

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: P684427

Luminaire Tested: **LX6C55D010 EX6C559040 6LBMH**

Issue Date: 2/15/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P684427  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C55D010 EX6C559040 6LBMH  
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS  
AND 6LBM TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

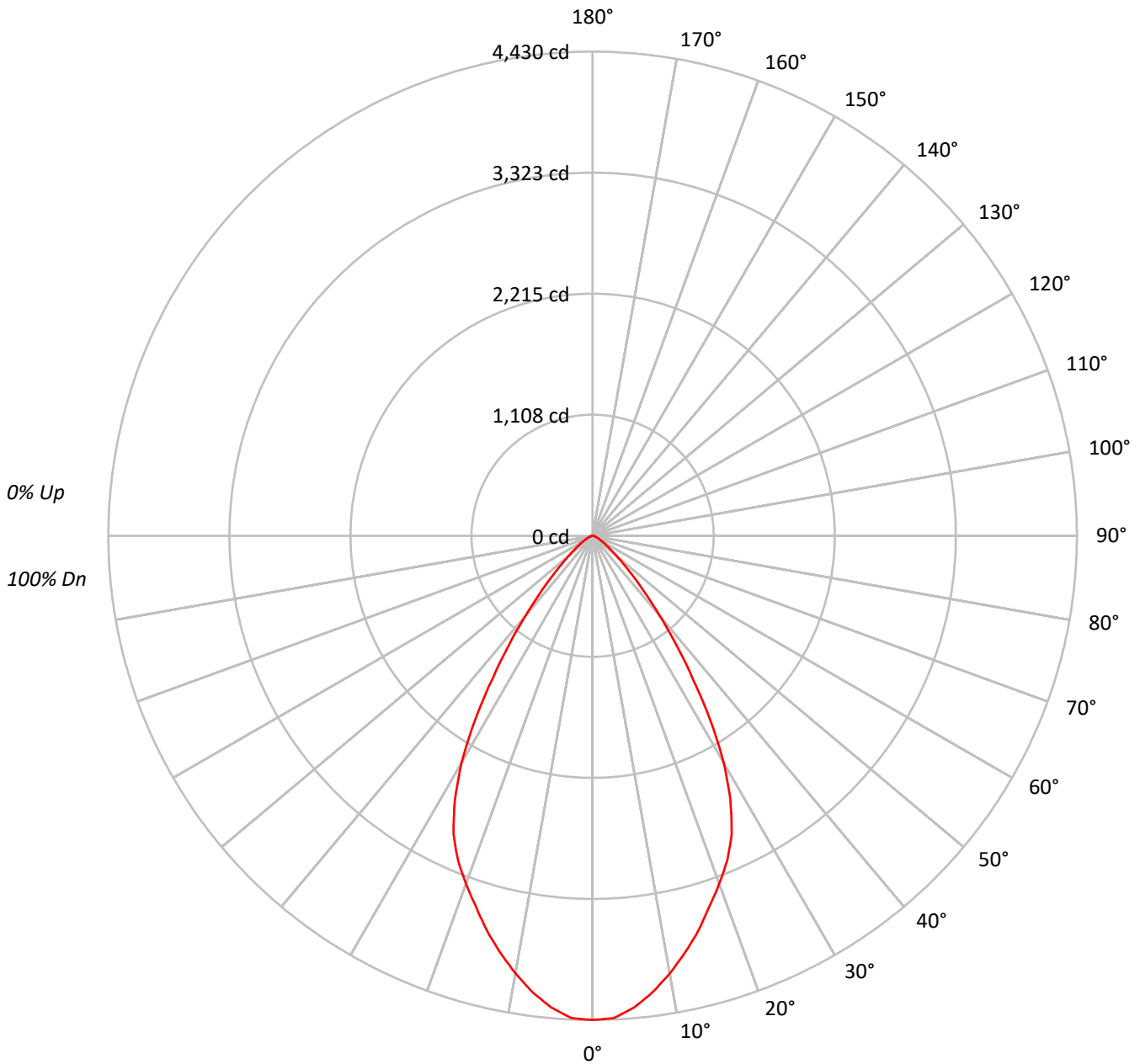
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4476.1 lumens  
Efficiency: N/A  
Efficacy: 70.0 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.93  
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	100	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92	92	92	92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72	72	72	72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61	61	61	61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	57	57	57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53	53	53	53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49	49	49	49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46	46	46	46

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	242837
5°	238487
10°	226304
15°	212215
20°	197633
25°	182103
30°	151732
35°	106943
40°	68156
45°	40648
50°	23991
55°	15263
60°	10515
65°	7459
70°	5129
75°	4067
80°	1989
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	405.0	9.0
10°-20°	1047.8	23.4
20°-30°	1357.6	30.3
30°-40°	1007.9	22.5
40°-50°	425.5	9.5
50°-60°	151.1	3.4
60°-70°	58.3	1.3
70°-80°	20.2	0.5
80°-90°	2.6	0.1
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°	2810.4	62.8
0°-40°	3818.4	85.3
0°-60°	4395.0	98.2
0°-90°	4476.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4476.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4430	
5°	4334	405
15°	3739	1048
25°	3011	1358
35°	1598	1008
45°	524	426
55°	160	151
65°	58	58
75°	19	20
85°	0	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4429.7
2.5°	4416.8
5°	4333.8
7.5°	4212.2
10°	4065.4
12.5°	3905.4
15°	3739.2
17.5°	3554.0
20°	3387.7
22.5°	3215.2
25°	3010.6
27.5°	2729.3
30°	2397.0
32.5°	2007.0
35°	1598.0
37.5°	1252.9
40°	952.4
42.5°	709.4
45°	524.3
47.5°	383.5
50°	281.3
52.5°	210.9
55°	159.7
57.5°	121.4
60°	95.9
62.5°	70.4
65°	57.5
67.5°	44.7
70°	32.0
72.5°	25.5
75°	19.2
77.5°	12.9
80°	6.3
82.5°	6.3
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)