

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: P582988

Luminaire Tested: **LX6C55D010 EU6559027 6LBHYLI**

Issue Date: 8/31/2023



Test Information

Test Method: LM-79-08
Report Number: P582988
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 EU6559027 6LBHYLI
Description: 6 INCH 5500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LCHYP TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

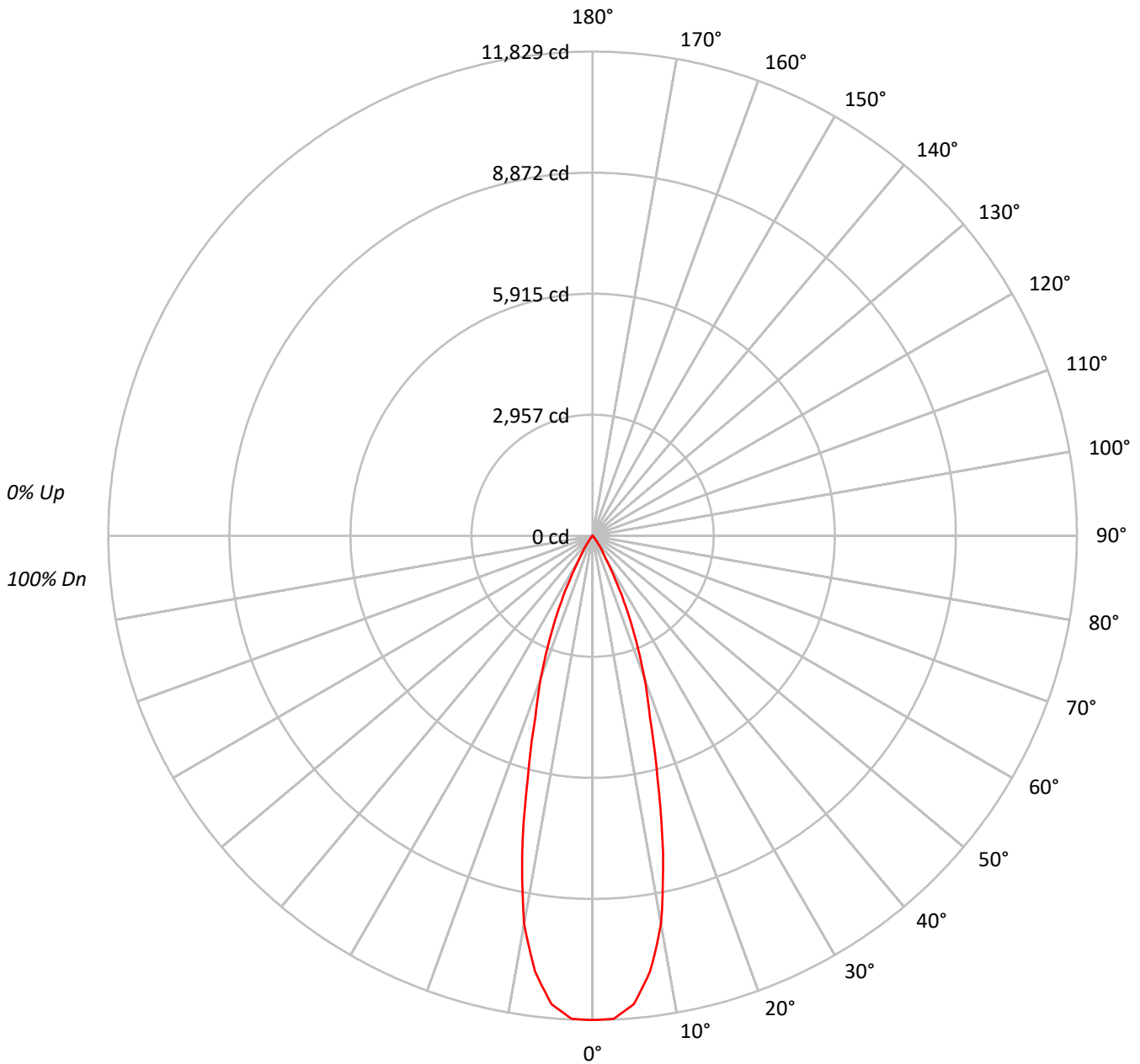
Lumens per Lamp: N/A
Luminaire Lumens: 3824.0 lumens
Efficiency: N/A
Efficacy: 59.8 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.52
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
Input Voltage (V):
Input Current (A_{in}): 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: P582988

CATALOG NUMBER: LX6C55D010 EU6559027 6LBHYLI

Luminous Intensity Polar Plot





TEST NUMBER: P582988

CATALOG NUMBER: LX6C55D010 EU6559027 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°	648490
5°	632119
10°	535917
15°	347357
20°	215718
25°	116105
30°	39905
35°	16075
40°	4294
45°	1915
50°	751
55°	335
60°	197
65°	233
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P582988

CATALOG NUMBER: LX6C55D010 EU6559027 6LBHYLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1036.1	27.1
10°-20°	1708.8	44.7
20°-30°	886.0	23.2
30°-40°	167.8	4.4
40°-50°	21.1	0.6
50°-60°	3.1	0.1
60°-70°	1.1	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°	3630.8	94.9
0°-40°	3798.6	99.3
0°-60°	3822.9	100.0
0°-90°	3824.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3824.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11829	
5°	11487	###
15°	6120	1709
25°	1920	886
35°	240	168
45°	25	21
55°	4	3
65°	2	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P582988

CATALOG NUMBER: LX6C55D010 EU6559027 6LBHYLI

CANDELA DISTRIBUTION (FULL):

0°	
0°	11829.4
2.5°	11810.0
5°	11486.9
7.5°	10745.2
10°	9627.4
12.5°	7944.6
15°	6120.4
17.5°	4647.7
20°	3697.7
22.5°	2756.5
25°	1919.5
27.5°	1179.6
30°	630.4
32.5°	425.6
35°	240.2
37.5°	104.2
40°	60.0
42.5°	38.8
45°	24.7
47.5°	14.1
50°	8.8
52.5°	3.5
55°	3.5
57.5°	1.8
60°	1.8
62.5°	1.8
65°	1.8
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)