

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: P582981

Luminaire Tested: **LX6C45D010 EU6459040 6LBHYLI**

Issue Date: 8/31/2023



Test Information

Test Method: LM-79-08
Report Number: P582981
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: LX6C45D010 EU6459040 6LBHYLI
Description: 6 INCH 4500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LCHYP TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

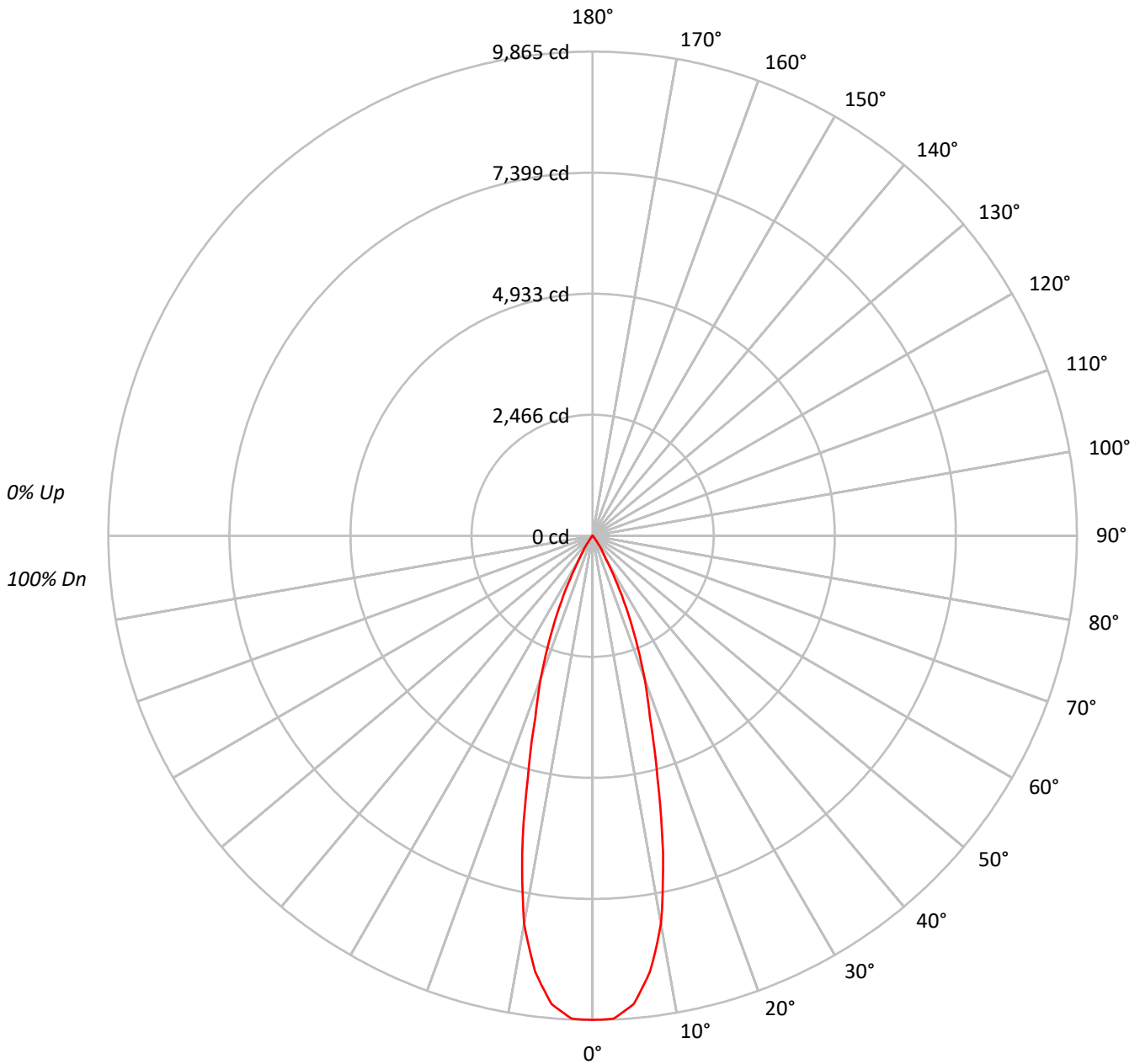
Lumens per Lamp: N/A
Luminaire Lumens: 3189.0 lumens
Efficiency: N/A
Efficacy: 64.3 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.52
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 49.6
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: P582981

CATALOG NUMBER: LX6C45D010 EU6459040 6LBHYLI

Luminous Intensity Polar Plot





TEST NUMBER: P582981

CATALOG NUMBER: LX6C45D010 EU6459040 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°	540806
5°	527150
10°	446924
15°	289678
20°	179898
25°	96822
30°	33277
35°	13405
40°	3585
45°	1597
50°	631
55°	277
60°	164
65°	195
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P582981

CATALOG NUMBER: LX6C45D010 EU6459040 6LBHYLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	864.0	27.1
10°-20°	1425.0	44.7
20°-30°	738.8	23.2
30°-40°	139.9	4.4
40°-50°	17.7	0.6
50°-60°	2.6	0.1
60°-70°	0.9	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°	3027.9	94.9
0°-40°	3167.8	99.3
0°-60°	3188.1	100.0
0°-90°	3189.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3189.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9865	
5°	9579	864
15°	5104	1425
25°	1601	739
35°	200	140
45°	21	18
55°	3	3
65°	2	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P582981

CATALOG NUMBER: LX6C45D010 EU6459040 6LBHYLI

CANDELA DISTRIBUTION (FULL):

	0°
0°	9865.1
2.5°	9848.9
5°	9579.4
7.5°	8960.9
10°	8028.7
12.5°	6625.3
15°	5104.1
17.5°	3875.9
20°	3083.7
22.5°	2298.8
25°	1600.7
27.5°	983.7
30°	525.7
32.5°	354.9
35°	200.3
37.5°	86.9
40°	50.1
42.5°	32.4
45°	20.6
47.5°	11.8
50°	7.4
52.5°	2.9
55°	2.9
57.5°	1.5
60°	1.5
62.5°	1.5
65°	1.5
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)