

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: P568276

Luminaire Tested: **LD6C150D010 EU61509027 6LBMGPH**

Issue Date: 10/10/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P568276  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P203254)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/10/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LD6C150D010 EU61509027 6LBMGPH  
Description: 6 INCH 15000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBM TRIM WITH GPH FINISH  
Light Source: -  
Ballast/Driver: -

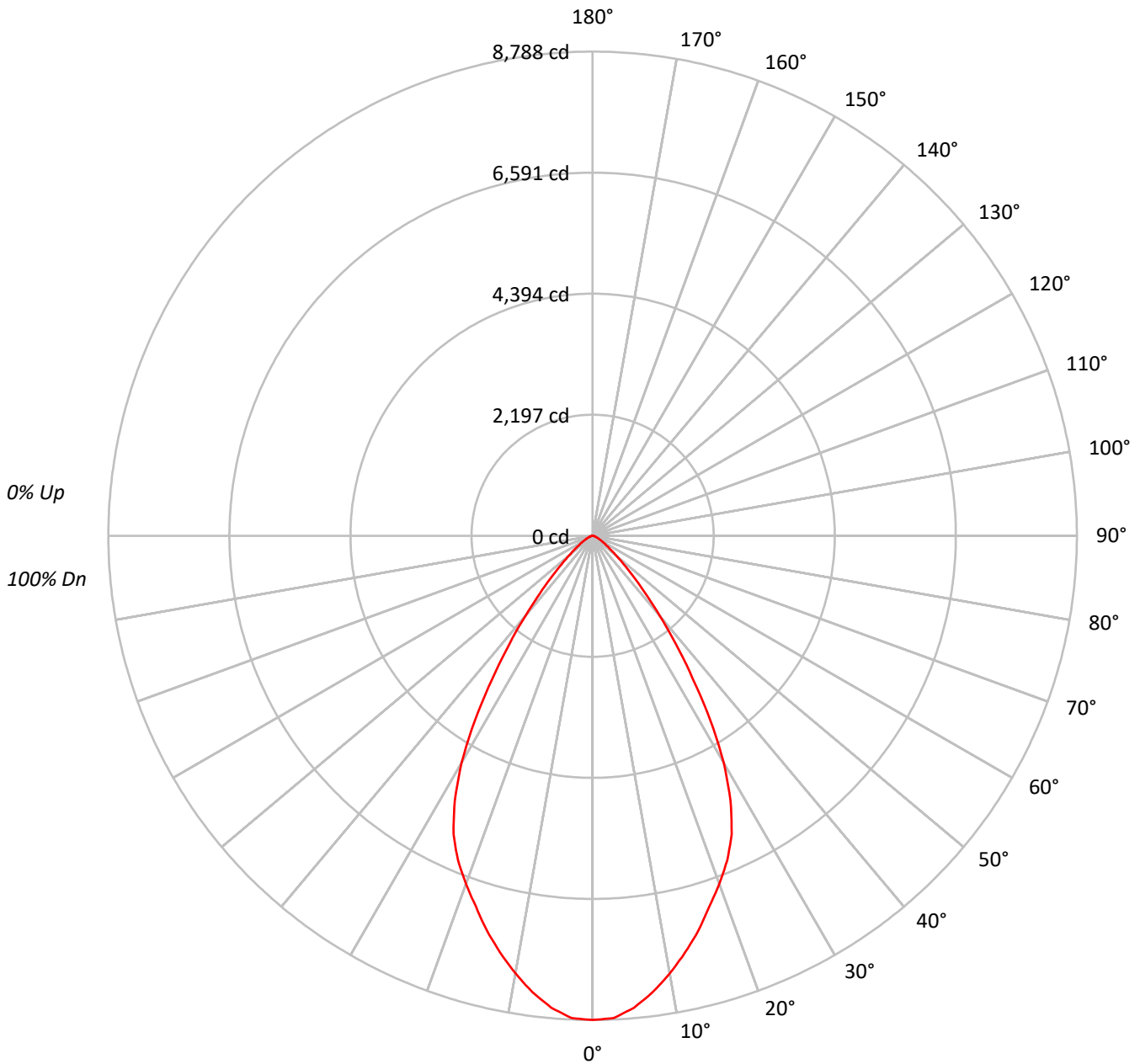
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8880.0 lumens  
Efficiency: N/A  
Efficacy: 51.9 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): 171.1  
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
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92			92
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85
3	101	94	88	84	99	92	87	84	90	86	82	87	84	81	85	82	80	78			78
4	95	87	81	76	93	86	80	76	84	79	75	82	78	74	80	76	73	72			72
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	75	71	68	66			66
6	85	75	69	64	83	75	69	64	73	68	64	72	67	63	70	66	63	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	76	66	60	55	75	65	59	55	64	59	55	63	58	55	62	58	54	53			53
9	72	62	56	51	71	61	55	51	60	55	51	60	55	51	59	54	51	49			49
10	69	58	52	48	68	58	52	48	57	52	48	56	51	48	55	51	48	46			46

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

	0°
0°	481765
5°	473139
10°	448967
15°	421013
20°	392092
25°	361273
30°	301021
35°	212166
40°	135218
45°	80636
50°	47598
55°	30278
60°	20854
65°	14801
70°	10194
75°	8049
80°	3946
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	803.5	9.0
10°-20°	2078.7	23.4
20°-30°	2693.4	30.3
30°-40°	1999.6	22.5
40°-50°	844.2	9.5
50°-60°	299.7	3.4
60°-70°	115.7	1.3
70°-80°	40.0	0.5
80°-90°	5.1	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°	5575.6	62.8
0°-40°	7575.3	85.3
0°-60°	8719.2	98.2
0°-90°	8880.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8880.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8788	
5°	8598	804
15°	7418	2079
25°	5973	2693
35°	3170	2000
45°	1040	844
55°	317	300
65°	114	116
75°	38	40
85°	0	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8788.1
2.5°	8762.6
5°	8597.9
7.5°	8356.7
10°	8065.4
12.5°	7748.1
15°	7418.2
17.5°	7050.8
20°	6721.0
22.5°	6378.6
25°	5972.7
27.5°	5414.6
30°	4755.4
32.5°	3981.6
35°	3170.3
37.5°	2485.6
40°	1889.5
42.5°	1407.5
45°	1040.1
47.5°	760.8
50°	558.1
52.5°	418.4
55°	316.8
57.5°	240.8
60°	190.2
62.5°	139.6
65°	114.1
67.5°	88.6
70°	63.6
72.5°	50.6
75°	38.0
77.5°	25.5
80°	12.5
82.5°	12.5
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)