

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: P684735

Luminaire Tested: **LX6C10D010 EX6109030 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: P684735
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: LX6C10D010 EX6109030 6LRMDLI
Description: 6 INCH 1000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Luminaire Equipment: Sample No. Condition Description

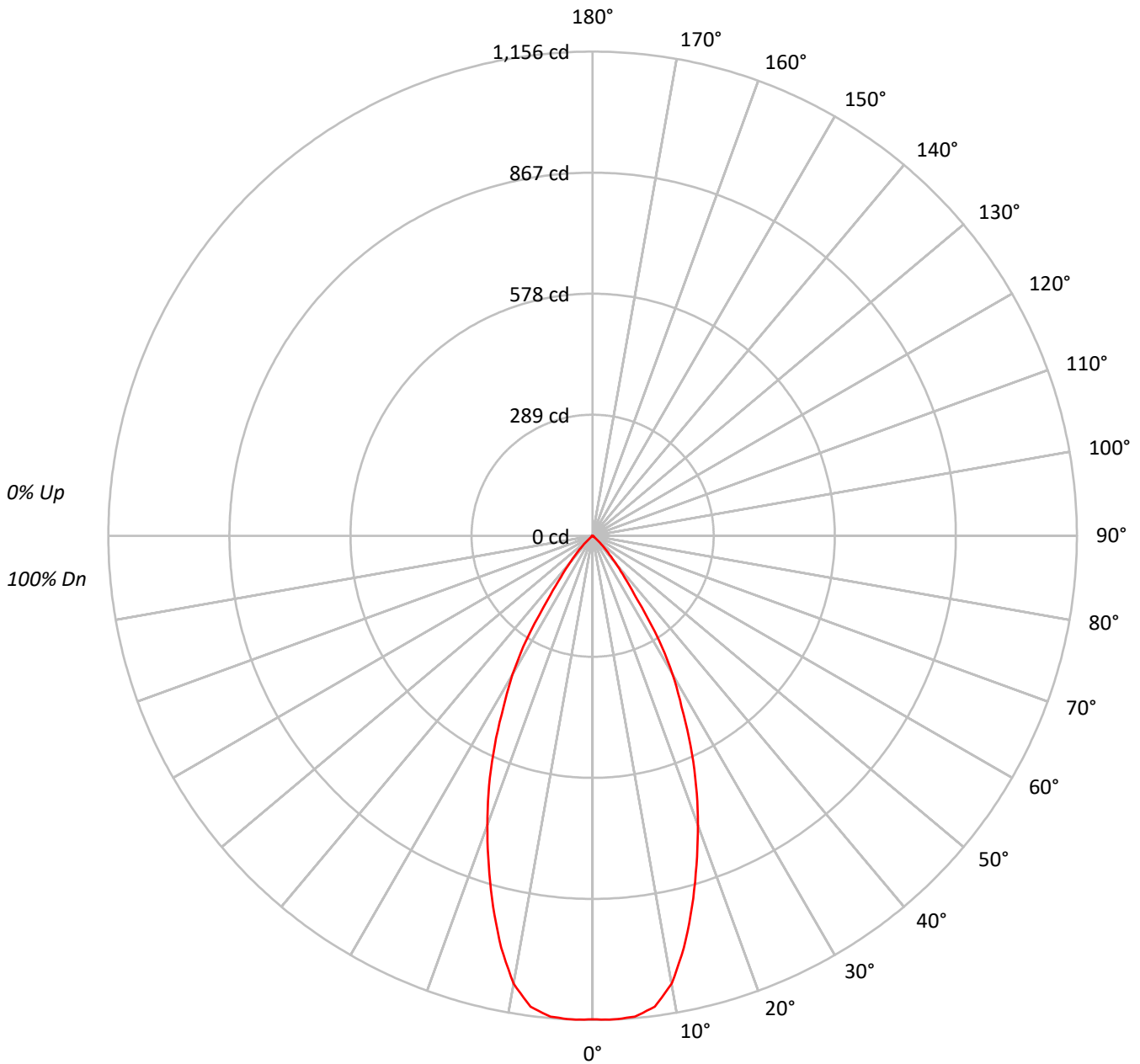
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 773.0 lumens
Efficiency: N/A
Efficacy: 78.9 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): 9.8
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

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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			
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	70	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°	63295
5°	63416
10°	60436
15°	52038
20°	42867
25°	33486
30°	24181
35°	12381
40°	6040
45°	2512
50°	461
55°	268
60°	175
65°	130
70°	96
75°	85
80°	63
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.0	14.0
10°-20°	254.1	32.9
20°-30°	251.7	32.6
30°-40°	127.6	16.5
40°-50°	27.5	3.6
50°-60°	2.6	0.3
60°-70°	1.0	0.1
70°-80°	0.4	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°	613.8	79.4
0°-40°	741.4	95.9
0°-60°	771.6	99.8
0°-90°	773.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	773.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1155	
5°	1152	108
15°	917	254
25°	554	252
35°	185	128
45°	32	28
55°	3	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1154.6
2.5°	1156.0
5°	1152.4
7.5°	1134.3
10°	1085.7
12.5°	1007.4
15°	916.9
17.5°	824.2
20°	734.8
22.5°	645.5
25°	553.6
27.5°	459.8
30°	382.0
32.5°	294.3
35°	185.0
37.5°	124.5
40°	84.4
42.5°	54.6
45°	32.4
47.5°	14.5
50°	5.4
52.5°	3.6
55°	2.8
57.5°	2.0
60°	1.6
62.5°	1.2
65°	1.0
67.5°	0.8
70°	0.6
72.5°	0.4
75°	0.4
77.5°	0.2
80°	0.2
82.5°	0.2
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)