

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: P684601

Luminaire Tested: **LX6C08D010 EX6C089027 6LBMH**

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: P684601
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C08D010 EX6C089027 6LBMH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 6LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

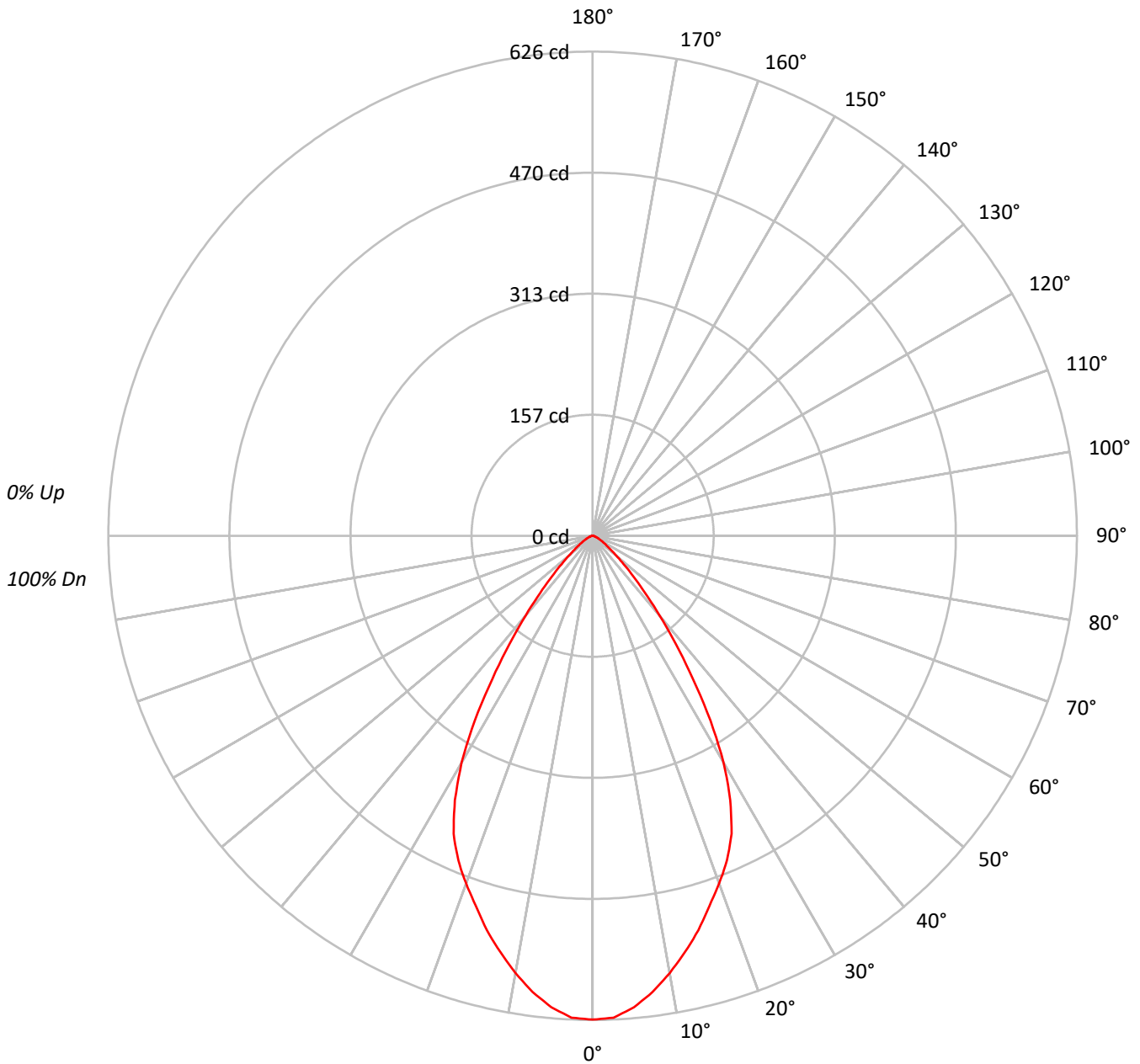
Lumens per Lamp: N/A
Luminaire Lumens: 632.0 lumens
Efficiency: N/A
Efficacy: 63.8 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92	92	92	92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	88	84	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72	72	72	72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61	61	61	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	57	57	57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53	53	53	53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49	49	49	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46	46	46	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34290
5°	33673
10°	31952
15°	29966
20°	27903
25°	25713
30°	21427
35°	15098
40°	9625
45°	5737
50°	3386
55°	2150
60°	1480
65°	1051
70°	721
75°	572
80°	284
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.2	9.0
10°-20°	147.9	23.4
20°-30°	191.7	30.3
30°-40°	142.3	22.5
40°-50°	60.1	9.5
50°-60°	21.3	3.4
60°-70°	8.2	1.3
70°-80°	2.8	0.4
80°-90°	0.4	0.1
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°	396.8	62.8
0°-40°	539.2	85.3
0°-60°	620.5	98.2
0°-90°	632.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	632.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	626	
5°	612	57
15°	528	148
25°	425	192
35°	226	142
45°	74	60
55°	22	21
65°	8	8
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	625.5
2.5°	623.6
5°	611.9
7.5°	594.8
10°	574.0
12.5°	551.4
15°	528.0
17.5°	501.8
20°	478.3
22.5°	454.0
25°	425.1
27.5°	385.4
30°	338.5
32.5°	283.4
35°	225.6
37.5°	176.9
40°	134.5
42.5°	100.2
45°	74.0
47.5°	54.1
50°	39.7
52.5°	29.8
55°	22.5
57.5°	17.1
60°	13.5
62.5°	9.9
65°	8.1
67.5°	6.3
70°	4.5
72.5°	3.6
75°	2.7
77.5°	1.8
80°	0.9
82.5°	0.9
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)