

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: P563983

Luminaire Tested: **LX6C08D010 EX6C089030 6LBMDH**

Issue Date: 2/15/2022

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: P563983  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C08D010 EX6C089030 6LBMDH  
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 6LRMD45 TRIM WITH H FINISH, DIM TO WARM  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

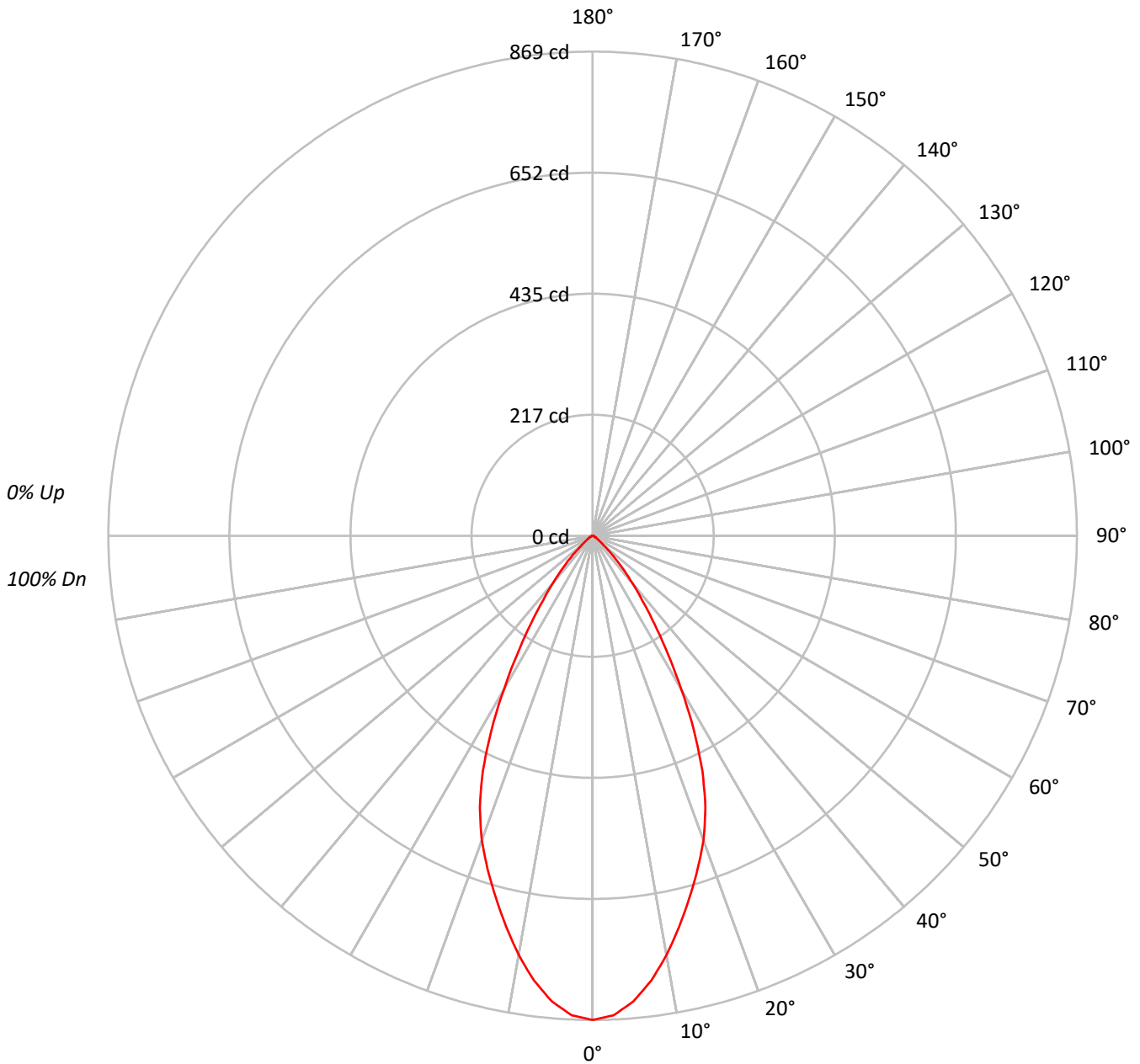
Lumens per Lamp: N/A  
Luminaire Lumens: 661.2 lumens  
Efficiency: N/A  
Efficacy: 66.8 lumens/watt  
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.9  
Input Voltage (V):  
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	80	86	82	79	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66			
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62			
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54			
10	72	63	57	53	71	62	57	53	62	56	53	61	56	53	60	56	53	51			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	47639
5°	46164
10°	42512
15°	38133
20°	33924
25°	28175
30°	20130
35°	12943
40°	7886
45°	4388
50°	1944
55°	1128
60°	735
65°	532
70°	369
75°	275
80°	189
85°	126



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.7	11.7
10°-20°	188.0	28.4
20°-30°	209.0	31.6
30°-40°	123.9	18.7
40°-50°	45.4	6.9
50°-60°	11.4	1.7
60°-70°	4.2	0.6
70°-80°	1.4	0.2
80°-90°	0.3	0.0
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°	474.6	71.8
0°-40°	598.5	90.5
0°-60°	655.3	99.1
0°-90°	661.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	661.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	869	
5°	839	78
15°	672	188
25°	466	209
35°	193	124
45°	57	45
55°	12	11
65°	4	4
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	869.0
2.5°	861.3
5°	838.9
7.5°	805.0
10°	763.7
12.5°	718.1
15°	671.9
17.5°	626.9
20°	581.5
22.5°	528.8
25°	465.8
27.5°	393.2
30°	318.0
32.5°	250.6
35°	193.4
37.5°	146.8
40°	110.2
42.5°	80.3
45°	56.6
47.5°	35.9
50°	22.8
52.5°	16.0
55°	11.8
57.5°	8.8
60°	6.7
62.5°	5.2
65°	4.1
67.5°	3.1
70°	2.3
72.5°	1.7
75°	1.3
77.5°	0.9
80°	0.6
82.5°	0.4
85°	0.2
87.5°	0.2
90°	0.0



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— 0°-180°







(END OF REPORT)