

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: P793649

Luminaire Tested: LER6D50D010-EC6DR7040509030-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P793649
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: LER6D50D010-EC6DR7040509030-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6103.9 lumens
Efficiency: N/A
Efficacy: 129.9 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): 47
Input Voltage (V): NR
Input Current (Ain): 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

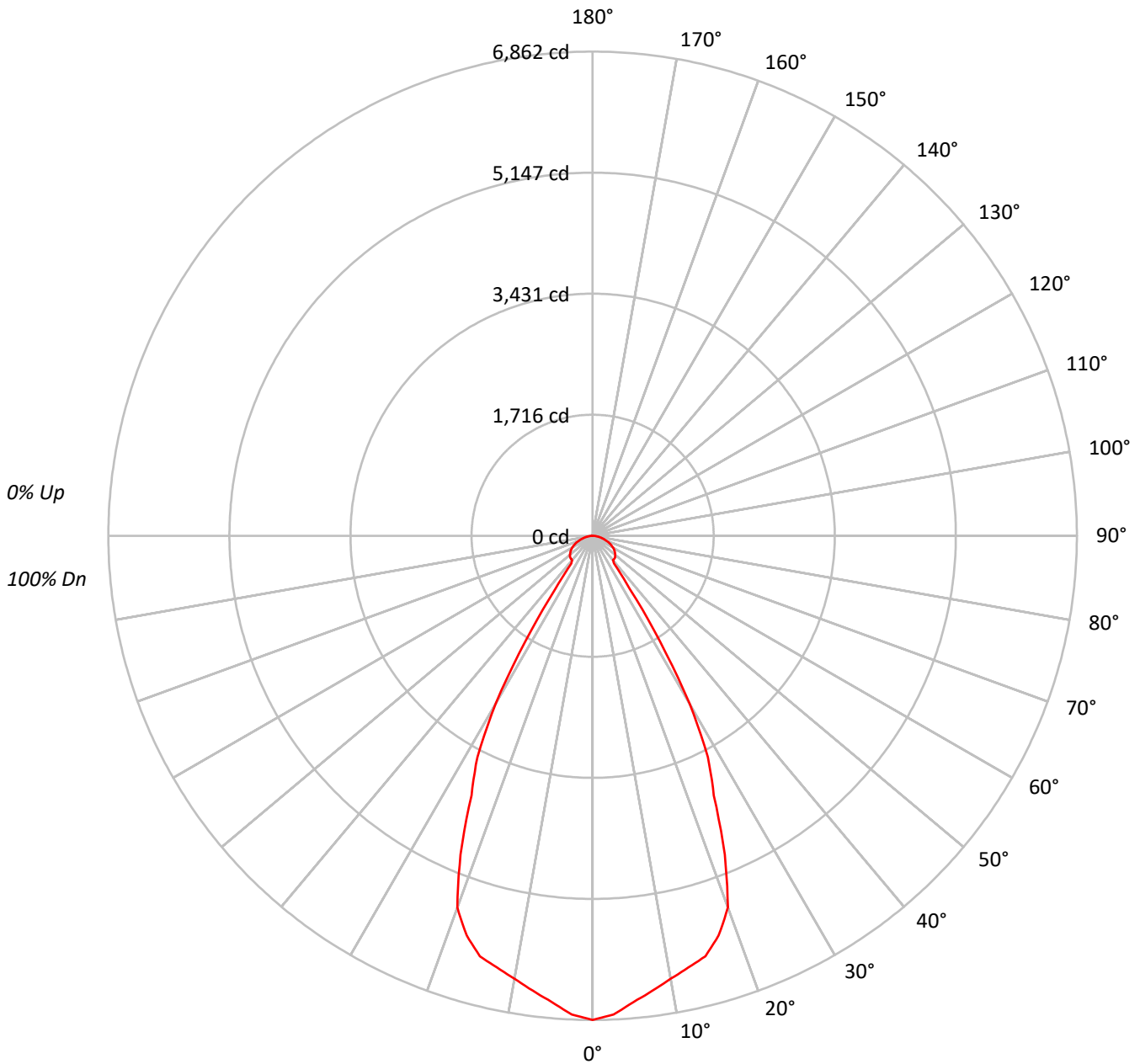


Downlight

TEST NUMBER: P793649

CATALOG NUMBER: LER6D50D010-EC6DR7040509030-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P793649

CATALOG NUMBER: LER6D50D010-EC6DR7040509030-6LBDP1LI

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°	749802
5°	727517
10°	707238
15°	697965
20°	651756
25°	489626
30°	346129
35°	122605
40°	64469
45°	68668
50°	71102
55°	72443
60°	72899
65°	71355
70°	67342
75°	62394
80°	55370
85°	45005

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 72922 cd/sqm



TEST NUMBER: P793649

CATALOG NUMBER: LER6D50D010-EC6DR7040509030-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	625.7	10.3
10°-20°	1716.2	28.1
20°-30°	1890.1	31.0
30°-40°	722.1	11.8
40°-50°	341.0	5.6
50°-60°	339.0	5.6
60°-70°	271.4	4.4
70°-80°	156.0	2.6
80°-90°	42.4	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°	4231.9	69.3
0°-40°	4954.0	81.2
0°-60°	5634.0	92.3
0°-90°	6103.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6103.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6862	
5°	6633	626
15°	6170	1716
25°	4061	1890
35°	919	722
45°	444	341
55°	380	339
65°	276	271
75°	148	156
85°	36	42
90°	0	



TEST NUMBER: P793649

CATALOG NUMBER: LER6D50D010-EC6DR7040509030-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	6862.5
2.5°	6790.8
5°	6633.2
7.5°	6501.8
10°	6374.6
12.5°	6267.1
15°	6170.4
17.5°	5936.8
20°	5605.4
22.5°	4890.4
25°	4061.4
27.5°	3535.5
30°	2743.5
32.5°	1772.1
35°	919.2
37.5°	496.5
40°	452.0
42.5°	448.7
45°	444.4
47.5°	434.6
50°	418.3
52.5°	399.8
55°	380.3
57.5°	358.6
60°	333.6
62.5°	305.3
65°	276.0
67.5°	243.4
70°	210.8
72.5°	178.2
75°	147.8
77.5°	116.3
80°	88.0
82.5°	61.9
85°	35.9
87.5°	14.1
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)