

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: P683866

Luminaire Tested: **LX6C100D010 EX6C1009027 6LBWH**

Issue Date: 2/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P683866  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P202739)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C100D010 EX6C1009027 6LBWH  
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LBW TRIM WITH H FINISH  
Light Source: -  
Ballast/Driver: -

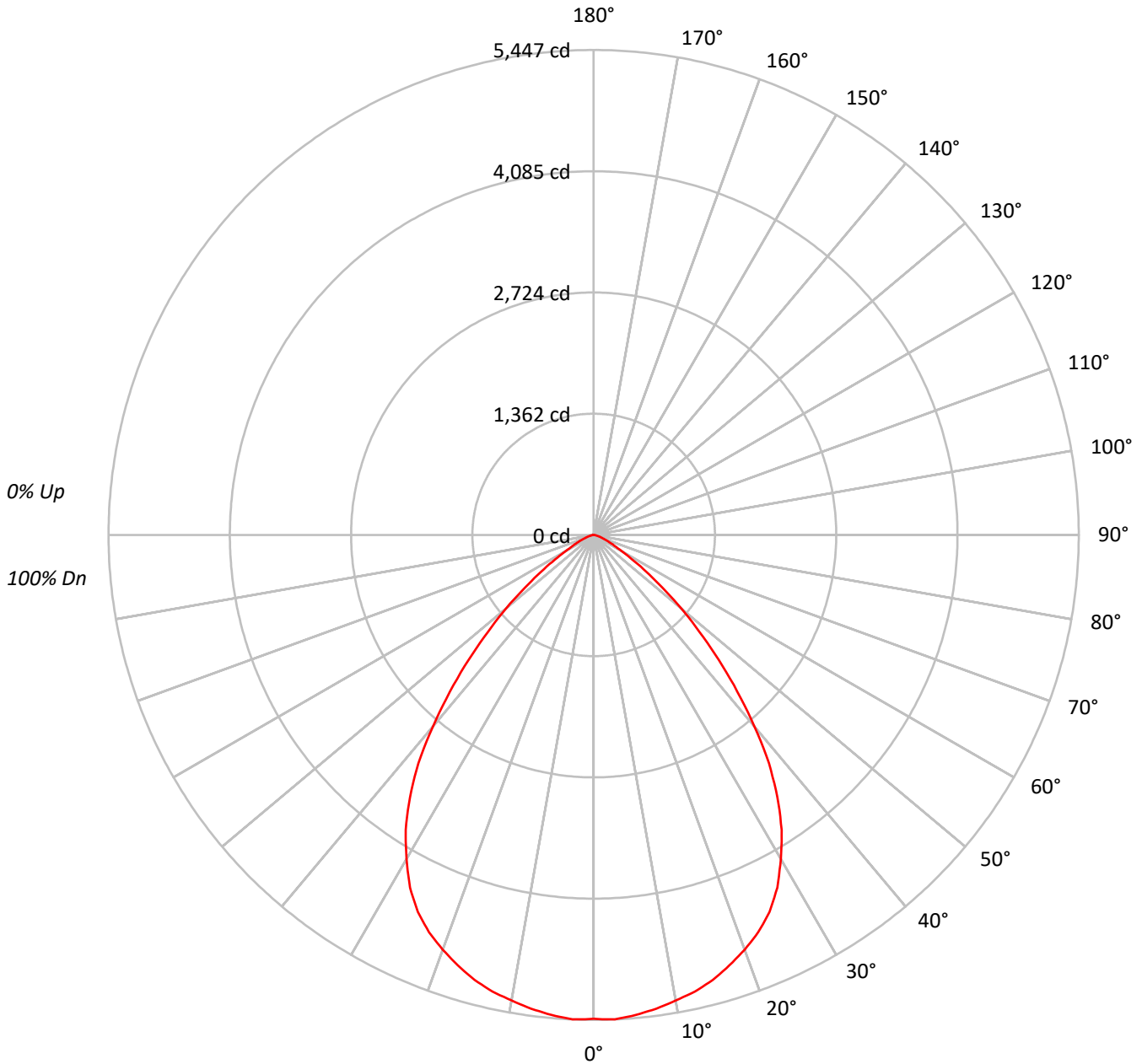
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8813.0 lumens  
Efficiency: N/A  
Efficacy: 77.0 lumens/watt  
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.16  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 114.4  
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	112	109	106	103	110	107	104	101	103	100	98	99	97	95	95	94	93	91			91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81			81
3	98	90	84	79	96	89	83	78	86	81	77	83	79	76	81	78	75	73			73
4	92	82	75	70	90	81	75	70	79	73	69	77	72	68	75	71	67	65			65
5	86	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59			59
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53			53
7	75	64	56	51	73	63	56	51	62	55	51	60	55	51	59	54	50	49			49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44
9	66	55	48	43	65	54	47	43	53	47	43	52	47	42	51	46	42	41			41
10	62	51	44	40	61	50	44	39	50	43	39	49	43	39	48	43	39	38			38

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

	0°
0°	297975
5°	297875
10°	295580
15°	293600
20°	289131
25°	282524
30°	266016
35°	240742
40°	201027
45°	154039
50°	109088
55°	68777
60°	38802
65°	25191
70°	16445
75°	12094
80°	7261
85°	7233



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	513.4	5.8
10°-20°	1456.8	16.5
20°-30°	2135.9	24.2
30°-40°	2223.0	25.2
40°-50°	1538.0	17.5
50°-60°	669.7	7.6
60°-70°	205.4	2.3
70°-80°	61.6	0.7
80°-90°	9.4	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°	4106.1	46.6
0°-40°	6329.1	71.8
0°-60°	8536.7	96.9
0°-90°	8813.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8813.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5436	
5°	5413	513
15°	5173	1457
25°	4671	2136
35°	3597	2223
45°	1987	1538
55°	720	670
65°	194	205
75°	57	62
85°	12	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5435.5
2.5°	5447.0
5°	5413.0
7.5°	5367.4
10°	5309.9
12.5°	5252.9
15°	5173.2
17.5°	5070.2
20°	4956.1
22.5°	4830.4
25°	4670.8
27.5°	4465.1
30°	4202.4
32.5°	3928.2
35°	3597.3
37.5°	3231.9
40°	2809.1
42.5°	2386.7
45°	1986.9
47.5°	1610.0
50°	1279.1
52.5°	970.9
55°	719.6
57.5°	514.0
60°	353.9
62.5°	262.7
65°	194.2
67.5°	148.6
70°	102.6
72.5°	80.0
75°	57.1
77.5°	34.1
80°	23.0
82.5°	11.5
85°	11.5
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)