

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: P799252

Luminaire Tested: **LD6C08D010 EU6089030 6LBMDSWLI**

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: P799252
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 EU6089030 6LBMDSWLI
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 6LBMDSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

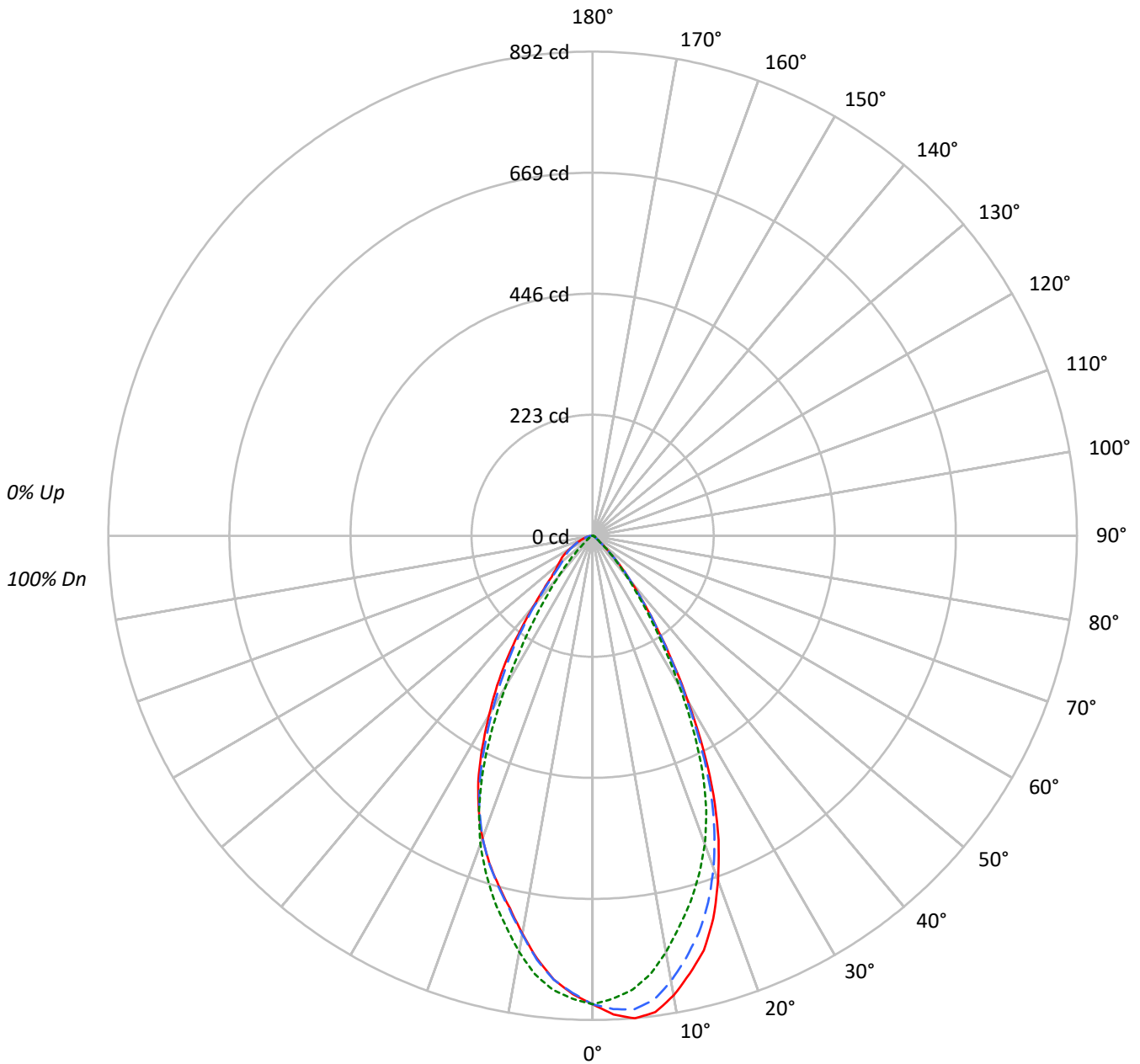
Lumens per Lamp: N/A
Luminaire Lumens: 743.0 lumens
Efficiency: N/A
Efficacy: 75.1 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	47310	47310	47310
5°	49108	46197	45152
10°	47850	43336	41427
15°	44881	39597	37883
20°	39396	35248	34577
25°	31865	28961	30153
30°	22155	20174	24130
35°	13652	12361	18210
40°	7729	6927	12094
45°	3752	3582	8257
50°	1433	1433	7019
55°	784	927	6480
60°	570	735	5307
65°	480	623	4345
70°	417	545	3574
75°	402	551	3071
80°	221	474	2241
85°	252	943	2139



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.0	10.6
10°-20°	198.6	26.7
20°-30°	223.5	30.1
30°-40°	138.4	18.6
40°-50°	55.1	7.4
50°-60°	25.1	3.4
60°-70°	14.4	1.9
70°-80°	6.9	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°	501.1	67.4
0°-40°	639.5	86.1
0°-60°	719.7	96.9
0°-90°	743.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	743.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	863	863	863	863	863	
5°	892	876	840	821	820	84
15°	791	756	698	669	668	219
25°	527	513	479	491	498	237
35°	204	203	185	257	272	131
45°	48	48	46	100	106	41
55°	8	8	10	60	68	8
65°	4	3	5	33	34	4
75°	2	2	3	14	14	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°	863.0	863.0	863.0	863.0	863.0	863.0	863.0	863.0	863.0
2.5°	882.7	874.5	872.7	865.6	853.7	847.0	842.9	839.9	845.1
5°	892.4	883.5	876.0	861.5	839.5	827.2	821.3	816.4	820.5
7.5°	885.3	872.7	862.6	842.5	814.6	795.6	787.4	781.8	785.5
10°	859.6	844.4	832.8	809.0	778.5	755.8	745.7	740.5	744.2
12.5°	826.1	813.5	796.0	769.9	737.1	713.3	705.9	701.8	703.3
15°	790.8	775.9	756.5	730.4	697.7	673.9	669.4	666.8	667.5
17.5°	739.4	724.9	708.1	682.8	652.6	633.3	633.3	631.4	632.5
20°	675.3	667.5	651.1	629.9	604.2	586.7	592.3	590.5	592.7
22.5°	606.1	600.1	586.0	568.5	546.9	533.1	545.4	545.0	548.0
25°	526.8	522.3	512.7	497.8	478.8	470.2	490.7	490.7	498.5
27.5°	439.3	434.8	428.1	415.5	399.8	397.2	427.4	431.1	439.7
30°	350.0	347.0	343.3	331.7	318.7	323.5	365.2	371.6	381.2
32.5°	270.3	268.4	267.3	256.9	245.3	261.4	309.0	317.2	326.9
35°	204.0	199.9	202.9	195.1	184.7	204.8	257.3	264.3	272.1
37.5°	150.4	147.4	150.0	144.5	135.1	157.1	206.6	211.1	216.3
40°	108.0	105.4	107.6	104.2	96.8	117.3	161.9	166.8	169.0
42.5°	76.7	72.2	74.5	71.9	68.1	88.2	127.3	131.8	132.5
45°	48.4	46.9	48.4	46.9	46.2	65.5	100.5	104.6	106.5
47.5°	29.4	27.5	27.5	26.8	27.5	48.4	83.0	89.0	92.0
50°	16.8	16.0	15.6	15.3	16.8	38.0	71.9	78.6	82.3
52.5°	11.2	10.8	10.8	10.4	12.3	32.0	64.8	70.7	74.5
55°	8.2	7.8	7.8	7.8	9.7	27.5	59.6	64.4	67.8
57.5°	6.3	6.3	6.3	6.0	8.2	23.5	53.2	55.8	58.5
60°	5.2	4.8	4.8	4.8	6.7	20.1	45.8	46.9	48.4
62.5°	4.1	4.1	4.1	4.1	5.6	17.9	39.5	39.5	40.2
65°	3.7	3.4	3.4	3.4	4.8	15.6	33.1	32.8	33.5
67.5°	3.0	3.0	3.0	3.0	4.1	13.4	27.2	26.8	27.5
70°	2.6	2.6	2.6	2.6	3.4	11.2	22.0	21.6	22.3
72.5°	2.2	2.2	2.2	2.2	3.0	9.3	17.5	17.5	17.9
75°	1.9	1.9	1.9	1.9	2.6	7.1	14.1	14.1	14.5
77.5°	1.5	1.5	1.5	1.5	1.9	5.6	10.8	10.4	10.4
80°	0.7	1.1	1.1	1.1	1.5	4.1	7.8	7.1	7.1
82.5°	0.4	0.7	0.7	0.7	1.5	3.0	5.2	4.8	4.8
85°	0.4	0.4	0.4	1.1	1.5	2.2	3.4	3.4	3.4
87.5°	0.0	0.4	0.7	1.5	1.9	1.9	2.2	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)