

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: P583008

Luminaire Tested: **LX6C75D010 EU6759027 6LBHYLI**

Issue Date: 8/31/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P583008  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2301-896-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/31/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX6C75D010 EU6759027 6LBHYLI  
Description: 6 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LCHYP TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

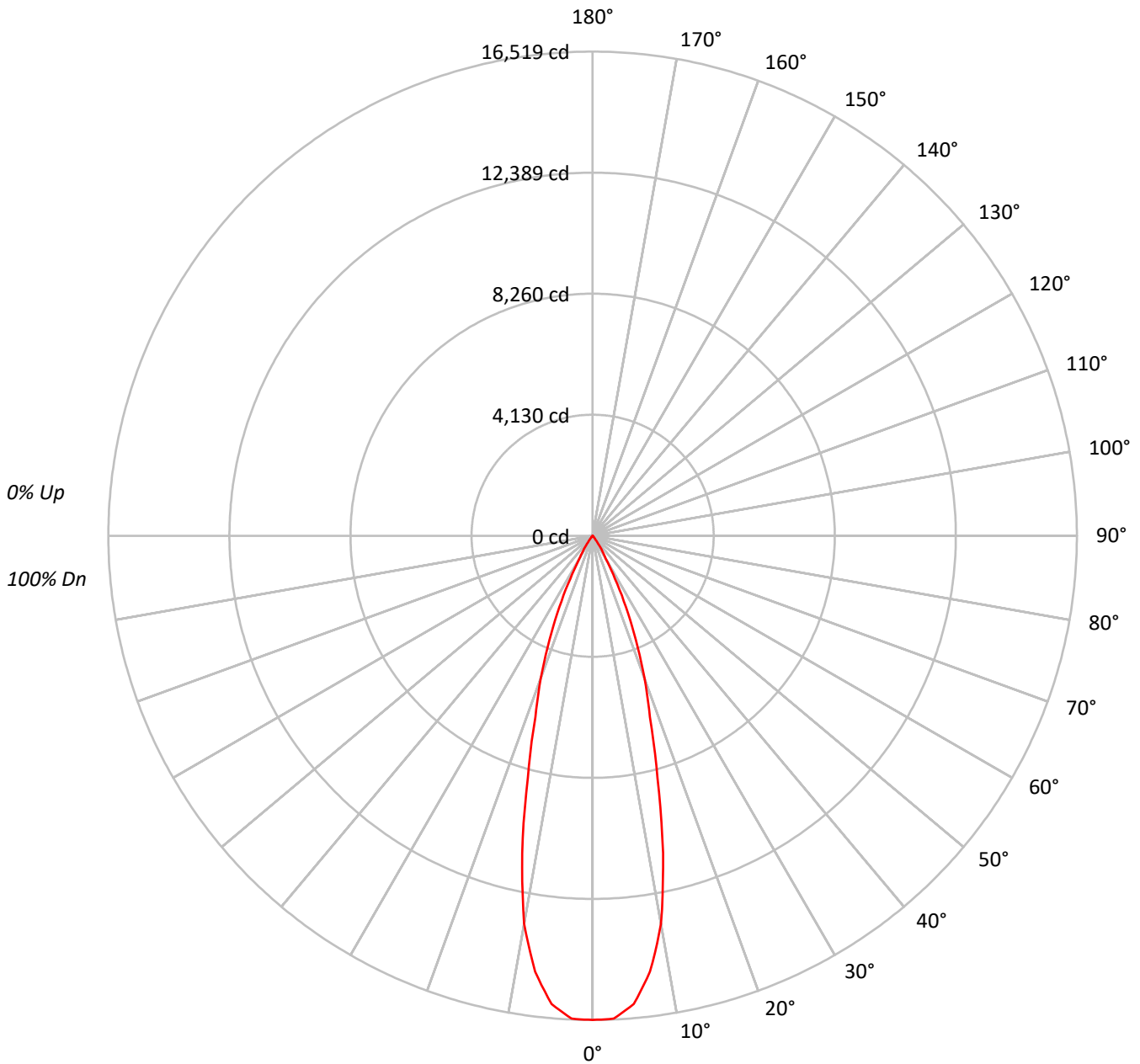
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5340.0 lumens  
Efficiency: N/A  
Efficacy: 65.5 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.52  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 81.5  
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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85			
5	100	94	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79			
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	76			
8	91	83	79	76	90	83	79	76	82	78	75	81	78	75	80	77	75	74			
9	88	81	76	73	87	80	76	73	79	76	73	79	75	73	78	75	72	71			
10	85	78	74	71	84	78	73	71	77	73	70	76	73	70	76	72	70	69			

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

	0°
0°	905580
5°	882713
10°	748377
15°	485065
20°	301236
25°	162130
30°	55724
35°	22446
40°	5997
45°	2675
50°	1049
55°	468
60°	274
65°	324
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1446.8	27.1
10°-20°	2386.2	44.7
20°-30°	1237.2	23.2
30°-40°	234.3	4.4
40°-50°	29.6	0.6
50°-60°	4.4	0.1
60°-70°	1.5	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	5070.3	94.9
0°-40°	5304.6	99.3
0°-60°	5338.5	100.0
0°-90°	5340.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5340.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	16519	
5°	16041	###
15°	8547	2386
25°	2680	1237
35°	335	234
45°	34	30
55°	5	4
65°	2	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	16519.1
2.5°	16492.0
5°	16040.7
7.5°	15005.1
10°	13444.1
12.5°	11094.1
15°	8546.8
17.5°	6490.3
20°	5163.6
22.5°	3849.3
25°	2680.4
27.5°	1647.2
30°	880.3
32.5°	594.3
35°	335.4
37.5°	145.5
40°	83.8
42.5°	54.3
45°	34.5
47.5°	19.7
50°	12.3
52.5°	4.9
55°	4.9
57.5°	2.5
60°	2.5
62.5°	2.5
65°	2.5
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670246072 / DESKTOP-50001EG







— 0°-180°







(END OF REPORT)