

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P789359

Luminaire Tested: LER6D10D010-EC6DR700210IC9040-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P789359
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D10D010-EC6DR700210IC9040-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1155.8 lumens
Efficiency: N/A
Efficacy: 98.8 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
Input Voltage (V): NR
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: 24 FT

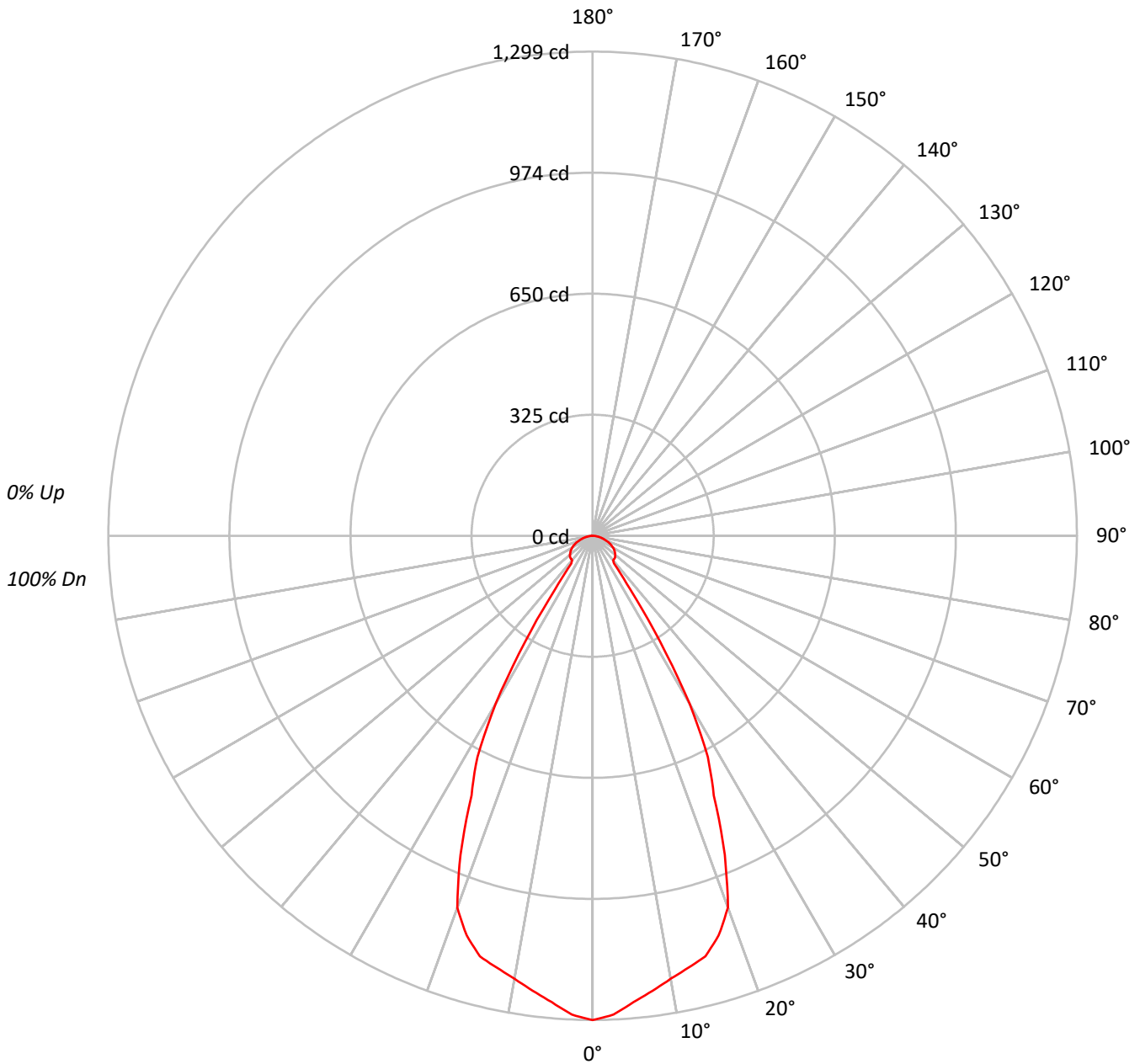


Downlight

TEST NUMBER: P789359

CATALOG NUMBER: LER6D10D010-EC6DR700210IC9040-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P789359

CATALOG NUMBER: LER6D10D010-EC6DR700210IC9040-6LBDP1B

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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	141973
5°	137756
10°	133912
15°	132164
20°	123412
25°	92707
30°	65542
35°	23222
40°	12209
45°	12995
50°	13462
55°	13715
60°	13811
65°	13521
70°	12746
75°	11820
80°	10508
85°	8525

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 13811 cd/sqm



TEST NUMBER: P789359

CATALOG NUMBER: LER6D10D010-EC6DR700210IC9040-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.5	10.2
10°-20°	325.0	28.1
20°-30°	357.9	31.0
30°-40°	136.8	11.8
40°-50°	64.6	5.6
50°-60°	64.2	5.6
60°-70°	51.4	4.4
70°-80°	29.5	2.6
80°-90°	8.0	0.7
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°	801.3	69.3
0°-40°	938.1	81.2
0°-60°	1066.8	92.3
0°-90°	1155.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1155.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1299	
5°	1256	118
15°	1168	325
25°	769	358
35°	174	137
45°	84	65
55°	72	64
65°	52	51
75°	28	30
85°	7	8
90°	0	



TEST NUMBER: P789359

CATALOG NUMBER: LER6D10D010-EC6DR700210IC9040-6LBDP1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	1299.4
2.5°	1285.8
5°	1256.0
7.5°	1231.1
10°	1207.0
12.5°	1186.7
15°	1168.4
17.5°	1124.1
20°	1061.4
22.5°	926.0
25°	769.0
27.5°	669.5
30°	519.5
32.5°	335.6
35°	174.1
37.5°	94.0
40°	85.6
42.5°	85.0
45°	84.1
47.5°	82.3
50°	79.2
52.5°	75.7
55°	72.0
57.5°	67.9
60°	63.2
62.5°	57.8
65°	52.3
67.5°	46.1
70°	39.9
72.5°	33.7
75°	28.0
77.5°	22.0
80°	16.7
82.5°	11.7
85°	6.8
87.5°	2.7
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)