

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: P684615

Luminaire Tested: **LX6C08D010 EX6C089035 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: P684615
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 EX6C089035 6LBMH
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS AND 6LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

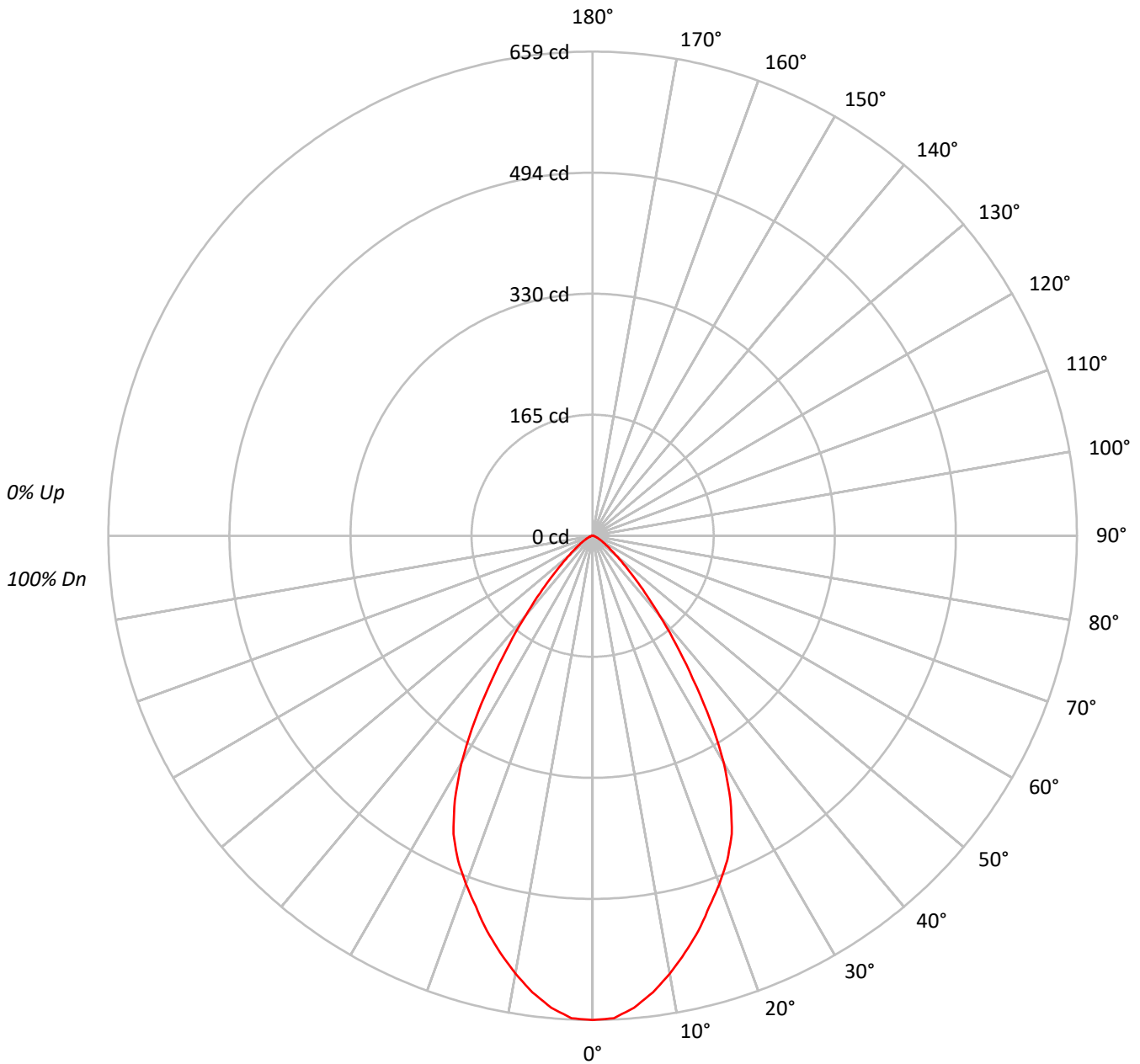
Lumens per Lamp: N/A
Luminaire Lumens: 666.1 lumens
Efficiency: N/A
Efficacy: 67.3 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P684615

CATALOG NUMBER: LX6C08D010 EX6C089035 6LBMH

Luminous Intensity Polar Plot





TEST NUMBER: P684615

CATALOG NUMBER: LX6C08D010 EX6C089035 6LBMH

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	87	83	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°	36132
5°	35483
10°	33672
15°	31578
20°	29408
25°	27098
30°	22579
35°	15914
40°	10140
45°	6047
50°	3573
55°	2275
60°	1568
65°	1116
70°	769
75°	614
80°	284
85°	0



TEST NUMBER: P684615

CATALOG NUMBER: LX6C08D010 EX6C089035 6LBMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.3	9.0
10°-20°	155.9	23.4
20°-30°	202.0	30.3
30°-40°	150.0	22.5
40°-50°	63.3	9.5
50°-60°	22.5	3.4
60°-70°	8.7	1.3
70°-80°	3.0	0.5
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°	418.2	62.8
0°-40°	568.2	85.3
0°-60°	654.0	98.2
0°-90°	666.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	666.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	659	
5°	645	60
15°	556	156
25°	448	202
35°	238	150
45°	78	63
55°	24	23
65°	9	9
75°	3	3
85°	0	0
90°	0	



TEST NUMBER: P684615

CATALOG NUMBER: LX6C08D010 EX6C089035 6LBMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	659.1
2.5°	657.2
5°	644.8
7.5°	626.8
10°	604.9
12.5°	581.1
15°	556.4
17.5°	528.8
20°	504.1
22.5°	478.4
25°	448.0
27.5°	406.1
30°	356.7
32.5°	298.6
35°	237.8
37.5°	186.4
40°	141.7
42.5°	105.6
45°	78.0
47.5°	57.1
50°	41.9
52.5°	31.4
55°	23.8
57.5°	18.1
60°	14.3
62.5°	10.5
65°	8.6
67.5°	6.6
70°	4.8
72.5°	3.8
75°	2.9
77.5°	1.9
80°	0.9
82.5°	0.9
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)