

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: P799311

Luminaire Tested: **LD6C10D010 EU6109030 6LBMDSWH**

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: P799311
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 EU6109030 6LBMDSWH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

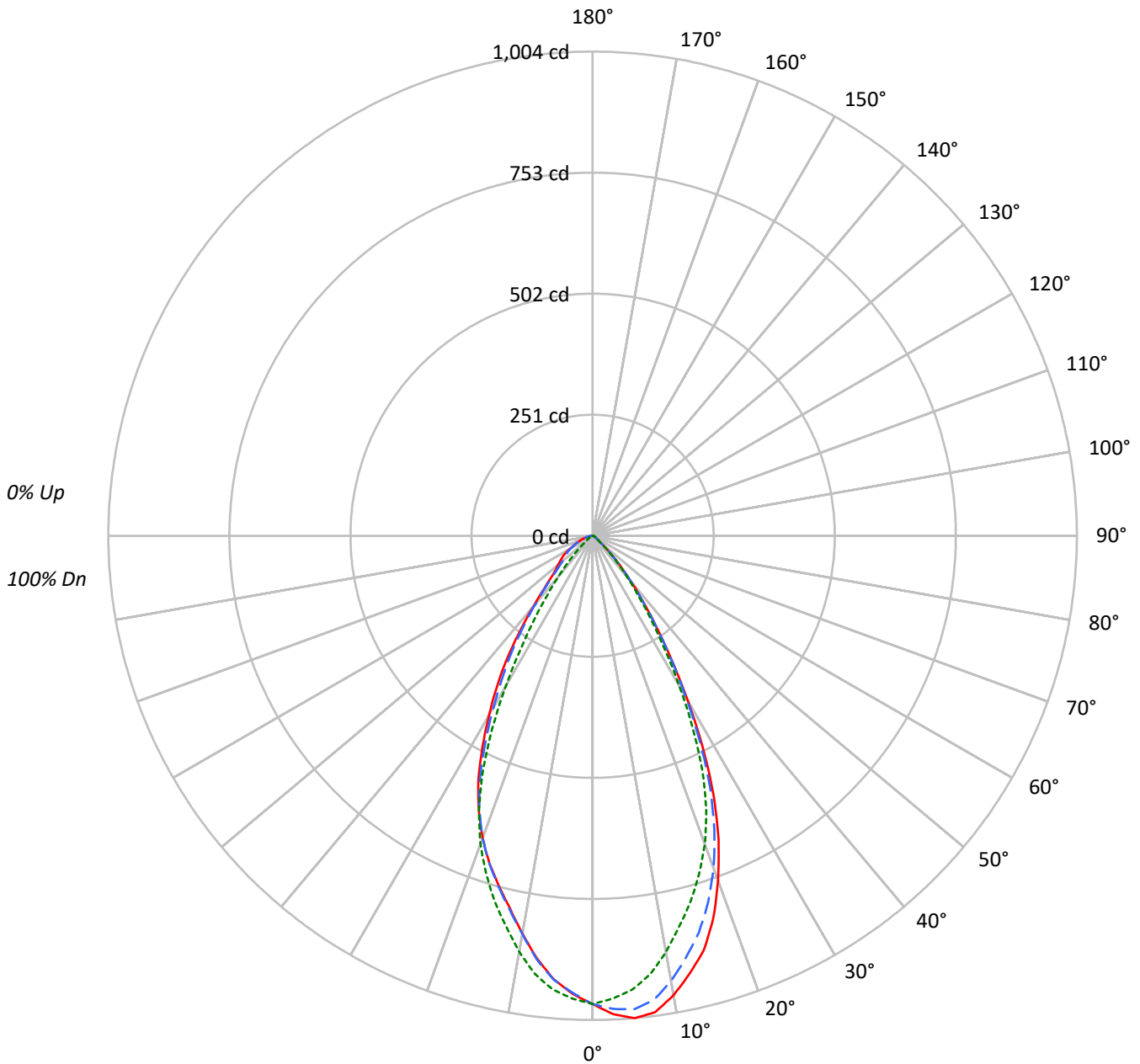
Lumens per Lamp: N/A
Luminaire Lumens: 836.0 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
Input Voltage (V): NR
Input Current (A_{in}): 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				20				
RC	80				70				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	100	100	100
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92	92	92	92
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85	85	85	85
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78	78	78	78
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73	73	73	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67	67	67	67
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63	63	63	63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59	59	59	59
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55	55	55	55
9	74	64	58	54	73	63	57	54	62	57	53	61	57	53	61	56	53	52	52	52	52
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49	49	49	49

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	53230	53230	53230
5°	55255	51981	50803
10°	53840	48758	46615
15°	50494	44552	42628
20°	44331	39664	38906
25°	35851	32585	33927
30°	24928	22700	27156
35°	15366	13907	20492
40°	8695	7793	13611
45°	4225	4024	9288
50°	1612	1612	7897
55°	879	1042	7283
60°	647	822	5975
65°	545	700	4890
70°	465	609	4023
75°	445	614	3452
80°	253	537	2526
85°	252	1069	2390



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.9	10.6
10°-20°	223.4	26.7
20°-30°	251.5	30.1
30°-40°	155.7	18.6
40°-50°	62.0	7.4
50°-60°	28.2	3.4
60°-70°	16.2	1.9
70°-80°	7.7	0.9
80°-90°	2.3	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°	563.8	67.4
0°-40°	719.6	86.1
0°-60°	809.8	96.9
0°-90°	836.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	836.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	971	971	971	971	971	
5°	1004	986	945	924	923	95
15°	890	851	785	753	751	246
25°	593	577	539	552	561	266
35°	230	228	208	290	306	148
45°	54	54	52	113	120	46
55°	9	9	11	67	76	9
65°	4	4	5	37	38	4
75°	2	2	3	16	16	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°	971.0	971.0	971.0	971.0	971.0	971.0	971.0	971.0	971.0
2.5°	993.2	984.0	981.9	973.9	960.5	953.0	948.4	945.0	950.9
5°	1004.1	994.0	985.7	969.3	944.6	930.8	924.1	918.6	923.2
7.5°	996.1	981.9	970.6	948.0	916.5	895.2	886.0	879.7	883.9
10°	967.2	950.1	937.1	910.3	875.9	850.4	839.1	833.2	837.4
12.5°	929.5	915.3	895.6	866.3	829.4	802.6	794.2	789.6	791.3
15°	889.7	873.0	851.2	821.9	785.0	758.2	753.2	750.2	751.1
17.5°	831.9	815.6	796.7	768.3	734.3	712.5	712.5	710.4	711.7
20°	759.9	751.1	732.7	708.8	679.9	660.2	666.5	664.4	666.9
22.5°	682.0	675.3	659.3	639.7	615.4	599.9	613.7	613.3	616.6
25°	592.7	587.7	576.8	560.1	538.7	529.1	552.1	552.1	560.9
27.5°	494.3	489.3	481.7	467.5	449.9	447.0	480.9	485.1	494.7
30°	393.8	390.4	386.2	373.2	358.6	364.0	410.9	418.1	429.0
32.5°	304.1	302.0	300.8	289.0	276.1	294.1	347.7	356.9	367.8
35°	229.6	224.9	228.3	219.5	207.8	230.4	289.5	297.4	306.2
37.5°	169.2	165.9	168.8	162.5	152.1	176.8	232.5	237.5	243.4
40°	121.5	118.5	121.1	117.3	108.9	132.0	182.2	187.7	190.2
42.5°	86.3	81.3	83.8	80.8	76.7	99.3	143.3	148.3	149.1
45°	54.5	52.8	54.5	52.8	51.9	73.7	113.1	117.7	119.8
47.5°	33.1	31.0	31.0	30.2	31.0	54.5	93.4	100.1	103.5
50°	18.9	18.0	17.6	17.2	18.9	42.7	80.8	88.4	92.6
52.5°	12.6	12.1	12.1	11.7	13.8	36.0	72.9	79.6	83.8
55°	9.2	8.8	8.8	8.8	10.9	31.0	67.0	72.5	76.2
57.5°	7.1	7.1	7.1	6.7	9.2	26.4	59.9	62.8	65.8
60°	5.9	5.4	5.4	5.4	7.5	22.6	51.5	52.8	54.5
62.5°	4.6	4.6	4.6	4.6	6.3	20.1	44.4	44.4	45.2
65°	4.2	3.8	3.8	3.8	5.4	17.6	37.3	36.9	37.7
67.5°	3.4	3.4	3.4	3.4	4.6	15.1	30.6	30.2	31.0
70°	2.9	2.9	2.9	2.9	3.8	12.6	24.7	24.3	25.1
72.5°	2.5	2.5	2.5	2.5	3.4	10.5	19.7	19.7	20.1
75°	2.1	2.1	2.1	2.1	2.9	8.0	15.9	15.9	16.3
77.5°	1.7	1.7	1.7	1.7	2.1	6.3	12.1	11.7	11.7
80°	0.8	1.3	1.3	1.3	1.7	4.6	8.8	8.0	8.0
82.5°	0.4	0.8	0.8	0.8	1.7	3.4	5.9	5.4	5.4
85°	0.4	0.4	0.4	1.3	1.7	2.5	3.8	3.8	3.8
87.5°	0.0	0.4	0.8	1.7	2.1	2.1	2.5	2.1	2.1
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)