

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: P582977

Luminaire Tested: **LX6C40D010 EU6409050 6LBHYLI**

Issue Date: 8/31/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P582977  
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: LX6C40D010 EU6409050 6LBHYLI  
Description: 6 INCH 4000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LCHYP TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

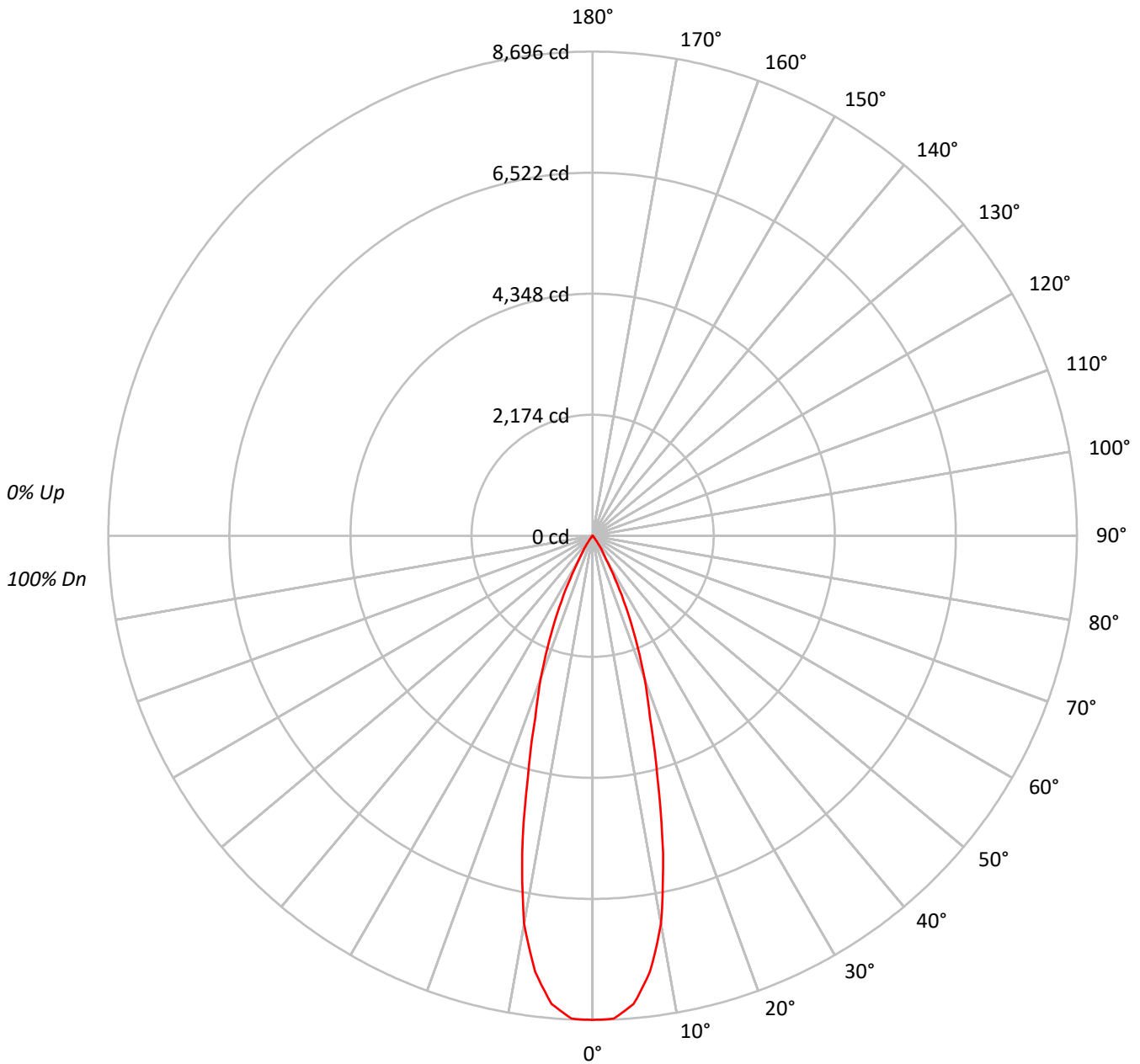
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2811.0 lumens  
Efficiency: N/A  
Efficacy: 59.8 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): 47  
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

TEST NUMBER: P582977

CATALOG NUMBER: LX6C40D010 EU6409050 6LBHYLI

### Luminous Intensity Polar Plot





TEST NUMBER: P582977

CATALOG NUMBER: LX6C40D010 EU6409050 6LBHYLI

**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°	476700
5°	464664
10°	393953
15°	255342
20°	158575
25°	85348
30°	29334
35°	11812
40°	3156
45°	1411
50°	554
55°	248
60°	143
65°	169
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P582977

CATALOG NUMBER: LX6C40D010 EU6409050 6LBHYLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	761.6	27.1
10°-20°	1256.1	44.7
20°-30°	651.3	23.2
30°-40°	123.3	4.4
40°-50°	15.6	0.6
50°-60°	2.3	0.1
60°-70°	0.8	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°	2669.0	94.9
0°-40°	2792.3	99.3
0°-60°	2810.2	100.0
0°-90°	2811.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2811.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8696	
5°	8444	762
15°	4499	1256
25°	1411	651
35°	176	123
45°	18	16
55°	3	2
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P582977

CATALOG NUMBER: LX6C40D010 EU6409050 6LBHYLI

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8695.7
2.5°	8681.5
5°	8443.9
7.5°	7898.7
10°	7077.1
12.5°	5840.0
15°	4499.1
17.5°	3416.5
20°	2718.2
22.5°	2026.3
25°	1411.0
27.5°	867.1
30°	463.4
32.5°	312.8
35°	176.5
37.5°	76.6
40°	44.1
42.5°	28.6
45°	18.2
47.5°	10.4
50°	6.5
52.5°	2.6
55°	2.6
57.5°	1.3
60°	1.3
62.5°	1.3
65°	1.3
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)