

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: P684132

Luminaire Tested: **LX6C25D010 EX6C259027 6LBMDH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P684132  
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: LX6C25D010 EX6C259027 6LBMDH  
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

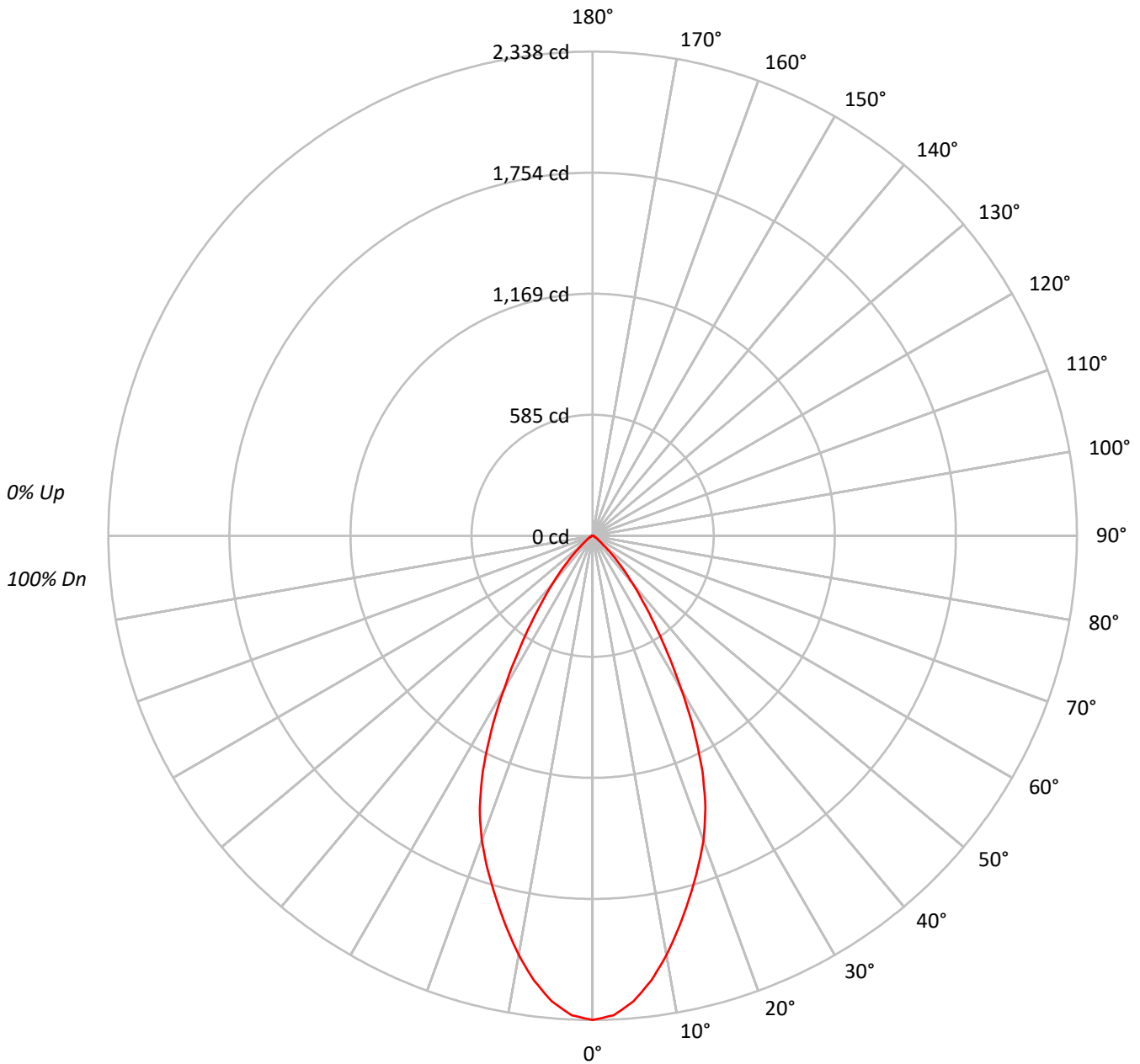
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1779.0 lumens  
Efficiency: N/A  
Efficacy: 56.5 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): 31.5  
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°	128181
5°	124218
10°	114382
15°	102594
20°	91282
25°	75803
30°	54160
35°	34813
40°	21211
45°	11792
50°	5228
55°	3030
60°	1995
65°	1414
70°	994
75°	763
80°	505
85°	314



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	208.9	11.7
10°-20°	505.7	28.4
20°-30°	562.4	31.6
30°-40°	333.3	18.7
40°-50°	122.1	6.9
50°-60°	30.7	1.7
60°-70°	11.2	0.6
70°-80°	3.9	0.2
80°-90°	0.8	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°	1277.1	71.8
0°-40°	1610.4	90.5
0°-60°	1763.2	99.1
0°-90°	1779.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1779.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2338	
5°	2257	209
15°	1808	506
25°	1253	562
35°	520	333
45°	152	122
55°	32	31
65°	11	11
75°	4	4
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2338.2
2.5°	2317.5
5°	2257.3
7.5°	2165.9
10°	2054.8
12.5°	1932.3
15°	1807.7
17.5°	1686.7
20°	1564.7
22.5°	1423.0
25°	1253.2
27.5°	1058.0
30°	855.6
32.5°	674.4
35°	520.2
37.5°	395.1
40°	296.4
42.5°	216.0
45°	152.1
47.5°	96.6
50°	61.3
52.5°	43.1
55°	31.7
57.5°	23.9
60°	18.2
62.5°	14.0
65°	10.9
67.5°	8.3
70°	6.2
72.5°	4.7
75°	3.6
77.5°	2.6
80°	1.6
82.5°	1.0
85°	0.5
87.5°	0.5
90°	0.0



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— 0°-180°







(END OF REPORT)