

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: P799337

Luminaire Tested: **LD6C10D010 EU6109040 6LBMDSWMW**

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: P799337
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 EU6109040 6LBMDSWMW
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBMDSW TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

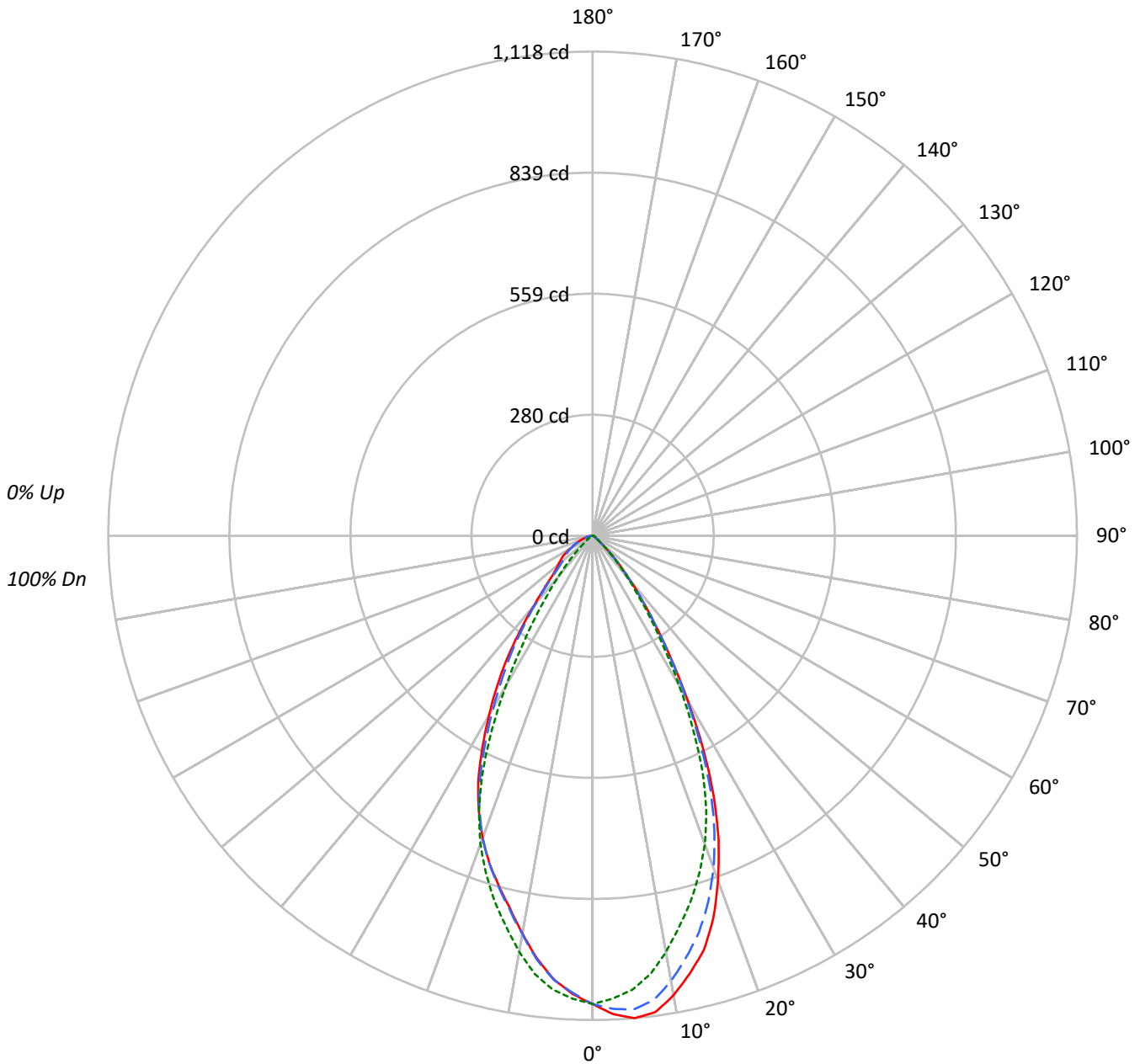
Lumens per Lamp: N/A
Luminaire Lumens: 931.0 lumens
Efficiency: N/A
Efficacy: 95.0 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
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°	59277	59277	59277
5°	61534	57891	56581
10°	59958	54296	51908
15°	56232	49614	47469
20°	49366	44168	43328
25°	39928	36286	37780
30°	27757	25276	30239
35°	17106	15486	22821
40°	9682	8681	15157
45°	4698	4481	10342
50°	1791	1791	8793
55°	984	1156	8114
60°	713	921	6644
65°	610	791	5448
70°	529	673	4488
75°	487	699	3855
80°	284	600	2810
85°	314	1195	2642



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.0	10.6
10°-20°	248.8	26.7
20°-30°	280.1	30.1
30°-40°	173.4	18.6
40°-50°	69.1	7.4
50°-60°	31.4	3.4
60°-70°	18.1	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°	627.9	67.4
0°-40°	801.3	86.1
0°-60°	901.8	96.9
0°-90°	931.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	931.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1081	1081	1081	1081	1081	
5°	1118	1098	1052	1029	1028	105
15°	991	948	874	839	836	274
25°	660	642	600	615	625	297
35°	256	254	231	322	341	164
45°	61	61	58	126	133	51
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°	1081.3	1081.3	1081.3	1081.3	1081.3	1081.3	1081.3	1081.3	1081.3
2.5°	1106.1	1095.8	1093.5	1084.6	1069.7	1061.3	1056.2	1052.4	1059.0
5°	1118.2	1107.0	1097.7	1079.5	1052.0	1036.6	1029.1	1023.0	1028.2
7.5°	1109.3	1093.5	1080.9	1055.7	1020.7	996.9	986.6	979.6	984.3
10°	1077.1	1058.0	1043.6	1013.7	975.4	947.0	934.4	927.9	932.5
12.5°	1035.2	1019.3	997.4	964.7	923.7	893.8	884.5	879.4	881.2
15°	990.8	972.2	947.9	915.3	874.2	844.4	838.8	835.5	836.4
17.5°	926.5	908.3	887.3	855.6	817.8	793.5	793.5	791.2	792.6
20°	846.2	836.4	815.9	789.3	757.1	735.2	742.2	739.9	742.7
22.5°	759.5	752.0	734.3	712.3	685.3	668.0	683.4	683.0	686.7
25°	660.1	654.5	642.4	623.7	599.9	589.2	614.8	614.8	624.6
27.5°	550.5	544.9	536.5	520.6	501.0	497.8	535.5	540.2	550.9
30°	438.5	434.8	430.1	415.7	399.3	405.4	457.6	465.6	477.7
32.5°	338.7	336.3	334.9	321.9	307.4	327.5	387.2	397.5	409.6
35°	255.6	250.5	254.2	244.4	231.4	256.6	322.4	331.2	341.0
37.5°	188.5	184.7	188.0	181.0	169.3	196.9	258.9	264.5	271.0
40°	135.3	132.0	134.8	130.6	121.3	146.9	202.9	209.0	211.8
42.5°	96.1	90.5	93.3	90.0	85.4	110.6	159.5	165.1	166.1
45°	60.6	58.8	60.6	58.8	57.8	82.1	126.0	131.1	133.4
47.5°	36.9	34.5	34.5	33.6	34.5	60.6	104.0	111.5	115.2
50°	21.0	20.1	19.6	19.1	21.0	47.6	90.0	98.4	103.1
52.5°	14.0	13.5	13.5	13.1	15.4	40.1	81.2	88.6	93.3
55°	10.3	9.8	9.8	9.8	12.1	34.5	74.6	80.7	84.9
57.5°	7.9	7.9	7.9	7.5	10.3	29.4	66.7	70.0	73.2
60°	6.5	6.1	6.1	6.1	8.4	25.2	57.4	58.8	60.6
62.5°	5.1	5.1	5.1	5.1	7.0	22.4	49.4	49.4	50.4
65°	4.7	4.2	4.2	4.2	6.1	19.6	41.5	41.1	42.0
67.5°	3.7	3.7	3.7	3.7	5.1	16.8	34.1	33.6	34.5
70°	3.3	3.3	3.3	3.3	4.2	14.0	27.5	27.1	28.0
72.5°	2.8	2.8	2.8	2.8	3.7	11.7	21.9	21.9	22.4
75°	2.3	2.3	2.3	2.3	3.3	8.9	17.7	17.7	18.2
77.5°	1.9	1.9	1.9	1.9	2.3	7.0	13.5	13.1	13.1
80°	0.9	1.4	1.4	1.4	1.9	5.1	9.8	8.9	8.9
82.5°	0.5	0.9	0.9	0.9	1.9	3.7	6.5	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)