

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: P799296

Luminaire Tested: **LD6C10D010 EU6109027 6LBMDDWWH**

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: P799296
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 EU6109027 6LBMDDWWH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBMDDW TRIM WITH WH FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

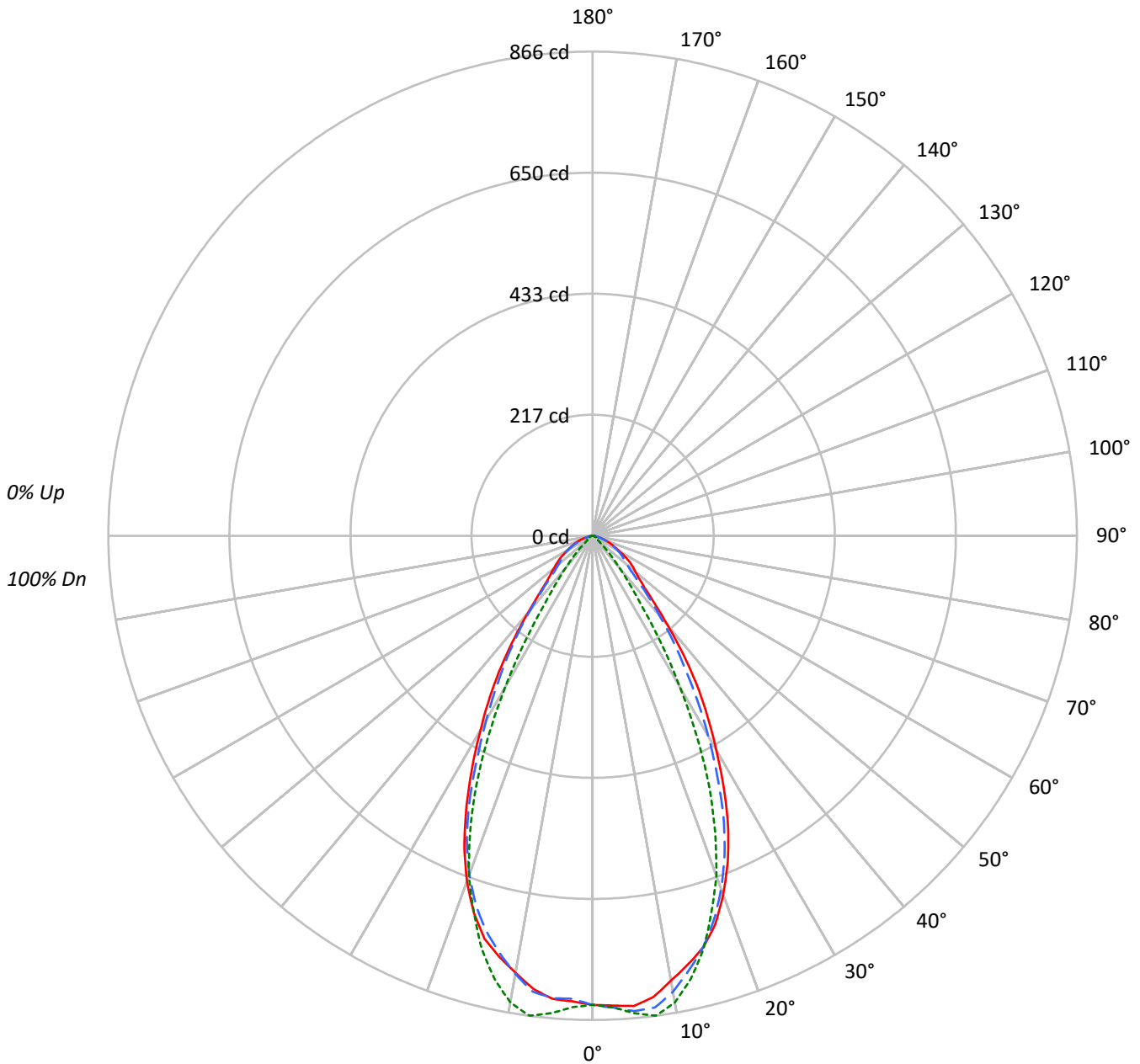
Lumens per Lamp: N/A
Luminaire Lumens: 854.0 lumens
Efficiency: N/A
Efficacy: 87.1 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	45989	45989	45989
5°	46467	47171	45741
10°	44961	47171	44176
15°	43275	43445	42356
20°	39828	37733	38334
25°	34659	29760	32288
30°	27954	19769	25365
35°	21676	10192	19046
40°	14871	5281	12824
45°	10187	2644	9001
50°	8477	1126	7718
55°	7627	975	6891
60°	6030	932	5756
65°	4981	830	4929
70°	4039	753	4039
75°	2987	805	3156
80°	1736	663	1894
85°	1321	818	1321



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.9	9.4
10°-20°	209.6	24.5
20°-30°	239.2	28.0
30°-40°	158.6	18.6
40°-50°	76.5	9.0
50°-60°	47.1	5.5
60°-70°	28.5	3.3
70°-80°	12.0	1.4
80°-90°	2.6	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°	528.7	61.9
0°-40°	687.3	80.5
0°-60°	810.9	95.0
0°-90°	854.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	854.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	839	839	839	839	839	
5°	844	853	857	830	831	79
15°	762	762	766	733	746	212
25°	573	554	492	520	534	260
35°	324	285	152	266	285	200
45°	131	115	34	108	116	107
55°	80	65	10	65	72	70
65°	38	37	6	35	38	39
75°	14	14	4	13	15	15
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°	838.9	838.9	838.9	838.9	838.9	838.9	838.9	838.9	838.9
2.5°	841.0	842.3	844.8	845.3	844.0	835.9	829.0	831.6	833.7
5°	844.4	847.0	853.4	859.3	857.2	843.5	829.9	829.5	831.2
7.5°	832.0	838.0	851.2	866.2	865.7	842.3	822.2	817.1	817.1
10°	807.7	813.3	827.8	847.8	847.4	817.9	795.8	793.2	793.6
12.5°	785.9	788.5	795.8	811.5	811.5	782.5	765.5	768.0	771.4
15°	762.5	764.2	762.5	767.6	765.5	741.6	733.0	741.1	746.3
17.5°	729.2	730.0	721.1	714.3	706.2	691.2	693.4	705.3	706.6
20°	682.7	688.2	672.0	654.5	646.8	632.8	644.7	657.9	657.1
22.5°	631.5	637.9	617.0	588.0	572.2	566.6	588.0	599.9	599.5
25°	573.0	577.7	553.8	513.3	492.0	491.1	520.5	532.9	533.8
27.5°	507.3	509.0	482.1	429.2	402.8	409.2	446.3	463.4	465.5
30°	441.6	440.8	413.0	347.3	312.3	329.8	379.7	398.5	400.7
32.5°	381.5	378.9	347.3	268.8	227.0	253.0	318.7	338.4	341.8
35°	323.9	319.6	285.4	198.8	152.3	191.2	266.2	283.3	284.6
37.5°	263.7	261.6	234.7	148.9	106.2	145.1	217.2	229.6	228.3
40°	207.8	207.8	185.6	110.5	73.8	108.0	172.0	183.0	179.2
42.5°	163.0	165.1	146.4	81.5	52.5	80.2	136.1	146.4	142.1
45°	131.4	131.4	115.2	60.6	34.1	59.7	107.5	116.9	116.1
47.5°	111.4	109.7	93.4	44.4	18.8	44.8	90.5	102.0	101.5
50°	99.4	96.9	80.2	35.0	13.2	37.1	79.4	90.0	90.5
52.5°	90.0	86.2	72.1	31.1	11.5	32.4	72.1	80.6	80.6
55°	79.8	77.7	64.9	27.7	10.2	29.0	64.9	72.5	72.1
57.5°	67.4	67.0	58.0	25.2	9.4	25.6	58.0	62.7	61.0
60°	55.0	56.7	50.3	22.6	8.5	23.0	49.5	53.3	52.5
62.5°	46.1	48.2	43.9	20.1	7.3	20.5	41.8	45.7	44.8
65°	38.4	40.1	36.7	17.1	6.4	17.1	34.6	38.0	38.0
67.5°	31.6	32.9	30.3	14.1	5.5	14.1	28.2	31.1	31.6
70°	25.2	26.0	23.9	11.1	4.7	11.5	22.2	25.2	25.2
72.5°	19.6	20.1	18.8	9.0	4.3	9.0	17.1	19.6	19.6
75°	14.1	14.9	14.1	6.8	3.8	6.8	13.2	14.5	14.9
77.5°	8.1	10.2	10.2	5.5	3.0	5.1	9.4	9.8	9.8
80°	5.5	6.4	7.3	3.8	2.1	3.8	6.0	6.4	6.0
82.5°	3.8	4.3	4.3	2.6	1.7	2.6	3.8	4.3	3.8
85°	2.1	3.0	3.0	2.1	1.3	1.7	2.1	2.6	2.1
87.5°	1.3	1.7	2.1	1.7	1.3	1.3	1.3	1.3	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)