

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: P799253

Luminaire Tested: **LD6C08D010 EU6089030 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: P799253  
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 6LBMDSWMW  
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 6LBMDSW TRIM WITH MW FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

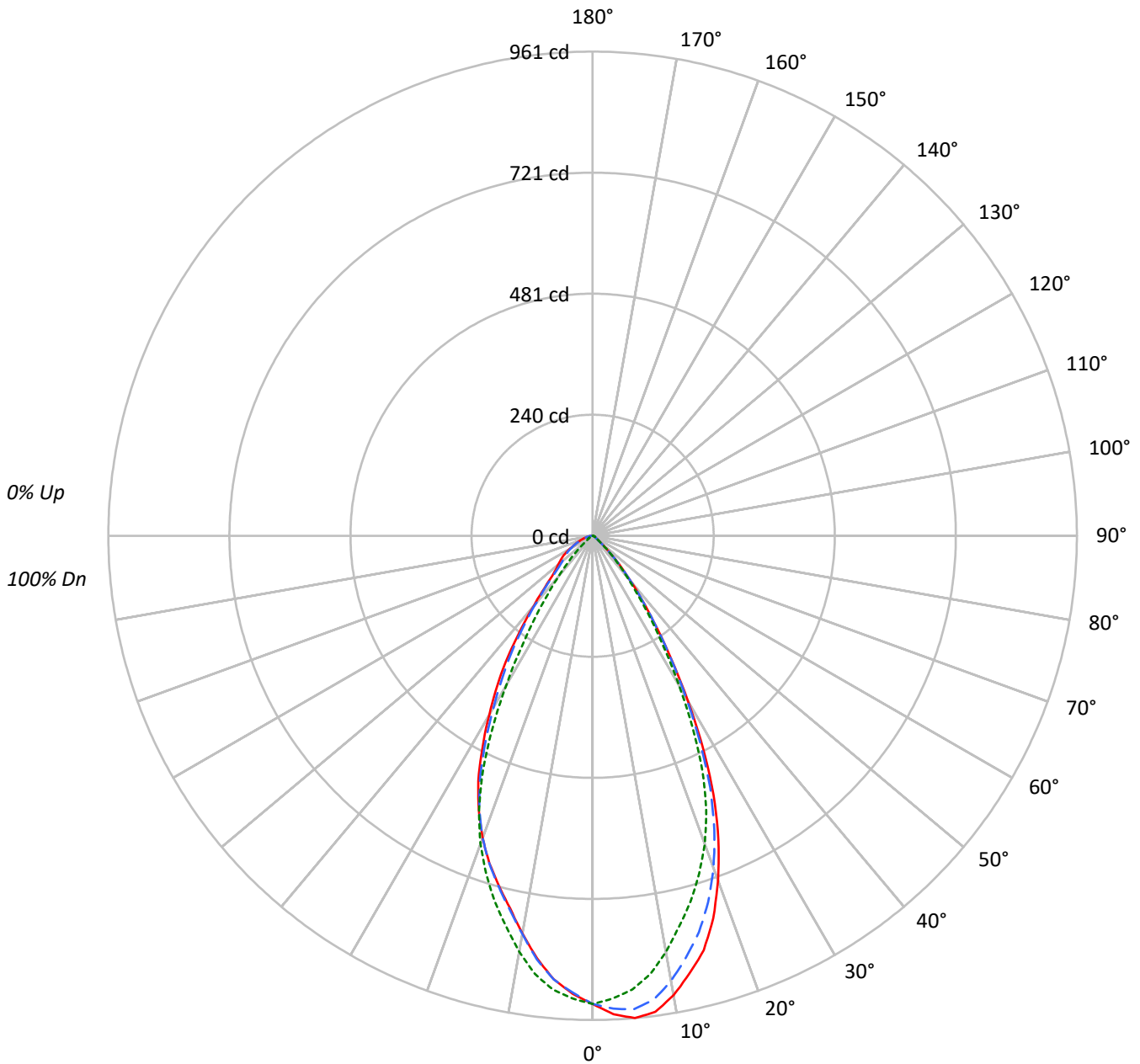
Lumens per Lamp: N/A  
Luminaire Lumens: 800.0 lumens  
Efficiency: N/A  
Efficacy: 80.8 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.83 / 0.83  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	58	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°	50939	50939	50939
5°	52878	49741	48619
10°	51524	46659	44605
15°	48320	42634	40789
20°	42424	37955	37232
25°	34308	31181	32464
30°	23852	21719	25985
35°	14703	13304	19608
40°	8316	7457	13024
45°	4039	3853	8885
50°	1535	1535	7556
55°	841	994	6977
60°	614	789	5712
65°	519	675	4683
70°	449	577	3863
75°	424	593	3304
80°	253	505	2399
85°	252	1006	2264



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	85.1	10.6
10°-20°	213.8	26.7
20°-30°	240.7	30.1
30°-40°	149.0	18.6
40°-50°	59.4	7.4
50°-60°	27.0	3.4
60°-70°	15.5	1.9
70°-80°	7.4	0.9
80°-90°	2.1	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°	539.5	67.4
0°-40°	688.6	86.1
0°-60°	774.9	96.9
0°-90°	800.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	800.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	929	929	929	929	929	
5°	961	943	904	884	884	90
15°	851	814	751	721	719	236
25°	567	552	516	528	537	255
35°	220	218	199	277	293	141
45°	52	52	50	108	115	44
55°	9	8	10	64	73	9
65°	4	4	5	36	36	4
75°	2	2	3	15	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°	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2	929.2
2.5°	950.4	941.6	939.6	932.0	919.2	912.0	907.5	904.3	909.9
5°	960.9	951.2	943.2	927.6	903.9	890.7	884.3	879.1	883.5
7.5°	953.2	939.6	928.8	907.1	877.1	856.6	847.8	841.8	845.8
10°	925.6	909.1	896.7	871.1	838.2	813.7	802.9	797.3	801.3
12.5°	889.5	875.9	857.0	829.0	793.7	768.0	760.0	755.6	757.2
15°	851.4	835.4	814.5	786.5	751.2	725.6	720.7	717.9	718.7
17.5°	796.1	780.5	762.4	735.2	702.7	681.9	681.9	679.9	681.1
20°	727.2	718.7	701.1	678.3	650.6	631.8	637.8	635.8	638.2
22.5°	652.6	646.2	631.0	612.1	588.9	574.0	587.3	586.9	590.1
25°	567.2	562.4	552.0	535.9	515.5	506.3	528.3	528.3	536.7
27.5°	473.0	468.2	461.0	447.4	430.5	427.7	460.2	464.2	473.4
30°	376.8	373.6	369.6	357.2	343.1	348.3	393.2	400.1	410.5
32.5°	291.0	289.0	287.8	276.6	264.2	281.4	332.7	341.5	352.0
35°	219.7	215.3	218.5	210.0	198.8	220.5	277.0	284.6	293.0
37.5°	161.9	158.7	161.5	155.5	145.5	169.2	222.5	227.3	232.9
40°	116.2	113.4	115.8	112.2	104.2	126.3	174.4	179.6	182.0
42.5°	82.6	77.8	80.2	77.4	73.4	95.0	137.1	141.9	142.7
45°	52.1	50.5	52.1	50.5	49.7	70.6	108.2	112.6	114.6
47.5°	31.7	29.7	29.7	28.9	29.7	52.1	89.4	95.8	99.0
50°	18.0	17.2	16.8	16.4	18.0	40.9	77.4	84.6	88.6
52.5°	12.0	11.6	11.6	11.2	13.2	34.5	69.7	76.2	80.2
55°	8.8	8.4	8.4	8.4	10.4	29.7	64.1	69.3	73.0
57.5°	6.8	6.8	6.8	6.4	8.8	25.3	57.3	60.1	62.9
60°	5.6	5.2	5.2	5.2	7.2	21.6	49.3	50.5	52.1
62.5°	4.4	4.4	4.4	4.4	6.0	19.2	42.5	42.5	43.3
65°	4.0	3.6	3.6	3.6	5.2	16.8	35.7	35.3	36.1
67.5°	3.2	3.2	3.2	3.2	4.4	14.4	29.3	28.9	29.7
70°	2.8	2.8	2.8	2.8	3.6	12.0	23.7	23.2	24.1
72.5°	2.4	2.4	2.4	2.4	3.2	10.0	18.8	18.8	19.2
75°	2.0	2.0	2.0	2.0	2.8	7.6	15.2	15.2	15.6
77.5°	1.6	1.6	1.6	1.6	2.0	6.0	11.6	11.2	11.2
80°	0.8	1.2	1.2	1.2	1.6	4.4	8.4	7.6	7.6
82.5°	0.4	0.8	0.8	0.8	1.6	3.2	5.6	5.2	5.2
85°	0.4	0.4	0.4	1.2	1.6	2.4	3.6	3.6	3.6
87.5°	0.0	0.4	0.8	1.6	2.0	2.0	2.4	2.0	2.0
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)