

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: P793613

Luminaire Tested: LER6D50D010-EC6DR6540509035-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P793613
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D50D010-EC6DR6540509035-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5636.3 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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

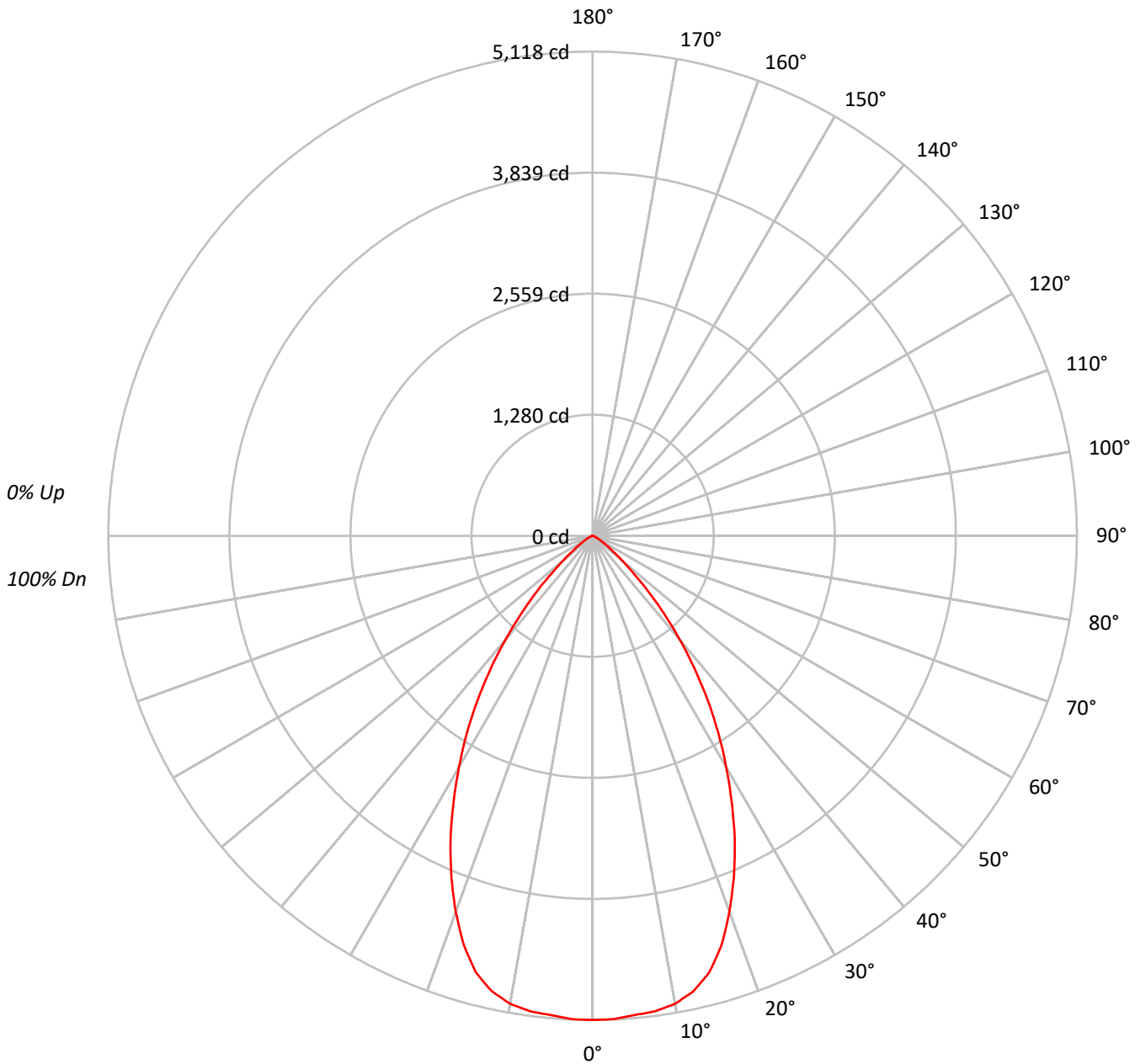


Downlight

TEST NUMBER: P793613

CATALOG NUMBER: LER6D50D010-EC6DR6540509035-6LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P793613

CATALOG NUMBER: LER6D50D010-EC6DR6540509035-6LBS1LI

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				100															
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93				93															
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85				85															
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78				78															
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72				72															
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66				66															
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61				61															
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56				56															
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52				52															
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49				49															
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46				46															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	298882
5°	298130
10°	297876
15°	288692
20°	262823
25°	229032
30°	190488
35°	150938
40°	108941
45°	68819
50°	35872
55°	19072
60°	10010
65°	5514
70°	2305
75°	2550
80°	1783
85°	1541

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 68819 cd/sqm



TEST NUMBER: P793613

CATALOG NUMBER: LER6D50D010-EC6DR6540509035-6LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	484.0	8.6
10°-20°	1325.3	23.5
20°-30°	1619.9	28.7
30°-40°	1314.4	23.3
40°-50°	655.0	11.6
50°-60°	182.7	3.2
60°-70°	41.5	0.7
70°-80°	10.8	0.2
80°-90°	2.8	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°	3429.1	60.8
0°-40°	4743.5	84.2
0°-60°	5581.2	99.0
0°-90°	5636.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5636.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5118	
5°	5085	484
15°	4775	1325
25°	3554	1620
35°	2117	1314
45°	833	655
55°	187	183
65°	40	42
75°	11	11
85°	2	3
90°	0	



TEST NUMBER: P793613

CATALOG NUMBER: LER6D50D010-EC6DR6540509035-6LBS1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	5117.5
2.5°	5113.8
5°	5085.2
7.5°	5068.7
10°	5022.8
12.5°	4929.5
15°	4774.6
17.5°	4532.5
20°	4228.7
22.5°	3900.8
25°	3554.1
27.5°	3183.3
30°	2824.6
32.5°	2470.4
35°	2117.0
37.5°	1764.3
40°	1428.9
42.5°	1114.5
45°	833.2
47.5°	580.6
50°	394.8
52.5°	272.2
55°	187.3
57.5°	126.3
60°	85.7
62.5°	59.4
65°	39.9
67.5°	20.3
70°	13.5
72.5°	12.8
75°	11.3
77.5°	7.5
80°	5.3
82.5°	3.8
85°	2.3
87.5°	1.5
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)