

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: P684419

Luminaire Tested: **LX6C55D010 EX6C559035 6LBMDH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P684419  
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: LX6C55D010 EX6C559035 6LBMDH  
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS  
AND 6LRMD45 TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

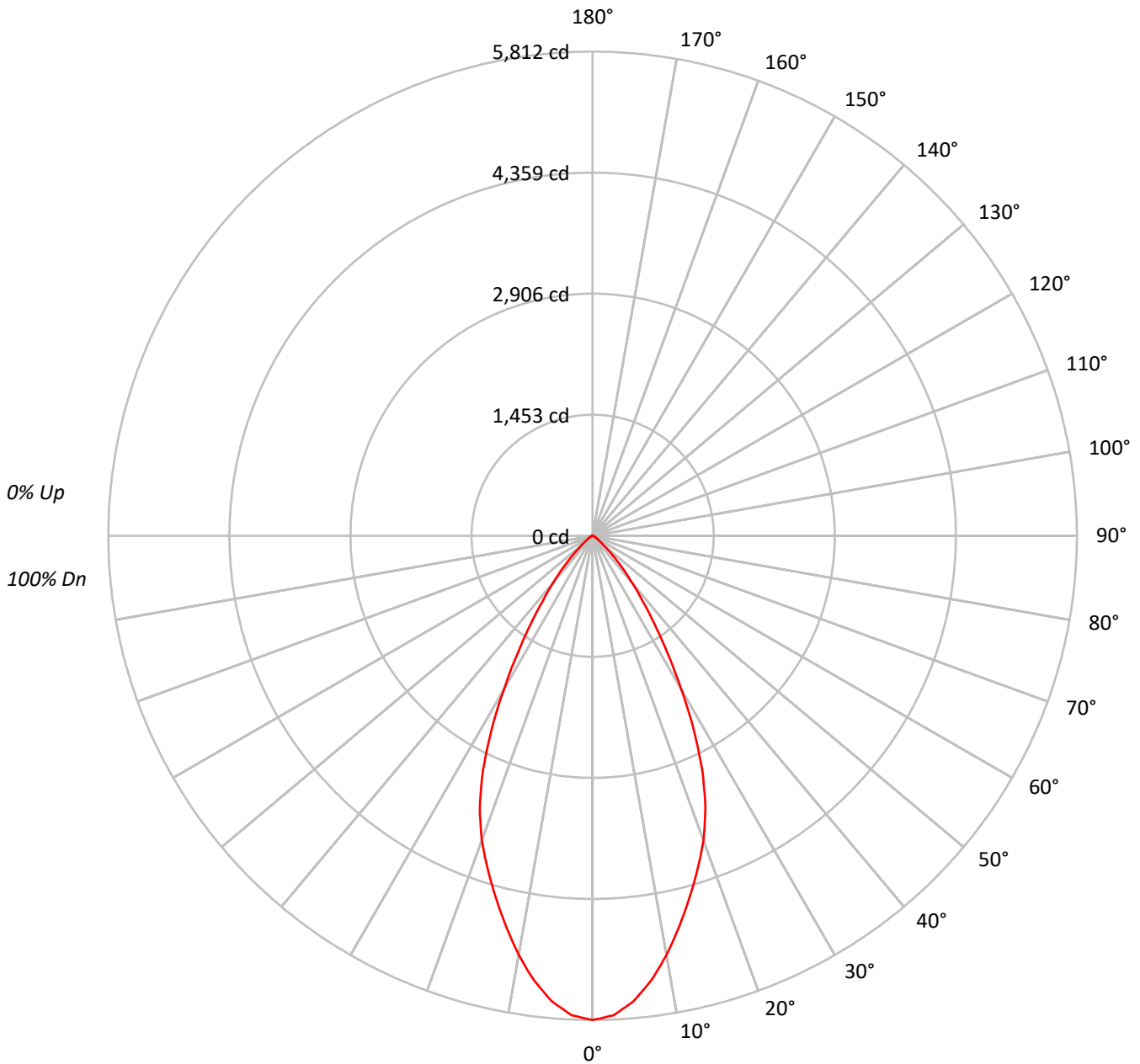
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4422.0 lumens  
Efficiency: N/A  
Efficacy: 69.2 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): 63.9  
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°	318620
5°	308760
10°	284313
15°	255013
20°	226896
25°	188424
30°	134616
35°	86532
40°	52727
45°	29313
50°	12989
55°	7522
60°	4956
65°	3515
70°	2484
75°	1906
80°	1231
85°	818



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	519.4	11.7
10°-20°	1257.1	28.4
20°-30°	1398.0	31.6
30°-40°	828.4	18.7
40°-50°	303.4	6.9
50°-60°	76.3	1.7
60°-70°	27.8	0.6
70°-80°	9.7	0.2
80°-90°	1.9	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°	3174.5	71.8
0°-40°	4002.9	90.5
0°-60°	4382.6	99.1
0°-90°	4422.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4422.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5812	
5°	5611	519
15°	4493	1257
25°	3115	1398
35°	1293	828
45°	378	303
55°	79	76
65°	27	28
75°	9	10
85°	1	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5812.1
2.5°	5760.5
5°	5610.8
7.5°	5383.7
10°	5107.5
12.5°	4803.0
15°	4493.3
17.5°	4192.6
20°	3889.3
22.5°	3537.1
25°	3115.1
27.5°	2629.9
30°	2126.6
32.5°	1676.3
35°	1293.0
37.5°	982.0
40°	736.8
42.5°	536.8
45°	378.1
47.5°	240.0
50°	152.3
52.5°	107.1
55°	78.7
57.5°	59.4
60°	45.2
62.5°	34.8
65°	27.1
67.5°	20.6
70°	15.5
72.5°	11.6
75°	9.0
77.5°	6.5
80°	3.9
82.5°	2.6
85°	1.3
87.5°	1.3
90°	0.0



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— 0°-180°







(END OF REPORT)