

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: P563906

Luminaire Tested: **LX6C15D010 EX6C159030 6LBMDH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P563906
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2105-247-21)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C15D010 EX6C159030 6LBMDH
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LRMD45 TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

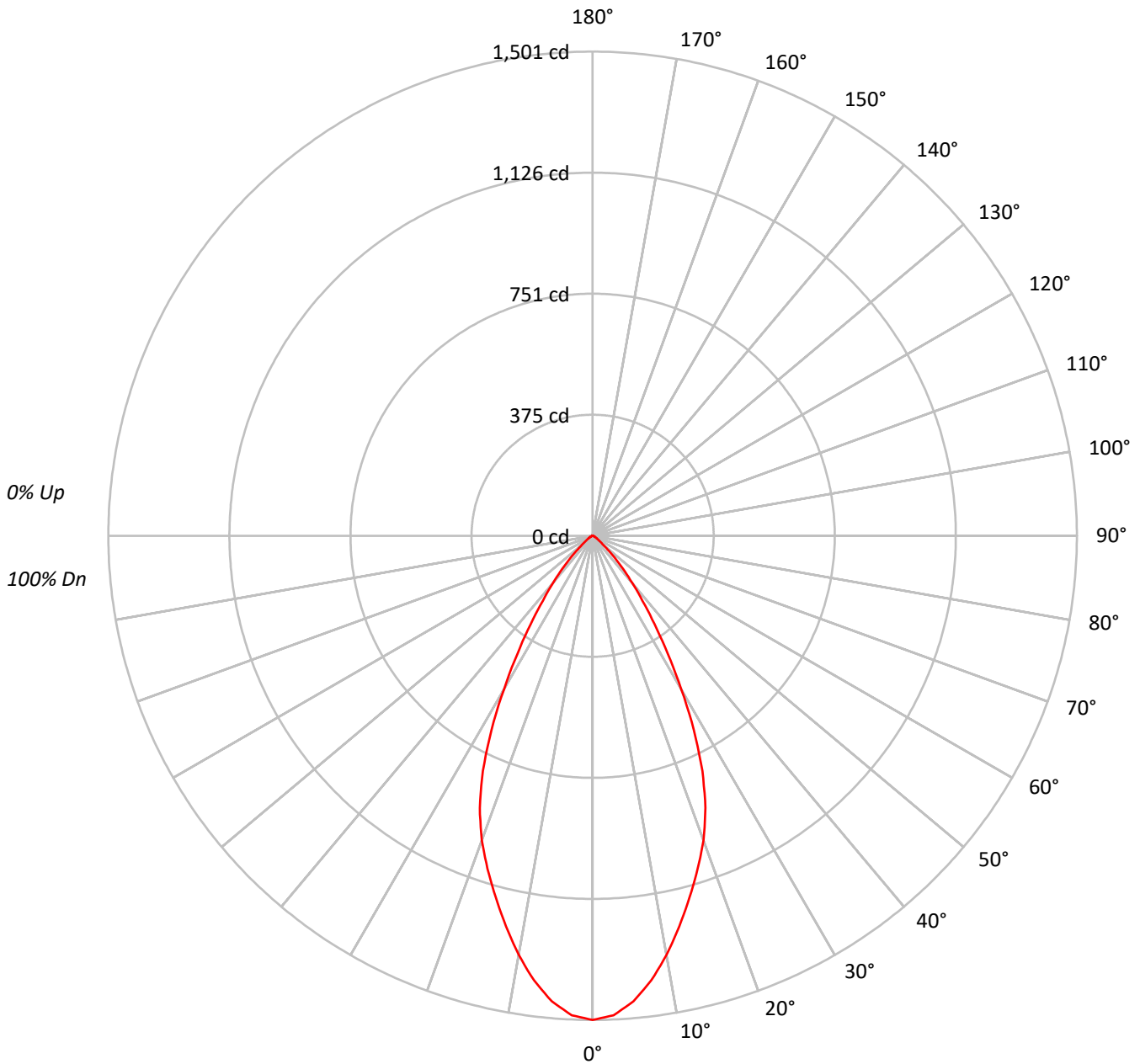
Lumens per Lamp: N/A
Luminaire Lumens: 1142.0 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.8
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P563906

CATALOG NUMBER: LX6C15D010 EX6C159030 6LBMDH

Luminous Intensity Polar Plot





TEST NUMBER: P563906

CATALOG NUMBER: LX6C15D010 EX6C159030 6LBMDH

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	113	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	94	98	95	92	95	93	90	92	90	89	87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81			
4	97	90	84	80	95	89	83	80	86	82	79	84	81	78	83	79	77	75			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			
6	88	79	73	69	86	78	73	69	77	72	68	75	71	68	74	70	67	66			
7	84	74	68	64	82	74	68	64	72	67	64	71	67	63	70	66	63	62			
8	80	70	64	60	78	70	64	60	68	63	60	67	63	59	66	62	59	58			
9	76	66	60	56	75	66	60	56	65	60	56	64	59	56	63	59	56	54			
10	72	63	57	53	71	62	57	53	62	56	53	61	56	53	60	56	53	51			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	82285
5°	79738
10°	73423
15°	65857
20°	58595
25°	48662
30°	34765
35°	22346
40°	13618
45°	7567
50°	3352
55°	1940
60°	1283
65°	908
70°	641
75°	487
80°	316
85°	189



TEST NUMBER: P563906

CATALOG NUMBER: LX6C15D010 EX6C159030 6LBMDH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.1	11.7
10°-20°	324.7	28.4
20°-30°	361.0	31.6
30°-40°	213.9	18.7
40°-50°	78.4	6.9
50°-60°	19.7	1.7
60°-70°	7.2	0.6
70°-80°	2.5	0.2
80°-90°	0.5	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°	819.8	71.8
0°-40°	1033.8	90.5
0°-60°	1131.8	99.1
0°-90°	1142.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1142.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1501	
5°	1449	134
15°	1160	325
25°	804	361
35°	334	214
45°	98	78
55°	20	20
65°	7	7
75°	2	3
85°	0	0
90°	0	



TEST NUMBER: P563906

CATALOG NUMBER: LX6C15D010 EX6C159030 6LBMDH

CANDELA DISTRIBUTION (FULL):

	0°
0°	1501.0
2.5°	1487.7
5°	1449.0
7.5°	1390.4
10°	1319.0
12.5°	1240.4
15°	1160.4
17.5°	1082.8
20°	1004.4
22.5°	913.5
25°	804.5
27.5°	679.2
30°	549.2
32.5°	432.9
35°	333.9
37.5°	253.6
40°	190.3
42.5°	138.6
45°	97.6
47.5°	62.0
50°	39.3
52.5°	27.7
55°	20.3
57.5°	15.3
60°	11.7
62.5°	9.0
65°	7.0
67.5°	5.3
70°	4.0
72.5°	3.0
75°	2.3
77.5°	1.7
80°	1.0
82.5°	0.7
85°	0.3
87.5°	0.3
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180°







(END OF REPORT)