

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: P583013

Luminaire Tested: **LX6C80D010 EU6809027 6LBHYLI**

Issue Date: 8/31/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P583013  
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: LX6C80D010 EU6809027 6LBHYLI  
Description: 6 INCH 8000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS  
AND 6LCHYP TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

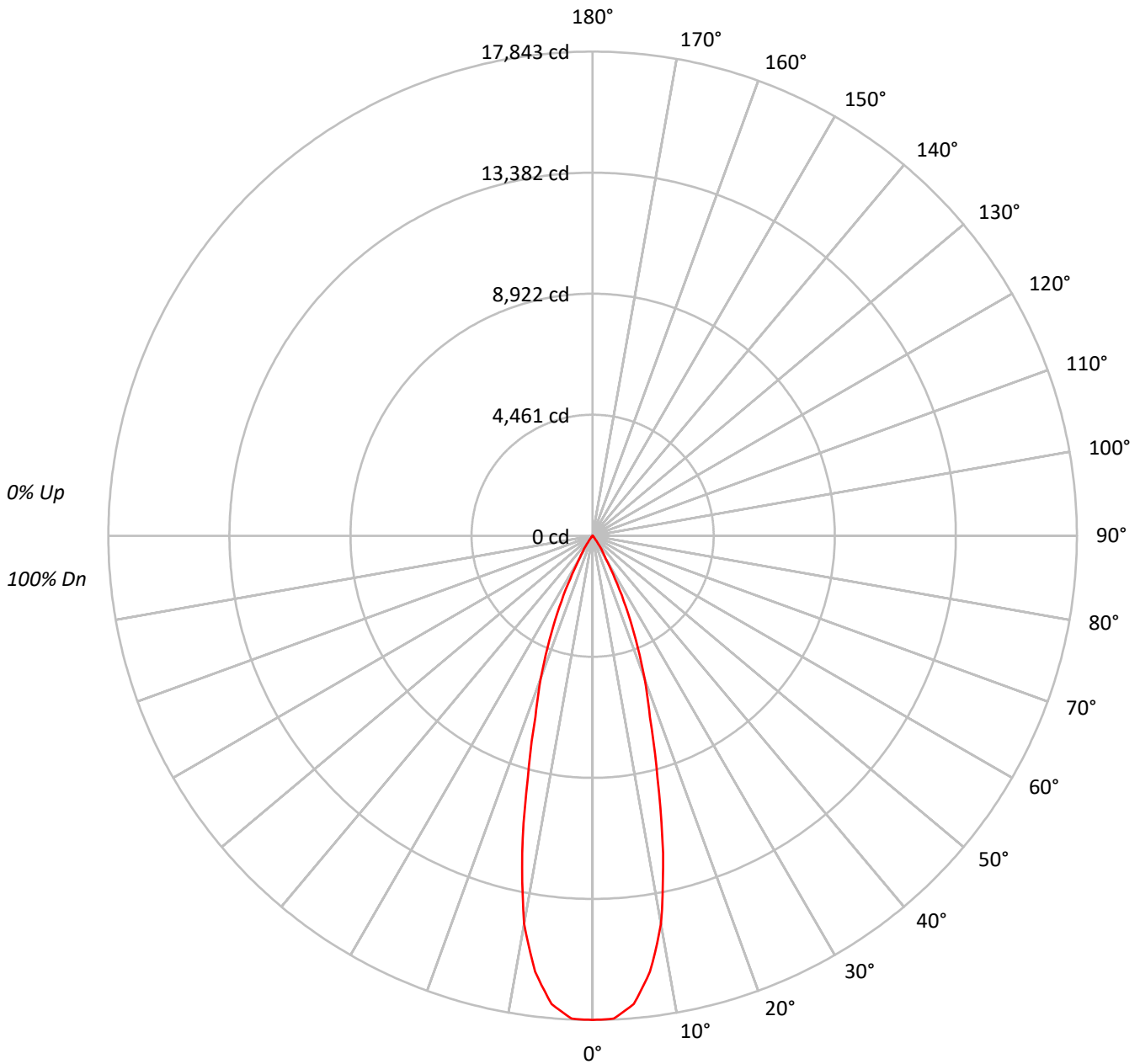
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5768.0 lumens  
Efficiency: N/A  
Efficacy: 64.4 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): 89.5  
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

TEST NUMBER: P583013

CATALOG NUMBER: LX6C80D010 EU6809027 6LBHYLI

### Luminous Intensity Polar Plot





TEST NUMBER: P583013

CATALOG NUMBER: LX6C80D010 EU6809027 6LBHYLI

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20																	
RC	80									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	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°	978162
5°	953464
10°	808363
15°	523947
20°	325382
25°	175129
30°	60193
35°	24240
40°	6484
45°	2892
50°	1134
55°	507
60°	296
65°	350
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P583013

CATALOG NUMBER: LX6C80D010 EU6809027 6LBHYLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1562.8	27.1
10°-20°	2577.5	44.7
20°-30°	1336.4	23.2
30°-40°	253.1	4.4
40°-50°	31.9	0.6
50°-60°	4.7	0.1
60°-70°	1.7	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°	5476.7	94.9
0°-40°	5729.7	99.3
0°-60°	5766.4	100.0
0°-90°	5768.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5768.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	17843	
5°	17326	###
15°	9232	2578
25°	2895	1336
35°	362	253
45°	37	32
55°	5	5
65°	3	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P583013

CATALOG NUMBER: LX6C80D010 EU6809027 6LBHYLI

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	17843.1
2.5°	17813.8
5°	17326.4
7.5°	16207.7
10°	14521.7
12.5°	11983.3
15°	9231.9
17.5°	7010.5
20°	5577.5
22.5°	4157.8
25°	2895.3
27.5°	1779.3
30°	950.9
32.5°	641.9
35°	362.2
37.5°	157.1
40°	90.6
42.5°	58.6
45°	37.3
47.5°	21.3
50°	13.3
52.5°	5.3
55°	5.3
57.5°	2.7
60°	2.7
62.5°	2.7
65°	2.7
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)