

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



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: P794589

Luminaire Tested: LER6D60D010-EC6DR6555659050-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794589
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: LER6D60D010-EC6DR6555659050-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7387.3 lumens
Efficiency: N/A
Efficacy: 114.7 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): 64.4
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

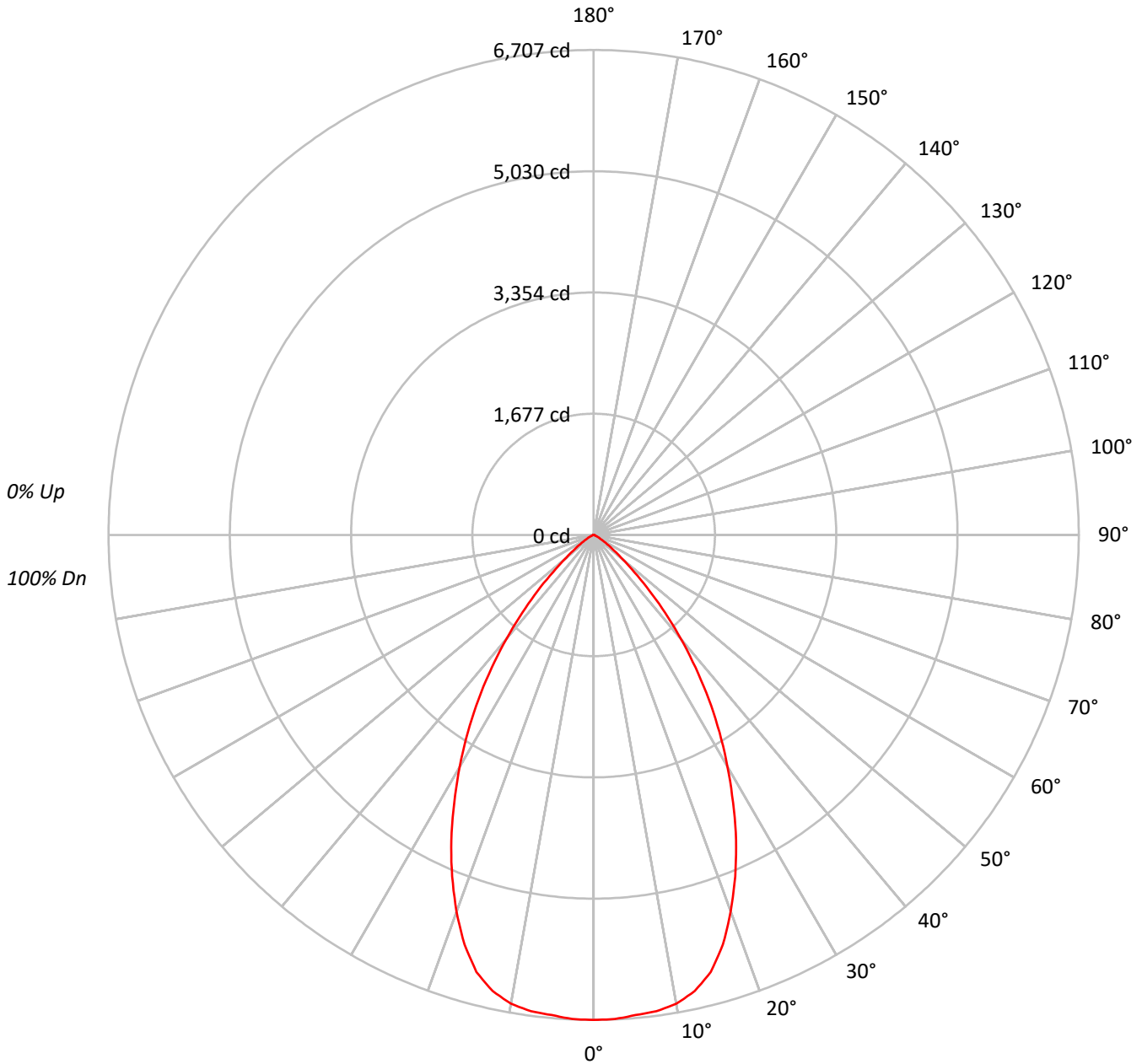


Downlight

TEST NUMBER: P794589

CATALOG NUMBER: LER6D60D010-EC6DR6555659050-6LBS1LI

Luminous Intensity Polar Plot





TEST NUMBER: P794589

CATALOG NUMBER: LER6D60D010-EC6DR6555659050-6LBS1LI

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°	391738
5°	390755
10°	390416
15°	378385
20°	344472
25°	300182
30°	249673
35°	197823
40°	142784
45°	90203
50°	47020
55°	24988
60°	13129
65°	7214
70°	3022
75°	3340
80°	2321
85°	2010

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 90203 cd/sqm



TEST NUMBER: P794589

CATALOG NUMBER: LER6D60D010-EC6DR6555659050-6LBS1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	634.3	8.6
10°-20°	1737.0	23.5
20°-30°	2123.2	28.7
30°-40°	1722.7	23.3
40°-50°	858.5	11.6
50°-60°	239.4	3.2
60°-70°	54.4	0.7
70°-80°	14.2	0.2
80°-90°	3.6	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°	4494.5	60.8
0°-40°	6217.2	84.2
0°-60°	7315.1	99.0
0°-90°	7387.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7387.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6707	
5°	6665	634
15°	6258	1737
25°	4658	2123
35°	2775	1723
45°	1092	858
55°	245	239
65°	52	54
75°	15	14
85°	3	4
90°	0	



TEST NUMBER: P794589

CATALOG NUMBER: LER6D60D010-EC6DR6555659050-6LBS1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	6707.4
2.5°	6702.5
5°	6665.1
7.5°	6643.4
10°	6583.2
12.5°	6461.0
15°	6258.0
17.5°	5940.6
20°	5542.4
22.5°	5112.6
25°	4658.2
27.5°	4172.3
30°	3702.2
32.5°	3237.9
35°	2774.6
37.5°	2312.4
40°	1872.8
42.5°	1460.8
45°	1092.1
47.5°	760.9
50°	517.5
52.5°	356.8
55°	245.4
57.5°	165.6
60°	112.4
62.5°	77.9
65°	52.2
67.5°	26.6
70°	17.7
72.5°	16.8
75°	14.8
77.5°	9.9
80°	6.9
82.5°	4.9
85°	3.0
87.5°	2.0
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)