

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: P799287

Luminaire Tested: **LD6C08D010 EU6089050 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: P799287
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: LD6C08D010 EU6089050 6LBMDSWH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 6LBMDSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

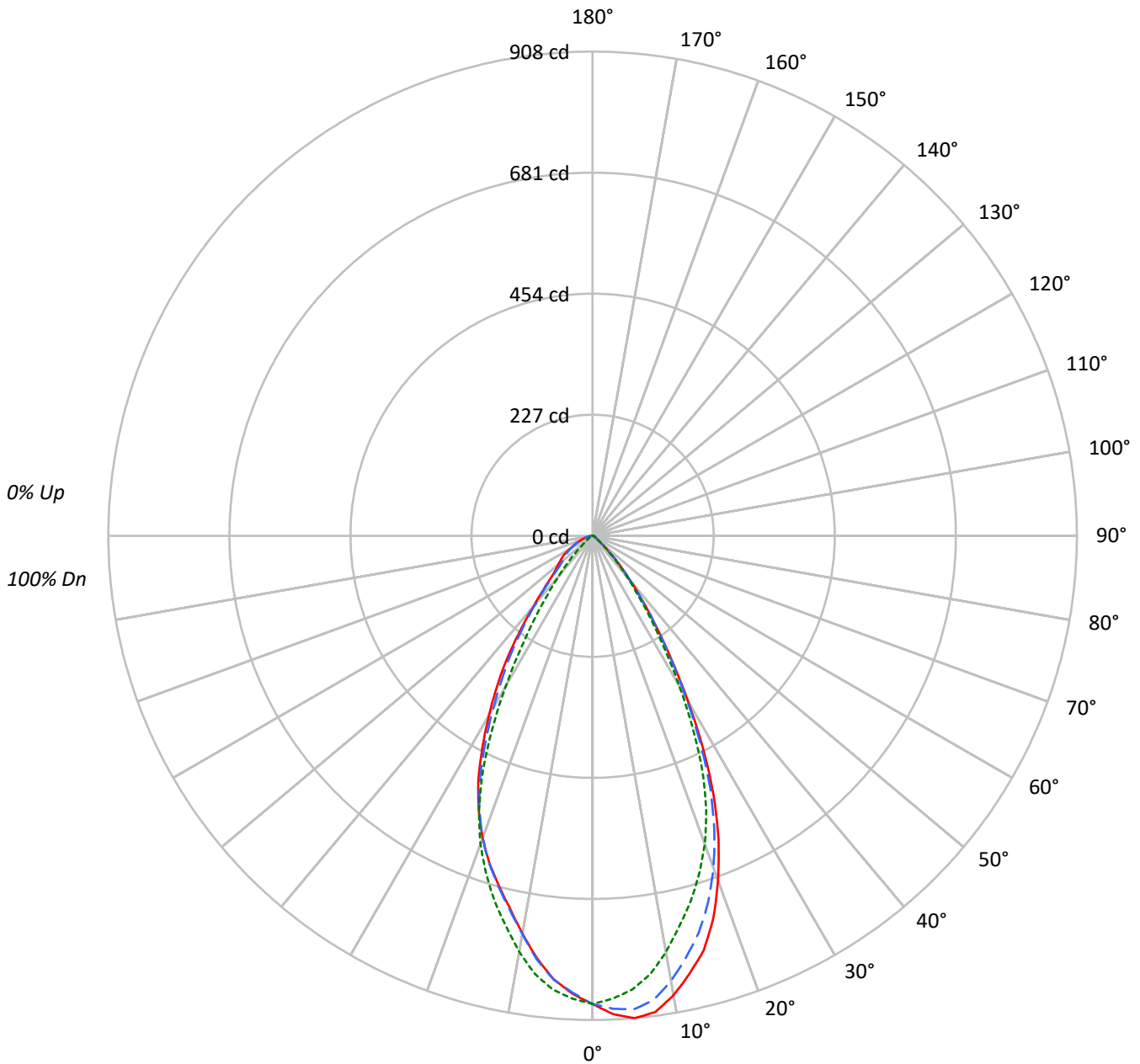
Lumens per Lamp: N/A
Luminaire Lumens: 756.0 lumens
Efficiency: N/A
Efficacy: 76.4 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
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					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	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			
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92					92			
2	107	102	97	94	105	100	96	93	97	93	91	94	91	89	91	89	87	85					85			
3	101	94	89	85	99	93	88	84	90	86	83	88	84	81	85	83	80	78					78			
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	80	77	74	73					73			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67					67			
6	86	77	70	66	84	76	70	66	74	69	65	73	68	65	71	67	64	63					63			
7	82	72	66	61	80	71	65	61	70	65	61	69	64	60	68	63	60	59					59			
8	78	68	61	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55					55			
9	74	64	58	54	73	63	57	54	62	57	53	61	57	53	61	56	53	52					52			
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49					49			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	48138	48138	48138
5°	49967	47006	45944
10°	48691	44093	42150
15°	45664	40290	38547
20°	40090	35866	35184
25°	32421	29469	30679
30°	22541	20528	24554
35°	13893	12575	18531
40°	7865	7049	12309
45°	3814	3644	8396
50°	1450	1450	7138
55°	793	937	6585
60°	581	746	5394
65°	493	636	4423
70°	433	545	3638
75°	402	572	3135
80°	253	474	2273
85°	252	943	2139



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.4	10.6
10°-20°	202.0	26.7
20°-30°	227.4	30.1
30°-40°	140.8	18.6
40°-50°	56.1	7.4
50°-60°	25.5	3.4
60°-70°	14.7	1.9
70°-80°	7.0	0.9
80°-90°	2.0	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°	509.9	67.4
0°-40°	650.7	86.1
0°-60°	732.3	96.9
0°-90°	756.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	756.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	878	878	878	878	878	
5°	908	891	854	836	835	86
15°	805	770	710	681	679	223
25°	536	522	487	499	507	241
35°	208	206	188	262	277	133
45°	49	49	47	102	108	42
55°	8	8	10	61	69	8
65°	4	3	5	34	34	4
75°	2	2	3	14	15	2
85°	0	0	2	3	3	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°	878.1	878.1	878.1	878.1	878.1	878.1	878.1	878.1	878.1
2.5°	898.2	889.8	887.9	880.7	868.6	861.8	857.6	854.6	859.9
5°	908.0	898.9	891.3	876.6	854.2	841.7	835.7	830.7	834.9
7.5°	900.8	887.9	877.7	857.2	828.8	809.5	801.2	795.5	799.3
10°	874.7	859.1	847.4	823.2	792.1	769.0	758.8	753.5	757.2
12.5°	840.6	827.7	809.9	783.4	750.0	725.8	718.2	714.1	715.6
15°	804.6	789.4	769.7	743.2	709.9	685.6	681.1	678.5	679.2
17.5°	752.3	737.5	720.5	694.7	664.1	644.4	644.4	642.5	643.6
20°	687.2	679.2	662.5	640.9	614.8	597.0	602.7	600.8	603.1
22.5°	616.7	610.6	596.2	578.4	556.5	542.5	555.0	554.6	557.6
25°	536.0	531.5	521.6	506.5	487.2	478.4	499.3	499.3	507.2
27.5°	447.0	442.5	435.6	422.8	406.8	404.2	434.9	438.7	447.4
30°	356.1	353.1	349.3	337.5	324.3	329.2	371.6	378.1	387.9
32.5°	275.0	273.1	272.0	261.4	249.6	265.9	314.4	322.7	332.6
35°	207.6	203.4	206.5	198.5	187.9	208.3	261.8	269.0	276.9
37.5°	153.0	150.0	152.7	147.0	137.5	159.9	210.2	214.8	220.1
40°	109.9	107.2	109.5	106.1	98.5	119.3	164.8	169.7	172.0
42.5°	78.0	73.5	75.8	73.1	69.3	89.8	129.6	134.1	134.9
45°	49.2	47.7	49.2	47.7	47.0	66.7	102.3	106.4	108.3
47.5°	29.9	28.0	28.0	27.3	28.0	49.2	84.5	90.5	93.6
50°	17.0	16.3	15.9	15.5	17.0	38.6	73.1	79.9	83.7
52.5°	11.4	11.0	11.0	10.6	12.5	32.6	65.9	72.0	75.8
55°	8.3	8.0	8.0	8.0	9.8	28.0	60.6	65.5	68.9
57.5°	6.4	6.4	6.4	6.1	8.3	23.9	54.2	56.8	59.5
60°	5.3	4.9	4.9	4.9	6.8	20.5	46.6	47.7	49.2
62.5°	4.2	4.2	4.2	4.2	5.7	18.2	40.2	40.2	40.9
65°	3.8	3.4	3.4	3.4	4.9	15.9	33.7	33.3	34.1
67.5°	3.0	3.0	3.0	3.0	4.2	13.6	27.7	27.3	28.0
70°	2.7	2.7	2.7	2.7	3.4	11.4	22.3	22.0	22.7
72.5°	2.3	2.3	2.3	2.3	3.0	9.5	17.8	17.8	18.2
75°	1.9	1.9	1.9	1.9	2.7	7.2	14.4	14.4	14.8
77.5°	1.5	1.5	1.5	1.5	1.9	5.7	11.0	10.6	10.6
80°	0.8	1.1	1.1	1.1	1.5	4.2	8.0	7.2	7.2
82.5°	0.4	0.8	0.8	0.8	1.5	3.0	5.3	4.9	4.9
85°	0.4	0.4	0.4	1.1	1.5	2.3	3.4	3.4	3.4
87.5°	0.0	0.4	0.8	1.5	1.9	1.9	2.3	1.9	1.9
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)