.0	80.5
0°-60°	870.7	95.0
0°-90°	917.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	917.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	901	901	901	901	901	
5°	907	916	920	891	892	85
15°	819	819	822	787	801	228
25°	615	595	528	559	573	279
35°	348	306	164	286	306	215
45°	141	124	37	116	125	115
55°	86	70	11	70	77	75
65°	41	39	7	37	41	41
75°	15	15	4	14	16	16
85°	2	3	1	2	2	3
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°	900.7	900.7	900.7	900.7	900.7	900.7	900.7	900.7	900.7
2.5°	903.0	904.4	907.2	907.6	906.2	897.5	890.2	892.9	895.2
5°	906.7	909.4	916.3	922.7	920.4	905.8	891.1	890.7	892.5
7.5°	893.4	899.8	914.0	930.1	929.6	904.4	882.9	877.4	877.4
10°	867.3	873.2	888.8	910.4	909.9	878.3	854.5	851.7	852.2
12.5°	843.9	846.7	854.5	871.4	871.4	840.3	821.9	824.7	828.3
15°	818.7	820.6	818.7	824.2	821.9	796.3	787.1	795.8	801.3
17.5°	783.0	783.9	774.3	767.0	758.2	742.2	744.5	757.3	758.7
20°	733.1	739.0	721.6	702.8	694.6	679.4	692.3	706.5	705.6
22.5°	678.1	684.9	662.5	631.3	614.4	608.4	631.3	644.2	643.7
25°	615.3	620.3	594.7	551.2	528.3	527.3	559.0	572.2	573.2
27.5°	544.7	546.6	517.7	460.9	432.5	439.4	479.2	497.6	499.8
30°	474.2	473.3	443.5	372.9	335.4	354.2	407.8	427.9	430.2
32.5°	409.6	406.8	372.9	288.6	243.7	271.7	342.2	363.3	367.0
35°	347.7	343.2	306.5	213.5	163.6	205.3	285.9	304.2	305.6
37.5°	283.1	280.9	252.0	159.9	114.1	155.8	233.2	246.5	245.1
40°	223.1	223.1	199.3	118.7	79.3	115.9	184.6	196.5	192.4
42.5°	175.0	177.3	157.1	87.5	56.4	86.1	146.2	157.1	152.6
45°	141.1	141.1	123.7	65.1	36.7	64.1	115.5	125.5	124.6
47.5°	119.6	117.7	100.3	47.6	20.2	48.1	97.1	109.5	109.0
50°	106.8	104.0	86.1	37.6	14.2	39.9	85.2	96.7	97.1
52.5°	96.7	92.5	77.4	33.4	12.4	34.8	77.4	86.6	86.6
55°	85.7	83.4	69.6	29.8	11.0	31.2	69.6	77.9	77.4
57.5°	72.4	71.9	62.3	27.0	10.1	27.5	62.3	67.3	65.5
60°	59.1	60.9	54.1	24.3	9.2	24.7	53.1	57.3	56.4
62.5°	49.5	51.8	47.2	21.5	7.8	22.0	44.9	49.0	48.1
65°	41.2	43.1	39.4	18.3	6.9	18.3	37.1	40.8	40.8
67.5°	33.9	35.3	32.5	15.1	6.0	15.1	30.2	33.4	33.9
70°	27.0	27.9	25.7	11.9	5.0	12.4	23.8	27.0	27.0
72.5°	21.1	21.5	20.2	9.6	4.6	9.6	18.3	21.1	21.1
75°	15.1	16.0	15.1	7.3	4.1	7.3	14.2	15.6	16.0
77.5°	8.7	11.0	11.0	6.0	3.2	5.5	10.1	10.5	10.5
80°	6.0	6.9	7.8	4.1	2.3	4.1	6.4	6.9	6.4
82.5°	4.1	4.6	4.6	2.7	1.8	2.7	4.1	4.6	4.1
85°	2.3	3.2	3.2	2.3	1.4	1.8	2.3	2.7	2.3
87.5°	1.4	1.8	2.3	1.8	1.4	1.4	1.4	1.4	0.9
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)