

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: P563910

Luminaire Tested: **LX6C15D010 EX6C159030 6LBWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P563910
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P202739)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C15D010 EX6C159030 6LBWH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBW TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

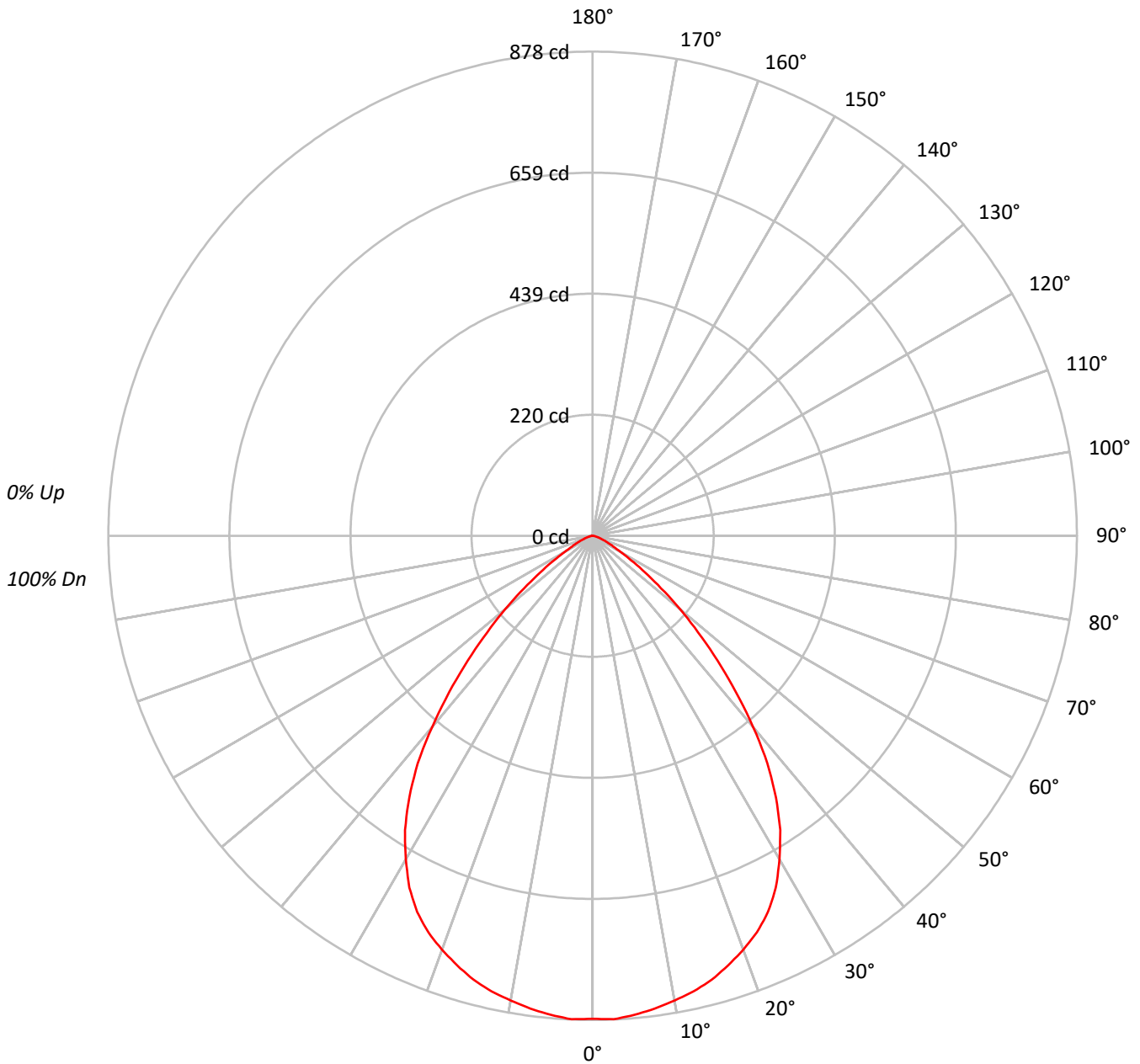
Lumens per Lamp: N/A
Luminaire Lumens: 1420.0 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91		
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81		
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73		
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65		
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59		
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53		
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41		
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	48012
5°	47991
10°	47628
15°	47310
20°	46589
25°	45523
30°	42867
35°	38789
40°	32396
45°	24817
50°	17577
55°	11087
60°	6260
65°	4060
70°	2661
75°	1949
80°	1168
85°	1132



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.7	5.8
10°-20°	234.7	16.5
20°-30°	344.2	24.2
30°-40°	358.2	25.2
40°-50°	247.8	17.5
50°-60°	107.9	7.6
60°-70°	33.1	2.3
70°-80°	9.9	0.7
80°-90°	1.5	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°	661.6	46.6
0°-40°	1019.8	71.8
0°-60°	1375.5	96.9
0°-90°	1420.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1420.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	876	
5°	872	83
15°	834	235
25°	753	344
35°	580	358
45°	320	248
55°	116	108
65°	31	33
75°	9	10
85°	2	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	875.8
2.5°	877.6
5°	872.1
7.5°	864.8
10°	855.6
12.5°	846.4
15°	833.6
17.5°	816.9
20°	798.6
22.5°	778.4
25°	752.6
27.5°	719.5
30°	677.2
32.5°	632.9
35°	579.6
37.5°	520.7
40°	452.7
42.5°	384.6
45°	320.1
47.5°	259.4
50°	206.1
52.5°	156.4
55°	116.0
57.5°	82.8
60°	57.1
62.5°	42.3
65°	31.3
67.5°	23.9
70°	16.6
72.5°	12.9
75°	9.2
77.5°	5.5
80°	3.7
82.5°	1.8
85°	1.8
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)