

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: P683930

Luminaire Tested: **LX6C10D010 EX6C109050 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: P683930
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: LX6C10D010 EX6C109050 6LBMH
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LBM TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

Summary

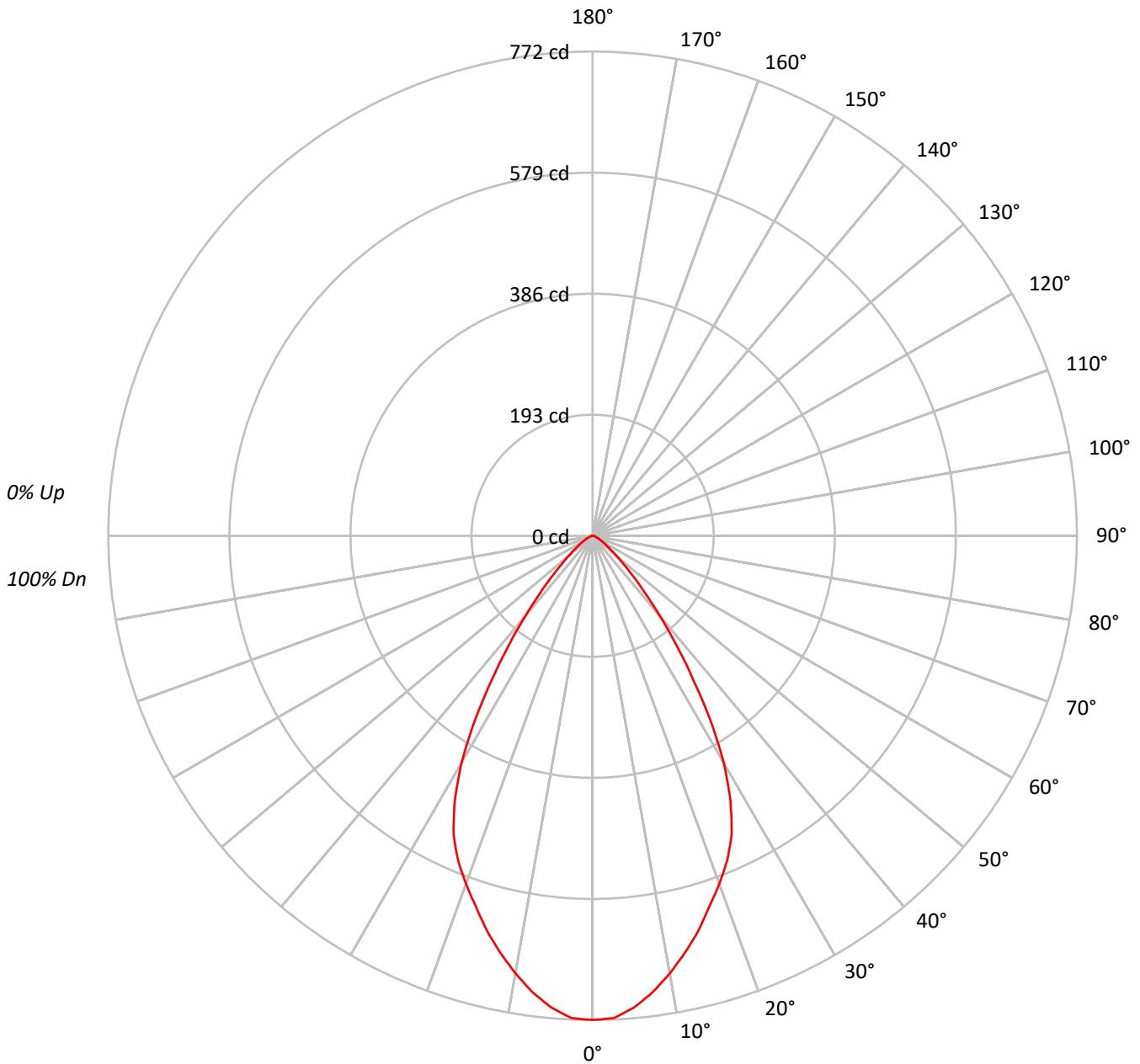
Lumens per Lamp: N/A
Luminaire Lumens: 780.0 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 9.8
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: P683930

CATALOG NUMBER: LX6C10D010 EX6C109050 6LBMH

Luminous Intensity Polar Plot





TEST NUMBER: P683930

CATALOG NUMBER: LX6C10D010 EX6C109050 6LBMH

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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															
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92				92															
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85				85															
3	101	94	88	84	99	92	88	84	90	86	82	87	84	81	85	82	80	78				78															
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72				72															
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66				66															
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61				61															
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57				57															
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53				53															
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49				49															
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46				46															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	42316
5°	41558
10°	39434
15°	36981
20°	34443
25°	31732
30°	26441
35°	18638
40°	11879
45°	7086
50°	4179
55°	2657
60°	1831
65°	1297
70°	898
75°	699
80°	347
85°	0



TEST NUMBER: P683930

CATALOG NUMBER: LX6C10D010 EX6C109050 6LBMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.6	9.0
10°-20°	182.6	23.4
20°-30°	236.6	30.3
30°-40°	175.6	22.5
40°-50°	74.1	9.5
50°-60°	26.3	3.4
60°-70°	10.2	1.3
70°-80°	3.5	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°	489.7	62.8
0°-40°	665.4	85.3
0°-60°	765.9	98.2
0°-90°	780.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	780.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	772	
5°	755	71
15°	652	183
25°	525	237
35°	278	176
45°	91	74
55°	28	26
65°	10	10
75°	3	3
85°	0	0
90°	0	



TEST NUMBER: P683930

CATALOG NUMBER: LX6C10D010 EX6C109050 6LBMH

CANDELA DISTRIBUTION (FULL):

	0°
0°	771.9
2.5°	769.7
5°	755.2
7.5°	734.0
10°	708.4
12.5°	680.6
15°	651.6
17.5°	619.3
20°	590.4
22.5°	560.3
25°	524.6
27.5°	475.6
30°	417.7
32.5°	349.7
35°	278.5
37.5°	218.3
40°	166.0
42.5°	123.6
45°	91.4
47.5°	66.8
50°	49.0
52.5°	36.8
55°	27.8
57.5°	21.1
60°	16.7
62.5°	12.3
65°	10.0
67.5°	7.8
70°	5.6
72.5°	4.4
75°	3.3
77.5°	2.2
80°	1.1
82.5°	1.1
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)