

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: P684036

Luminaire Tested: **LX6C15D010 EX6C159027 6LBMDH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P684036  
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 EX6C159027 6LBMDH  
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

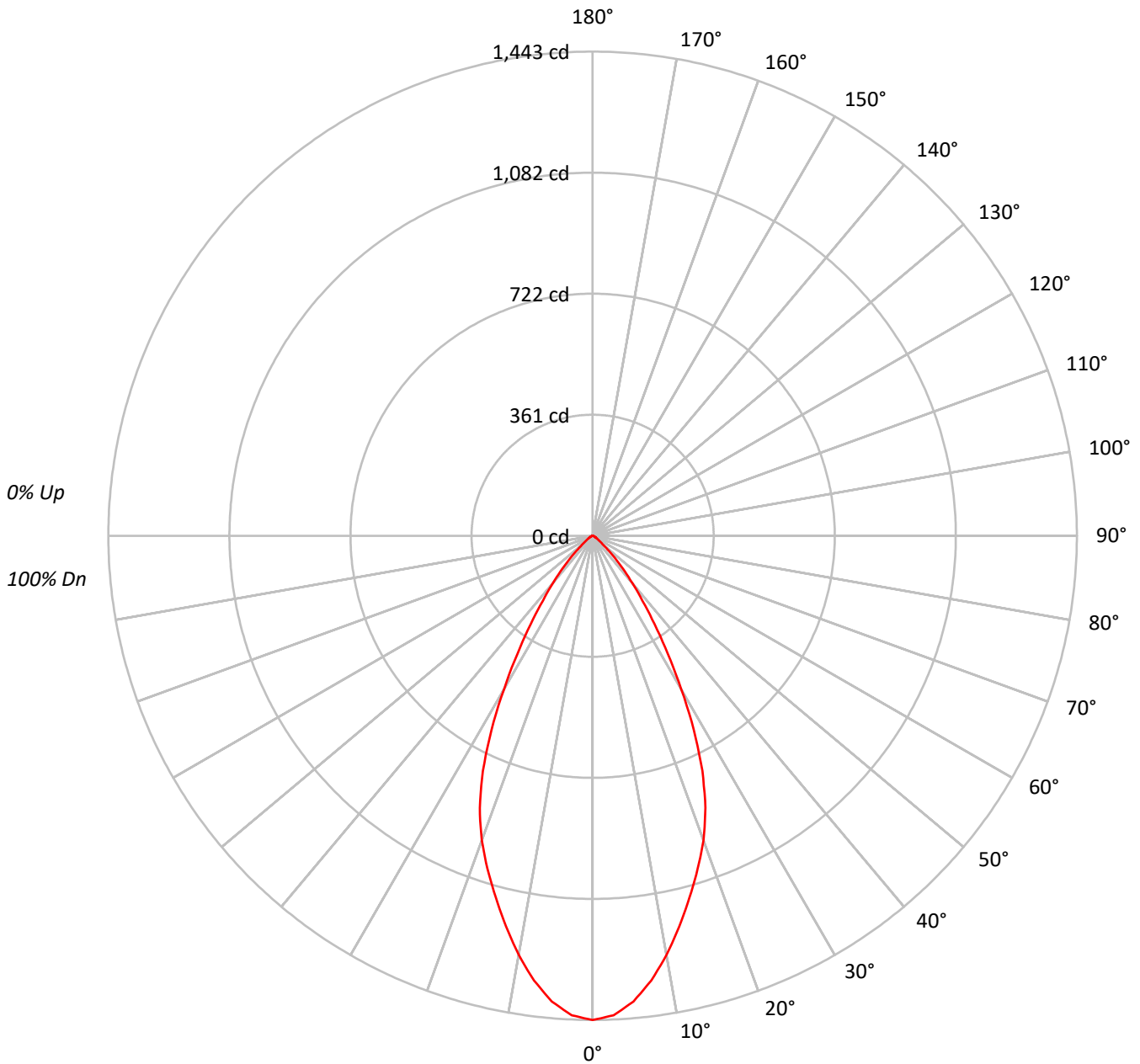
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1097.9 lumens  
Efficiency: N/A  
Efficacy: 69.5 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<sub>in</sub>): 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	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°	79116
5°	76667
10°	70595
15°	63320
20°	56337
25°	46787
30°	33423
35°	21489
40°	13096
45°	7280
50°	3224
55°	1864
60°	1228
65°	869
70°	609
75°	466
80°	316
85°	189



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.0	11.7
10°-20°	312.1	28.4
20°-30°	347.1	31.6
30°-40°	205.7	18.7
40°-50°	75.4	6.9
50°-60°	18.9	1.7
60°-70°	6.9	0.6
70°-80°	2.4	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°	788.2	71.8
0°-40°	993.9	90.5
0°-60°	1088.2	99.1
0°-90°	1097.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1097.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1443	
5°	1393	129
15°	1116	312
25°	774	347
35°	321	206
45°	94	75
55°	20	19
65°	7	7
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1443.2
2.5°	1430.3
5°	1393.2
7.5°	1336.8
10°	1268.2
12.5°	1192.6
15°	1115.7
17.5°	1041.0
20°	965.7
22.5°	878.3
25°	773.5
27.5°	653.0
30°	528.0
32.5°	416.2
35°	321.1
37.5°	243.8
40°	183.0
42.5°	133.3
45°	93.9
47.5°	59.6
50°	37.8
52.5°	26.6
55°	19.5
57.5°	14.7
60°	11.2
62.5°	8.7
65°	6.7
67.5°	5.1
70°	3.8
72.5°	2.9
75°	2.2
77.5°	1.6
80°	1.0
82.5°	0.6
85°	0.3
87.5°	0.3
90°	0.0



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— 0°-180°







(END OF REPORT)