

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: P787084

Luminaire Tested: LER6D02D010-EC6DR300210IC9027-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787084
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D02D010-EC6DR300210IC9027-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 629.8 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 5.1
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

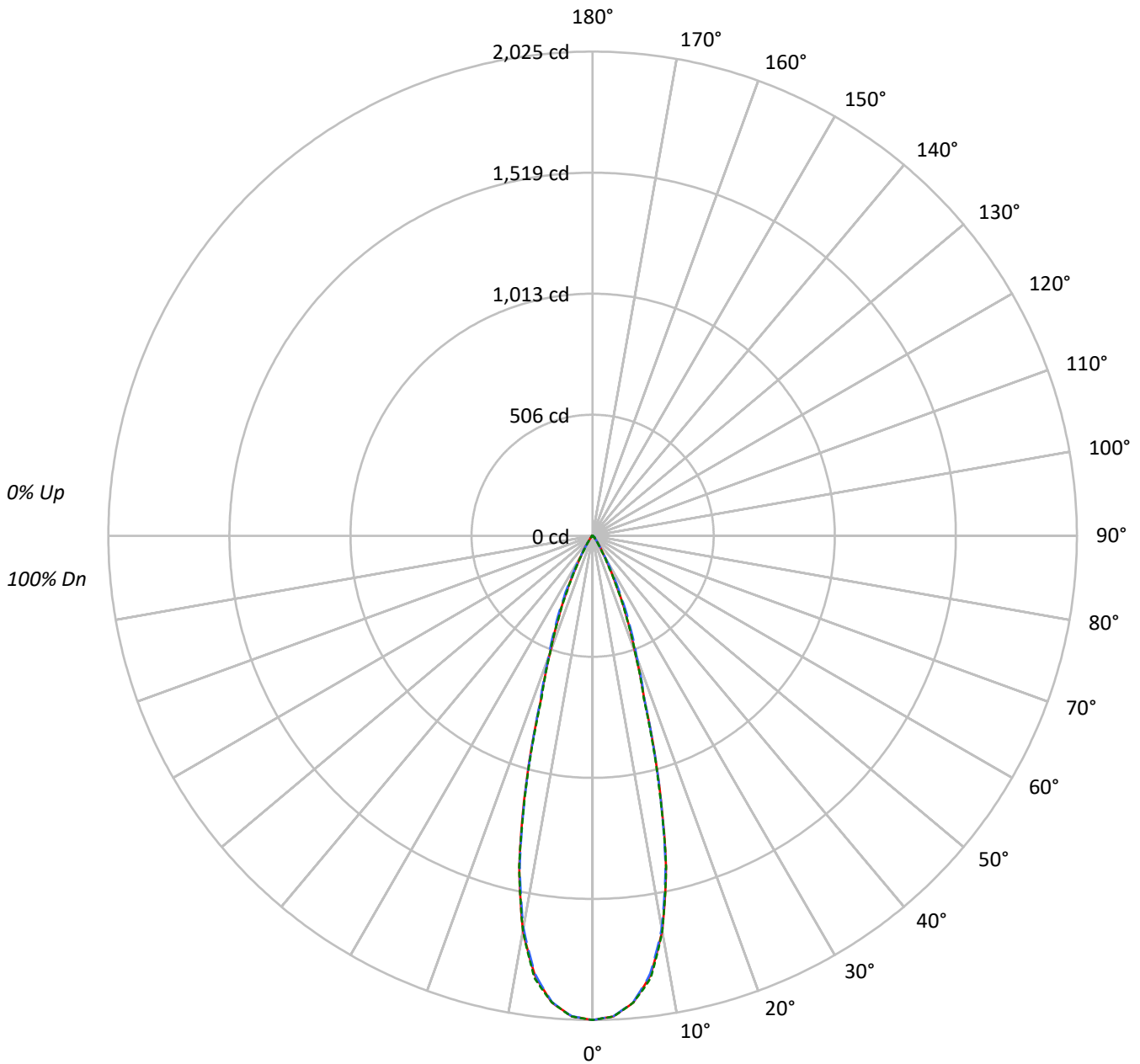


Downlight

TEST NUMBER: P787084

CATALOG NUMBER: LER6D02D010-EC6DR300210IC9027-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P787084

CATALOG NUMBER: LER6D02D010-EC6DR300210IC9027-6LBS1H

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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	155000	155000	155000
5°	150552	150375	150560
10°	130398	129481	130367
15°	85084	84624	84196
20°	42308	43897	42251
25°	21308	24028	20878
30°	8529	9298	7433
35°	3962	3794	3177
40°	1709	1898	1609
45°	1202	1494	1212
50°	417	1084	441
55°	240	454	254
60°	168	199	168
65°	109	109	109
70°	67	45	67
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 1494 cd/sqm



TEST NUMBER: P787084

CATALOG NUMBER: LER6D02D010-EC6DR300210IC9027-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.1	28.3
10°-20°	286.8	45.5
20°-30°	123.9	19.7
30°-40°	28.2	4.5
40°-50°	9.7	1.5
50°-60°	2.4	0.4
60°-70°	0.6	0.1
70°-80°	0.1	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°	588.8	93.5
0°-40°	617.0	98.0
0°-60°	629.1	99.9
0°-90°	629.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	629.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2025	2025	2025	2025	2025	
5°	1959	1958	1957	1961	1960	178
15°	1074	1061	1068	1064	1062	287
25°	252	262	284	255	247	121
35°	42	43	41	40	34	29
45°	11	14	14	14	11	8
55°	2	2	3	2	2	2
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P787084

CATALOG NUMBER: LER6D02D010-EC6DR300210IC9027-6LBS1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2025.0	2025.0	2025.0	2025.0	2025.0
2.5°	2011.6	2010.2	2011.0	2012.0	2012.4
5°	1959.4	1957.5	1957.1	1961.2	1959.5
7.5°	1854.1	1851.4	1847.3	1856.6	1865.2
10°	1677.7	1674.8	1665.9	1670.3	1677.3
12.5°	1417.4	1407.7	1407.5	1421.4	1419.5
15°	1073.7	1060.7	1067.9	1064.4	1062.5
17.5°	722.0	717.0	726.6	723.7	711.3
20°	519.4	520.7	538.9	529.7	518.7
22.5°	379.0	383.7	405.2	381.7	373.0
25°	252.3	261.9	284.5	255.2	247.2
27.5°	155.2	159.6	182.5	153.2	148.8
30°	96.5	94.4	105.2	90.3	84.1
32.5°	63.3	60.5	64.0	57.5	52.5
35°	42.4	43.2	40.6	40.3	34.0
37.5°	26.4	30.4	26.8	28.6	21.9
40°	17.1	22.1	19.0	21.0	16.1
42.5°	14.0	17.0	15.6	16.6	14.3
45°	11.1	13.8	13.8	13.8	11.2
47.5°	6.2	9.2	11.8	9.4	6.6
50°	3.5	4.7	9.1	4.9	3.7
52.5°	2.4	2.7	6.3	2.8	2.5
55°	1.8	1.9	3.4	2.0	1.9
57.5°	1.4	1.5	1.8	1.5	1.4
60°	1.1	1.1	1.3	1.2	1.1
62.5°	0.8	0.8	0.9	0.8	0.8
65°	0.6	0.6	0.6	0.6	0.6
67.5°	0.3	0.4	0.4	0.4	0.4
70°	0.3	0.2	0.2	0.2	0.3
72.5°	0.2	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	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





— 0°-180° - - 45°-225° - - - - 90°-270°

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)