

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: P793626

Luminaire Tested: LER6D50D010-EC6DR6540509050-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P793626
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D50D010-EC6DR6540509050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4638.3 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' 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

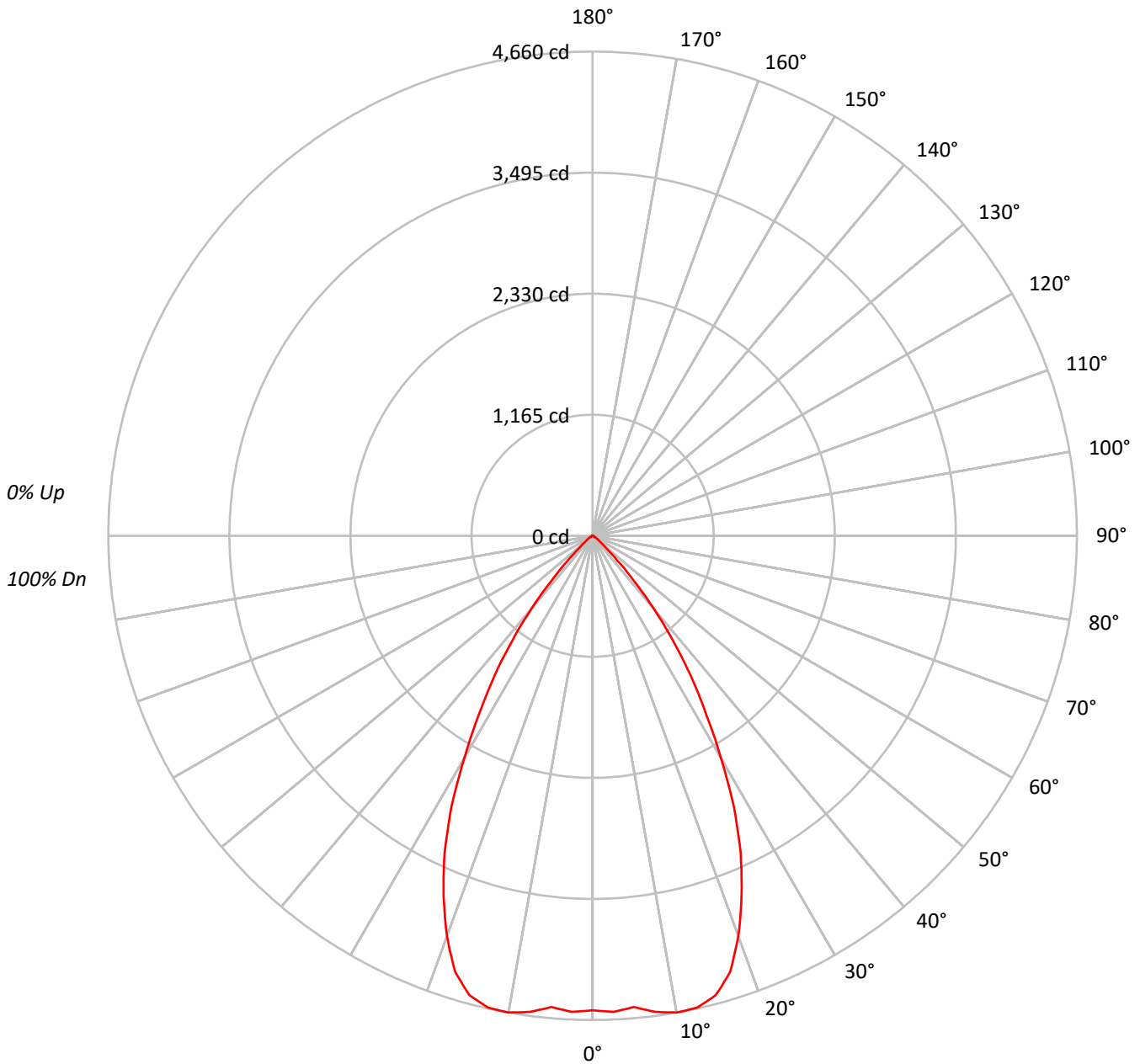


Downlight

TEST NUMBER: P793626

CATALOG NUMBER: LER6D50D010-EC6DR6540509050-6LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P793626

CATALOG NUMBER: LER6D50D010-EC6DR6540509050-6LBDP1MW

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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	498972
5°	499386
10°	516965
15°	517818
20°	476742
25°	406201
30°	310968
35°	219695
40°	129679
45°	52644
50°	19089
55°	10629
60°	6097
65°	3361
70°	3514
75°	2744
80°	2831
85°	2382

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 52644 cd/sqm



TEST NUMBER: P793626

CATALOG NUMBER: LER6D50D010-EC6DR6540509050-6LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.7	9.5
10°-20°	1268.5	27.3
20°-30°	1521.9	32.8
30°-40°	1022.8	22.1
40°-50°	306.2	6.6
50°-60°	54.0	1.2
60°-70°	15.4	0.3
70°-80°	7.5	0.2
80°-90°	2.4	0.1
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°	3230.1	69.6
0°-40°	4252.9	91.7
0°-60°	4613.1	99.5
0°-90°	4638.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4638.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4567	
5°	4553	440
15°	4578	1268
25°	3369	1522
35°	1647	1023
45°	341	306
55°	56	54
65°	13	15
75°	6	8
85°	2	2
90°	0	



TEST NUMBER: P793626

CATALOG NUMBER: LER6D50D010-EC6DR6540509050-6LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	4566.8
2.5°	4586.3
5°	4553.2
7.5°	4622.0
10°	4659.6
12.5°	4650.5
15°	4577.8
17.5°	4400.0
20°	4100.2
22.5°	3747.1
25°	3369.4
27.5°	2943.1
30°	2464.8
32.5°	2031.3
35°	1647.1
37.5°	1267.4
40°	909.2
42.5°	593.8
45°	340.7
47.5°	180.4
50°	112.3
52.5°	77.9
55°	55.8
57.5°	40.2
60°	27.9
62.5°	18.2
65°	13.0
67.5°	11.7
70°	11.0
72.5°	8.4
75°	6.5
77.5°	5.8
80°	4.5
82.5°	3.2
85°	1.9
87.5°	1.3
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)