

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: P794630

Luminaire Tested: LER6D60D010-EC6DR7055659040-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P794630
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D60D010-EC6DR7055659040-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7641.5 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04
Luminous Opening: Circular (Dia: 0.35' 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

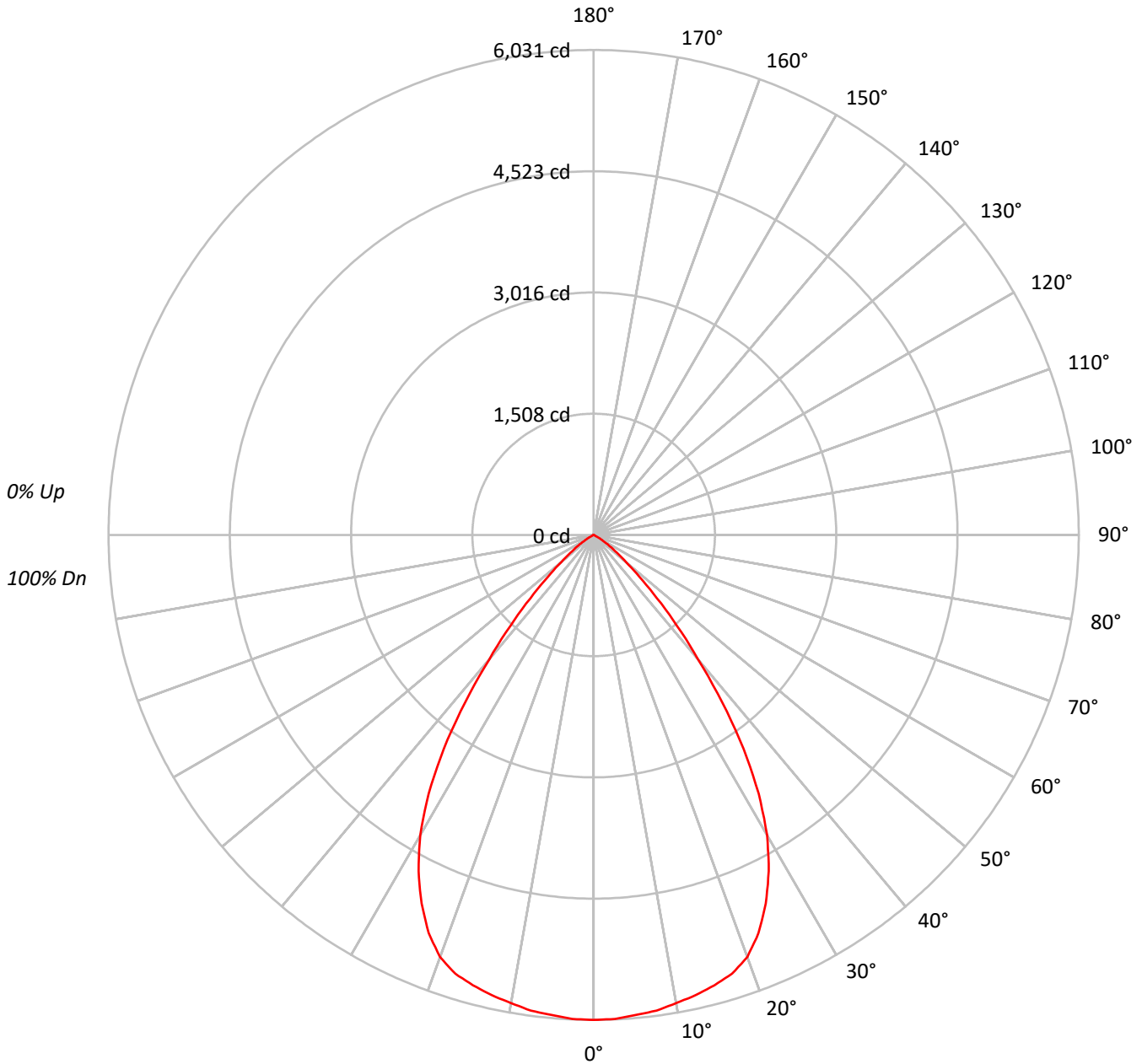


Downlight

TEST NUMBER: P794630

CATALOG NUMBER: LER6D60D010-EC6DR7055659040-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P794630

CATALOG NUMBER: LER6D60D010-EC6DR7055659040-6LBS1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20										
RC	80					70					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	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	106	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	85	82	87	84	81	85	82	79	78					78			
4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71					71			
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65					65			
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60					60			
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	61	57	56					56			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51					51			
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48					48			
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44					44			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	658984
5°	657334
10°	655914
15°	655728
20°	649314
25°	609953
30°	543777
35°	433561
40°	287884
45°	172118
50°	89222
55°	46899
60°	16586
65°	284
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 172118 cd/sqm



TEST NUMBER: P794630

CATALOG NUMBER: LER6D60D010-EC6DR7055659040-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	570.0	7.5
10°-20°	1634.7	21.4
20°-30°	2306.0	30.2
30°-40°	1990.7	26.1
40°-50°	891.5	11.7
50°-60°	233.4	3.1
60°-70°	15.2	0.2
70°-80°	0.0	0.0
80°-90°	0.0	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°	4510.7	59.0
0°-40°	6501.4	85.1
0°-60°	7626.3	99.8
0°-90°	7641.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7641.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6031	
5°	5993	570
15°	5797	1635
25°	5060	2306
35°	3250	1991
45°	1114	891
55°	246	233
65°	1	15
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P794630

CATALOG NUMBER: LER6D60D010-EC6DR7055659040-6LBS1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	6031.3
2.5°	6024.8
5°	5993.3
7.5°	5967.3
10°	5912.0
12.5°	5862.1
15°	5797.0
17.5°	5722.2
20°	5584.4
22.5°	5357.8
25°	5059.5
27.5°	4713.5
30°	4310.1
32.5°	3816.6
35°	3250.5
37.5°	2625.7
40°	2018.4
42.5°	1533.6
45°	1113.9
47.5°	767.9
50°	524.9
52.5°	362.2
55°	246.2
57.5°	148.6
60°	75.9
62.5°	23.9
65°	1.1
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)