

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: P710921

Luminaire Tested: **LD6C08D010 EU6089030 6LBHYH**

Issue Date: 10/18/2023

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: P710921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/18/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C08D010 EU6089030 6LBHYH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS AND 6LCHYP TRIM WITH MW FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

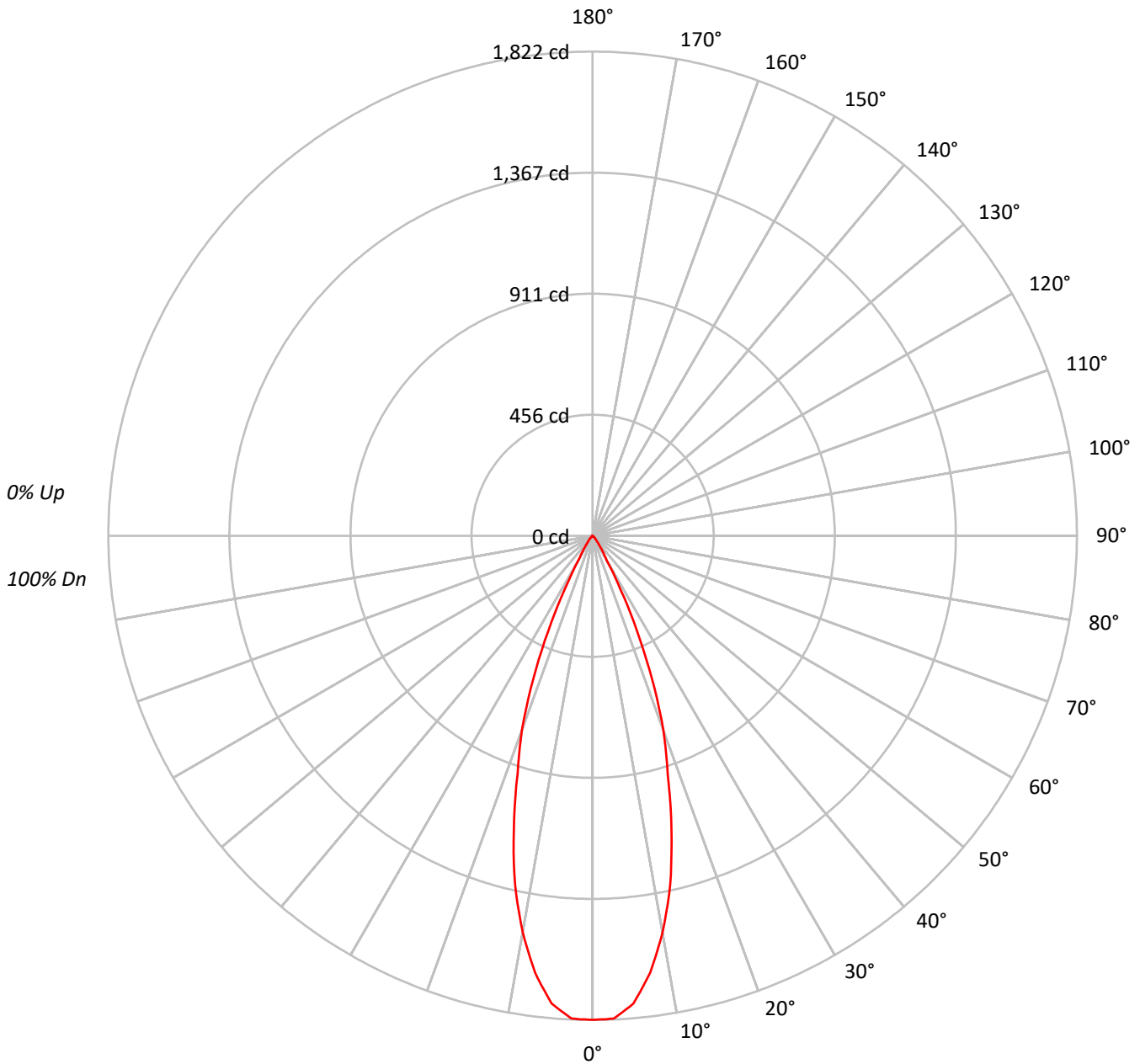
Lumens per Lamp: N/A
Luminaire Lumens: 695.9 lumens
Efficiency: N/A
Efficacy: 70.3 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.59
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.9
Input Voltage (V):
Input Current (A_{in}): 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	100	100	100
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96	96	96	96
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92	92	92	92
3	106	101	97	94	105	100	96	93	97	94	92	95	93	91	93	91	89	88	88	88	88
4	103	97	92	89	101	96	92	88	94	90	87	92	89	86	90	87	86	84	84	84	84
5	99	92	88	84	97	92	87	84	90	86	83	88	85	83	87	84	82	81	81	81	81
6	95	89	84	81	94	88	83	80	86	83	80	85	82	79	84	81	79	78	78	78	78
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	75	75	75	75
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72	72	72	72
9	86	79	74	71	85	78	74	71	77	73	71	77	73	70	76	73	70	69	69	69	69
10	83	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	68	67	67	67	67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	99871
5°	97226
10°	84356
15°	65086
20°	45358
25°	23899
30°	6678
35°	2958
40°	1474
45°	768
50°	333
55°	48
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.3	23.0
10°-20°	313.5	45.1
20°-30°	181.2	26.0
30°-40°	31.8	4.6
40°-50°	8.1	1.2
50°-60°	0.9	0.1
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	655.1	94.1
0°-40°	686.8	98.7
0°-60°	695.9	100.0
0°-90°	695.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	695.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1822	
5°	1767	160
15°	1147	314
25°	395	181
35°	44	32
45°	10	8
55°	0	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1821.8
2.5°	1818.8
5°	1766.8
7.5°	1658.3
10°	1515.4
12.5°	1348.0
15°	1146.8
17.5°	939.7
20°	777.5
22.5°	584.0
25°	395.1
27.5°	226.2
30°	105.5
32.5°	72.1
35°	44.2
37.5°	29.6
40°	20.6
42.5°	14.2
45°	9.9
47.5°	6.4
50°	3.9
52.5°	1.8
55°	0.5
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)