

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: P582992

Luminaire Tested: **LX6C55D010 EU6559050 6LBHYLI**

Issue Date: 8/31/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P582992  
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: LX6C55D010 EU6559050 6LBHYLI  
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS  
AND 6LCHYP TRIM WITH LI FINISH  
Light Source: -  
Ballast/Driver: -

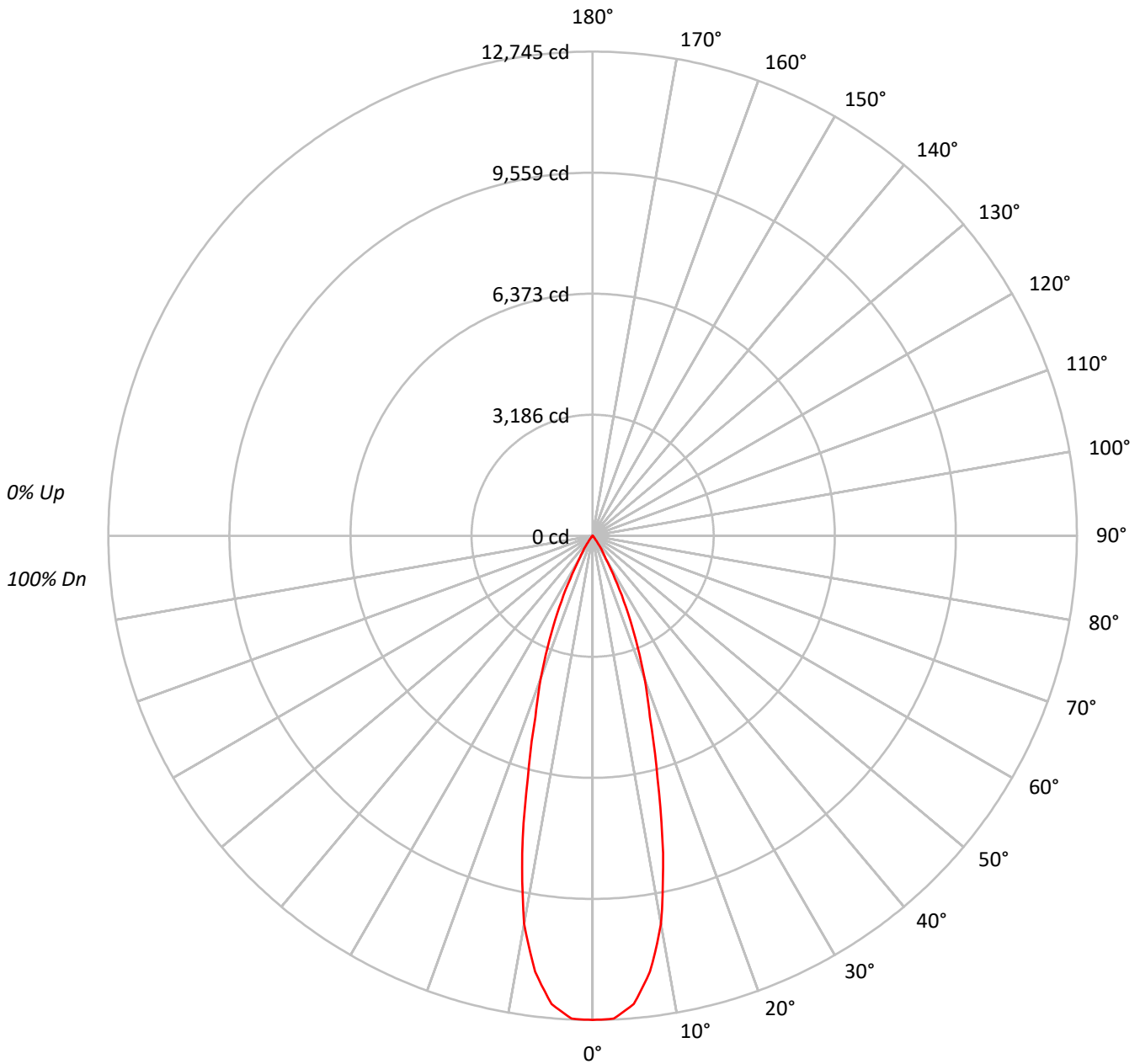
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4120.0 lumens  
Efficiency: N/A  
Efficacy: 64.5 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): 63.9  
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: P582992

CATALOG NUMBER: LX6C55D010 EU6559050 6LBHYLI

### Luminous Intensity Polar Plot





TEST NUMBER: P582992

CATALOG NUMBER: LX6C55D010 EU6559050 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
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°	698689
5°	681046
10°	577400
15°	374247
20°	232414
25°	125094
30°	42994
35°	17313
40°	4630
45°	2062
50°	810
55°	363
60°	208
65°	246
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P582992

CATALOG NUMBER: LX6C55D010 EU6559050 6LBHYLI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1116.3	27.1
10°-20°	1841.1	44.7
20°-30°	954.6	23.2
30°-40°	180.8	4.4
40°-50°	22.8	0.6
50°-60°	3.4	0.1
60°-70°	1.2	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°	3911.9	94.9
0°-40°	4092.7	99.3
0°-60°	4118.8	100.0
0°-90°	4120.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4120.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	12745	
5°	12376	###
15°	6594	1841
25°	2068	955
35°	259	181
45°	27	23
55°	4	3
65°	2	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P582992

CATALOG NUMBER: LX6C55D010 EU6559050 6LBHYLI

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	12745.1
2.5°	12724.2
5°	12376.0
7.5°	11576.9
10°	10372.6
12.5°	8559.5
15°	6594.2
17.5°	5007.5
20°	3983.9
22.5°	2969.9
25°	2068.1
27.5°	1270.9
30°	679.2
32.5°	458.5
35°	258.7
37.5°	112.2
40°	64.7
42.5°	41.9
45°	26.6
47.5°	15.2
50°	9.5
52.5°	3.8
55°	3.8
57.5°	1.9
60°	1.9
62.5°	1.9
65°	1.9
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)