

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: P685233

Luminaire Tested: **LX6C08D010 EX6089050 6LBNLI**

Issue Date: 2/14/2022

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: P685233
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P205310)
Test Lab: INNOVATION CENTER
Issue Date: 2/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C08D010 EX6089050 6LBNLI
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS AND 6LBN TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

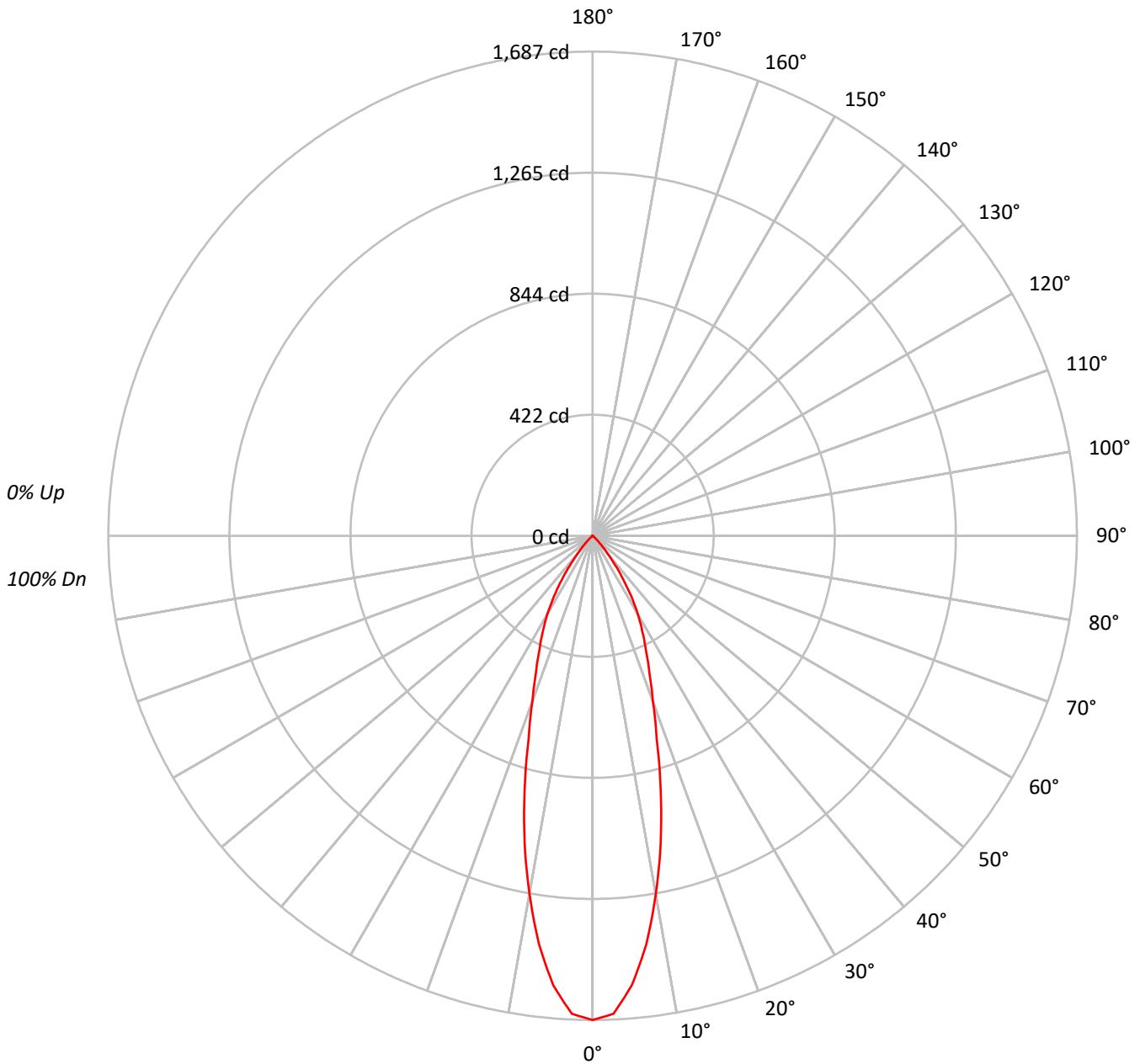
Lumens per Lamp: N/A
Luminaire Lumens: 741.1 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Spacing Criteria (0/90/45): 0.53 / 0.53 / 0.58
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P685233

CATALOG NUMBER: LX6C08D010 EX6089050 6LBNLI

Luminous Intensity Polar Plot





TEST NUMBER: P685233

CATALOG NUMBER: LX6C08D010 EX6089050 6LBNLI

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	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	96	95			
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	89			
3	105	99	94	91	103	97	93	90	95	91	89	93	90	87	90	88	86	85			
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80			
5	96	88	83	79	94	87	83	79	86	82	78	84	81	78	83	80	77	76			
6	92	84	79	75	90	83	78	75	82	77	74	80	76	74	79	76	73	72			
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	69	68			
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	73	69	66	65			
9	81	73	67	64	80	72	67	64	71	67	63	70	66	63	70	66	63	62			
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	67	63	60	59			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	92487
5°	86490
10°	70540
15°	51907
20°	35779
25°	26560
30°	19952
35°	12441
40°	6040
45°	2070
50°	273
55°	210
60°	121
65°	143
70°	176
75°	0
80°	0
85°	0



TEST NUMBER: P685233

CATALOG NUMBER: LX6C08D010 EX6089050 6LBNLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.3	18.9
10°-20°	251.8	34.0
20°-30°	203.6	27.5
30°-40°	117.3	15.8
40°-50°	24.8	3.3
50°-60°	2.2	0.3
60°-70°	1.1	0.1
70°-80°	0.1	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°	595.6	80.4
0°-40°	712.9	96.2
0°-60°	739.8	99.8
0°-90°	741.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	741.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1687	
5°	1572	140
15°	915	252
25°	439	204
35°	186	117
45°	27	25
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P685233

CATALOG NUMBER: LX6C08D010 EX6089050 6LBNLI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1687.1
2.5°	1666.8
5°	1571.7
7.5°	1434.9
10°	1267.2
12.5°	1095.2
15°	914.6
17.5°	740.4
20°	613.3
22.5°	516.1
25°	439.1
27.5°	374.0
30°	315.2
32.5°	250.0
35°	185.9
37.5°	129.3
40°	84.4
42.5°	51.3
45°	26.7
47.5°	10.7
50°	3.2
52.5°	3.2
55°	2.2
57.5°	2.2
60°	1.1
62.5°	1.1
65°	1.1
67.5°	1.1
70°	1.1
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



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)