

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: P582987

Luminaire Tested: **LX6C50D010 EU6509050 6LBHYLI**

Issue Date: 8/31/2023

Test Information

Test Method: LM-79-08
Report Number: P582987
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: LX6C50D010 EU6509050 6LBHYLI
Description: 6 INCH 5000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LCHYP TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

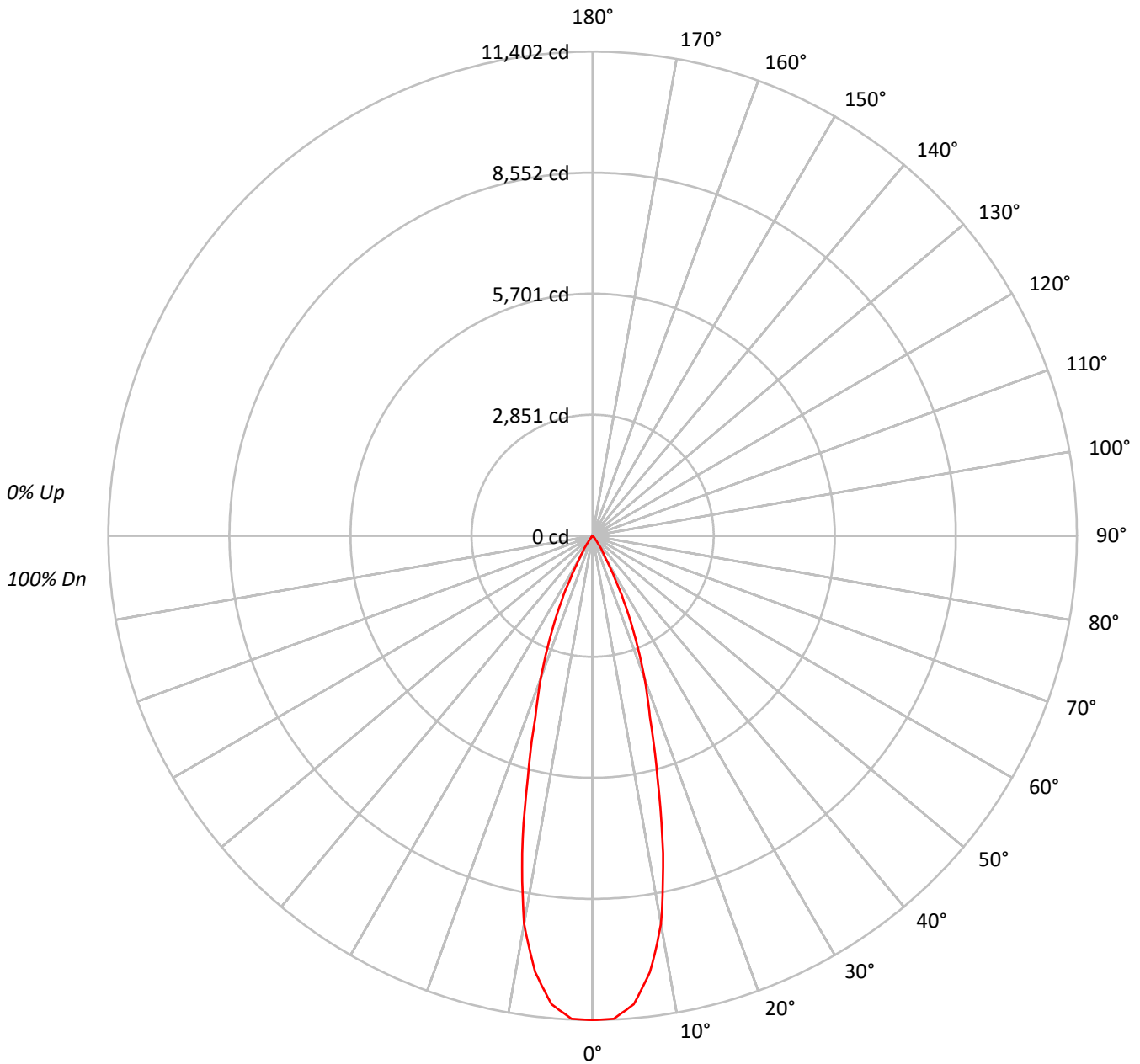
Lumens per Lamp: N/A
Luminaire Lumens: 3686.0 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.52
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 58.4
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: P582987

CATALOG NUMBER: LX6C50D010 EU6509050 6LBHYLI

Luminous Intensity Polar Plot





TEST NUMBER: P582987

CATALOG NUMBER: LX6C50D010 EU6509050 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°	625087
5°	609304
10°	516579
15°	334826
20°	207930
25°	111914
30°	38468
35°	15493
40°	4143
45°	1845
50°	725
55°	325
60°	186
65°	221
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P582987

CATALOG NUMBER: LX6C50D010 EU6509050 6LBHYLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	998.7	27.1
10°-20°	1647.1	44.7
20°-30°	854.0	23.2
30°-40°	161.7	4.4
40°-50°	20.4	0.6
50°-60°	3.0	0.1
60°-70°	1.0	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°	3499.8	94.9
0°-40°	3661.5	99.3
0°-60°	3684.9	100.0
0°-90°	3686.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3686.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11402	
5°	11072	999
15°	5900	1647
25°	1850	854
35°	232	162
45°	24	20
55°	3	3
65°	2	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P582987

CATALOG NUMBER: LX6C50D010 EU6509050 6LBHYLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	11402.5
2.5°	11383.8
5°	11072.3
7.5°	10357.4
10°	9280.0
12.5°	7657.9
15°	5899.6
17.5°	4480.0
20°	3564.2
22.5°	2657.0
25°	1850.2
27.5°	1137.0
30°	607.7
32.5°	410.2
35°	231.5
37.5°	100.4
40°	57.9
42.5°	37.4
45°	23.8
47.5°	13.6
50°	8.5
52.5°	3.4
55°	3.4
57.5°	1.7
60°	1.7
62.5°	1.7
65°	1.7
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)