

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: P685216

Luminaire Tested: **LX6C08D010 EX6089027 6LRMDLI**

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: P685216
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-20)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C08D010 EX6089027 6LRMDLI
Description: 6 INCH 800 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS AND 6LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

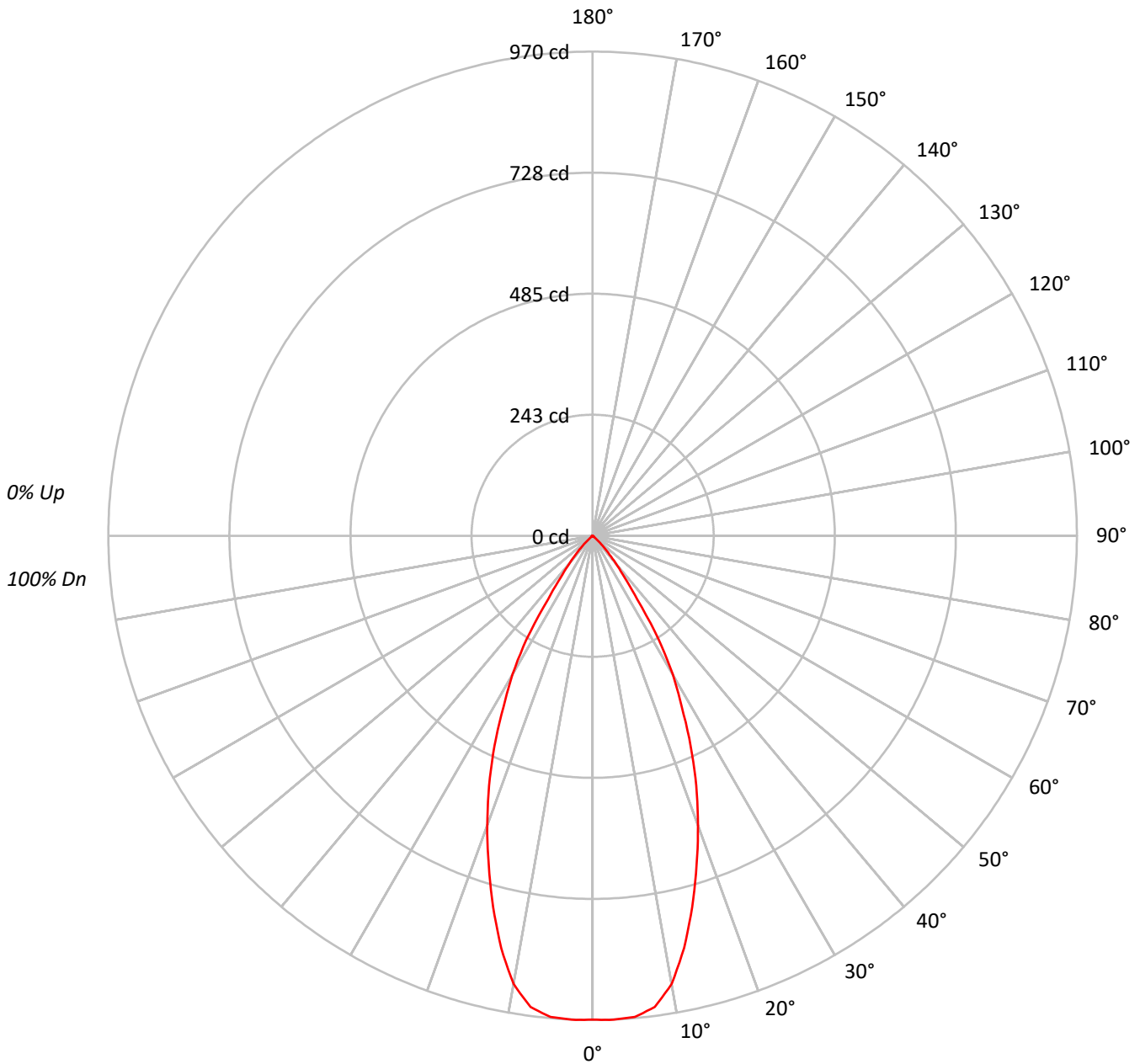
Lumens per Lamp: N/A
Luminaire Lumens: 649.0 lumens
Efficiency: N/A
Efficacy: 65.6 lumens/watt
Spacing Criteria (0/90/45): 0.76 / 0.76 / 0.77
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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: P685216

CATALOG NUMBER: LX6C08D010 EX6089027 6LRMDLI

Luminous Intensity Polar Plot





TEST NUMBER: P685216

CATALOG NUMBER: LX6C08D010 EX6089027 6LRMDLI

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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	109	104	100	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89			
3	104	98	93	90	102	97	92	89	94	90	87	92	89	86	89	87	85	83			
4	99	92	87	83	97	91	86	83	89	85	82	87	83	81	85	82	80	78			
5	95	87	81	77	93	86	81	77	84	80	76	83	79	76	81	78	75	74			
6	90	82	77	73	89	81	76	72	80	75	72	79	74	71	77	74	71	70			
7	86	78	72	68	85	77	72	68	76	71	68	75	71	67	74	70	67	66			
8	83	74	68	64	81	73	68	64	72	67	64	71	67	64	70	66	63	62			
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	59			
10	76	67	61	58	75	66	61	58	65	61	57	65	60	57	64	60	57	56			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	53143
5°	53241
10°	50739
15°	43689
20°	35995
25°	28115
30°	20301
35°	10400
40°	5067
45°	2109
50°	384
55°	220
60°	143
65°	104
70°	80
75°	64
80°	63
85°	0



TEST NUMBER: P685216

CATALOG NUMBER: LX6C08D010 EX6089027 6LRMDLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.7	14.0
10°-20°	213.4	32.9
20°-30°	211.3	32.6
30°-40°	107.1	16.5
40°-50°	23.1	3.6
50°-60°	2.2	0.3
60°-70°	0.8	0.1
70°-80°	0.3	0.0
80°-90°	0.1	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°	515.4	79.4
0°-40°	622.5	95.9
0°-60°	647.8	99.8
0°-90°	649.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	649.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	969	
5°	968	91
15°	770	213
25°	465	211
35°	155	107
45°	27	23
55°	2	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P685216

CATALOG NUMBER: LX6C08D010 EX6089027 6LRMDLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	969.4
2.5°	970.5
5°	967.5
7.5°	952.4
10°	911.5
12.5°	845.8
15°	769.8
17.5°	692.0
20°	617.0
22.5°	541.9
25°	464.8
27.5°	386.1
30°	320.7
32.5°	247.0
35°	155.4
37.5°	104.5
40°	70.8
42.5°	45.8
45°	27.2
47.5°	12.2
50°	4.5
52.5°	3.0
55°	2.3
57.5°	1.7
60°	1.3
62.5°	1.0
65°	0.8
67.5°	0.7
70°	0.5
72.5°	0.3
75°	0.3
77.5°	0.2
80°	0.2
82.5°	0.2
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)