

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: P684139

Luminaire Tested: **LX6C25D010 EX6C259030 6LBMDH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P684139  
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 EX6C259030 6LBMDH  
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS  
AND 6LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

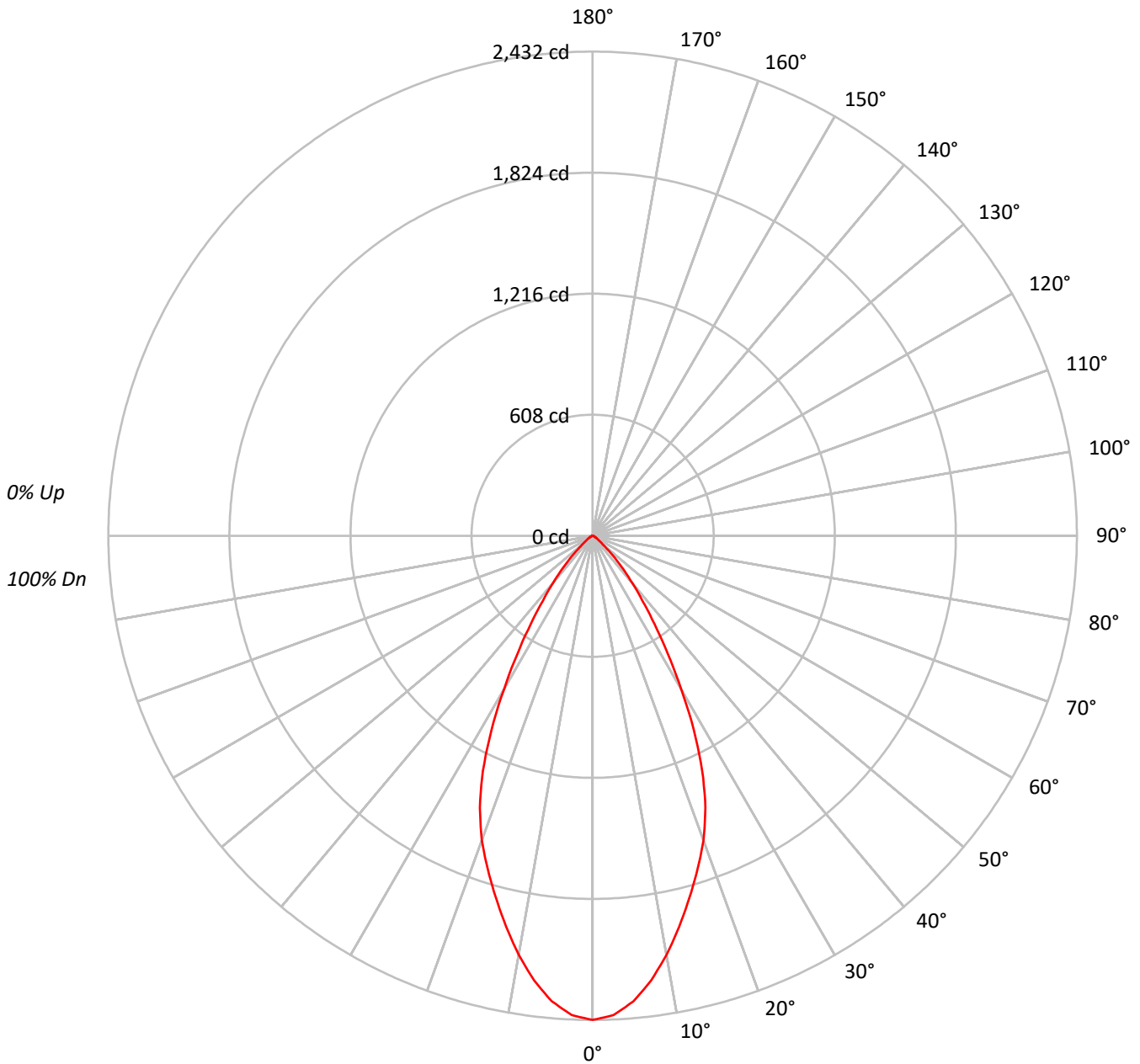
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1850.0 lumens  
Efficiency: N/A  
Efficacy: 58.7 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°	133301
5°	129171
10°	118947
15°	106686
20°	94928
25°	78827
30°	56319
35°	36199
40°	22063
45°	12265
50°	5433
55°	3144
60°	2072
65°	1466
70°	1042
75°	805
80°	505
85°	314



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.3	11.7
10°-20°	525.9	28.4
20°-30°	584.9	31.6
30°-40°	346.6	18.7
40°-50°	127.0	6.9
50°-60°	31.9	1.7
60°-70°	11.6	0.6
70°-80°	4.1	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°	1328.1	71.8
0°-40°	1674.6	90.5
0°-60°	1833.5	99.1
0°-90°	1850.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1850.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2432	
5°	2347	217
15°	1880	526
25°	1303	585
35°	541	347
45°	158	127
55°	33	32
65°	11	12
75°	4	4
85°	0	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2431.6
2.5°	2410.0
5°	2347.3
7.5°	2252.3
10°	2136.8
12.5°	2009.4
15°	1879.8
17.5°	1754.0
20°	1627.2
22.5°	1479.8
25°	1303.2
27.5°	1100.2
30°	889.7
32.5°	701.3
35°	540.9
37.5°	410.8
40°	308.3
42.5°	224.6
45°	158.2
47.5°	100.4
50°	63.7
52.5°	44.8
55°	32.9
57.5°	24.8
60°	18.9
62.5°	14.6
65°	11.3
67.5°	8.6
70°	6.5
72.5°	4.9
75°	3.8
77.5°	2.7
80°	1.6
82.5°	1.1
85°	0.5
87.5°	0.5
90°	0.0



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— 0°-180°







(END OF REPORT)