

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: P683931

Luminaire Tested: **LX6C10D010 EX6C109050 6LBNH**

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: P683931  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203666)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C10D010 EX6C109050 6LBNH  
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LBN TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

Luminaire Equipment: Sample No.   Condition   Description

**Summary**

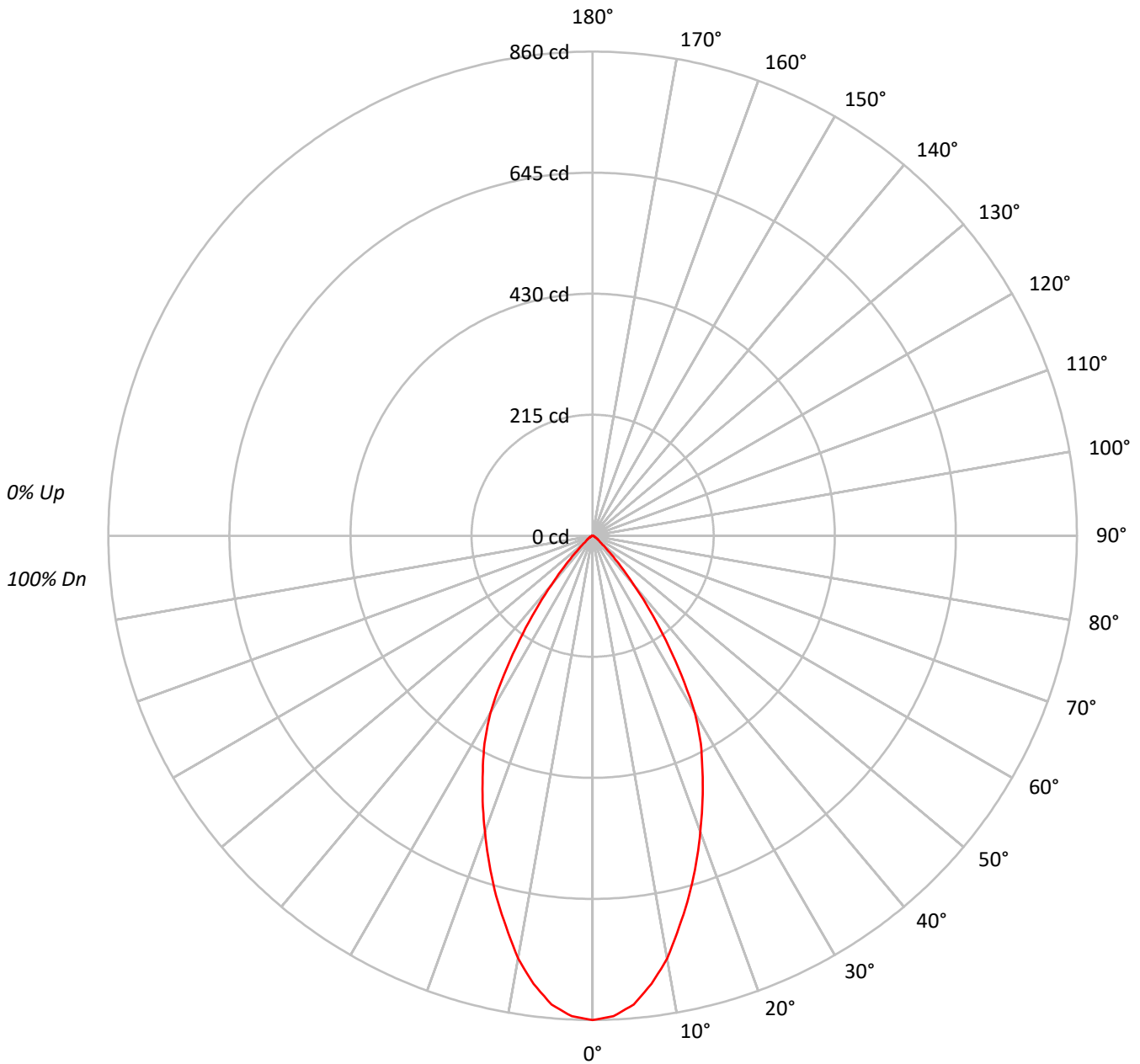
Lumens per Lamp: N/A  
Luminaire Lumens: 671.0 lumens  
Efficiency: N/A  
Efficacy: 68.5 lumens/watt  
Spacing Criteria (0/90/45): 0.78 / 0.78 / 0.84  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 9.8  
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	104	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	79	86	82	78	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	73	81	76	73	80	75	72	78	74	72	70			
6	88	79	73	69	86	78	72	68	77	72	68	75	71	67	74	70	67	65			
7	83	74	68	64	82	73	68	64	72	67	63	71	66	63	70	66	63	61			
8	79	70	64	60	78	69	64	60	68	63	59	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	59	56	64	59	56	63	59	55	54			
10	72	62	57	53	71	62	57	53	61	56	53	60	56	52	60	55	52	51			

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

	0°
0°	47156
5°	45988
10°	42434
15°	37565
20°	32617
25°	27903
30°	23004
35°	15145
40°	8144
45°	3605
50°	1458
55°	1051
60°	669
65°	480
70°	401
75°	254
80°	379
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	77.3	11.5
10°-20°	184.5	27.5
20°-30°	211.3	31.5
30°-40°	142.0	21.2
40°-50°	40.5	6.0
50°-60°	9.9	1.5
60°-70°	3.8	0.6
70°-80°	1.4	0.2
80°-90°	0.2	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°	473.1	70.5
0°-40°	615.1	91.7
0°-60°	665.6	99.2
0°-90°	671.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	671.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	860	
5°	836	77
15°	662	184
25°	461	211
35°	226	142
45°	46	41
55°	11	10
65°	4	4
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	860.2
2.5°	854.0
5°	835.7
7.5°	802.6
10°	762.3
12.5°	710.9
15°	661.9
17.5°	610.6
20°	559.1
22.5°	510.2
25°	461.3
27.5°	416.0
30°	363.4
32.5°	293.6
35°	226.3
37.5°	165.2
40°	113.8
42.5°	74.6
45°	46.5
47.5°	28.1
50°	17.1
52.5°	13.4
55°	11.0
57.5°	8.6
60°	6.1
62.5°	4.9
65°	3.7
67.5°	2.5
70°	2.5
72.5°	1.2
75°	1.2
77.5°	1.2
80°	1.2
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)