

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: P789083

Luminaire Tested: LER6D10D010-EC6DR400210IC9050-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P789083
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D10D010-EC6DR400210IC9050-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2006.9 lumens
Efficiency: N/A
Efficacy: 171.5 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

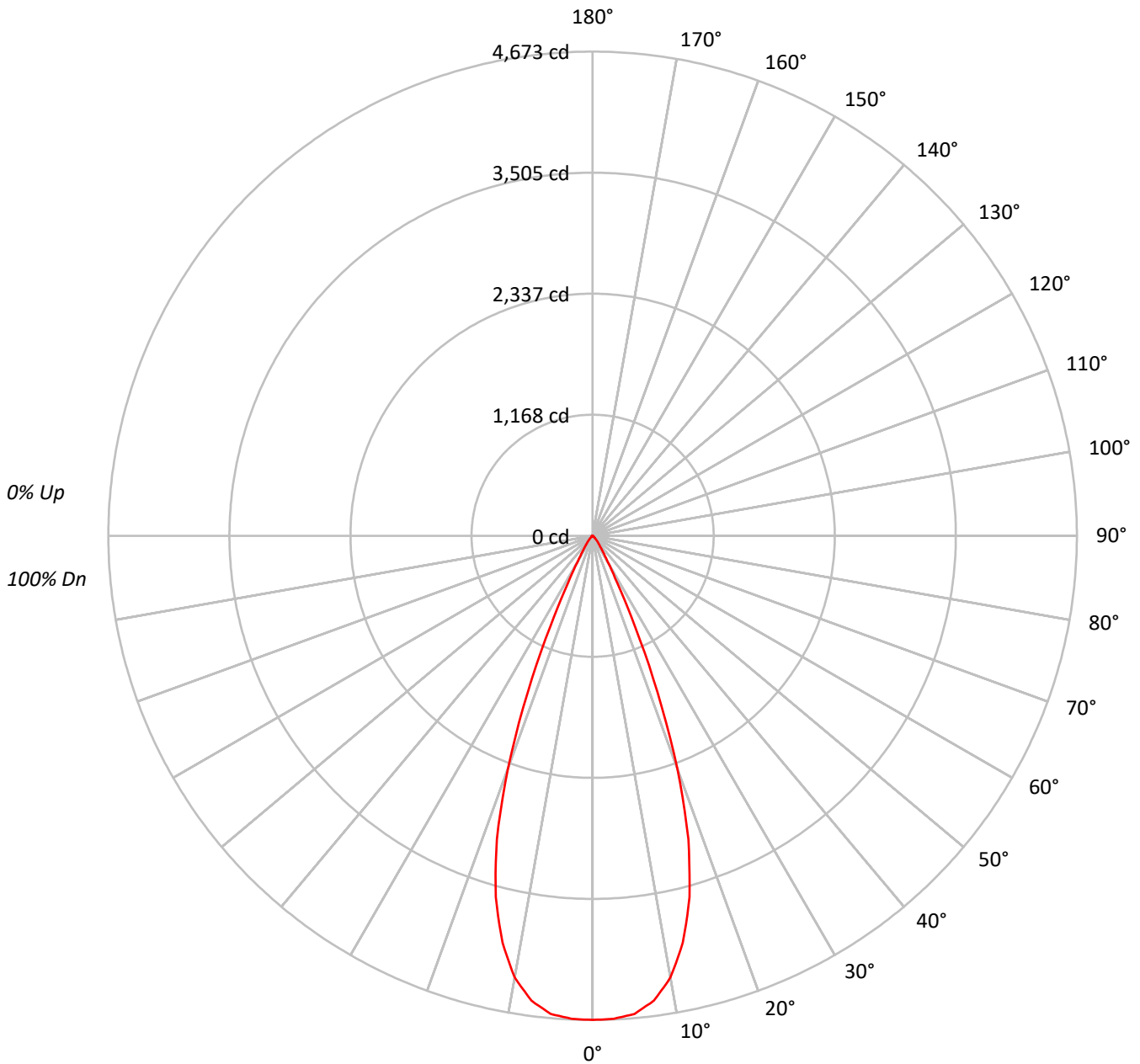
Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P789083
CATALOG NUMBER: LER6D10D010-EC6DR400210IC9050-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P789083

CATALOG NUMBER: LER6D10D010-EC6DR400210IC9050-6LBS1B

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	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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96						96													
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92						92													
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88						88													
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84						84													
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81						81													
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77						77													
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74						74													
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72						72													
9	86	79	74	71	85	78	74	71	77	73	71	77	73	70	76	72	70	69						69													
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67						67													

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	510543
5°	508062
10°	480231
15°	408255
20°	278253
25°	116095
30°	36499
35°	16966
40°	9385
45°	4296
50°	2091
55°	1143
60°	590
65°	207
70°	96
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4296 cd/sqm



TEST NUMBER: P789083

CATALOG NUMBER: LER6D10D010-EC6DR400210IC9050-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.5	21.6
10°-20°	969.0	48.3
20°-30°	485.0	24.2
30°-40°	88.9	4.4
40°-50°	24.5	1.2
50°-60°	5.7	0.3
60°-70°	1.1	0.1
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°	1886.6	94.0
0°-40°	1975.5	98.4
0°-60°	2005.8	99.9
0°-90°	2006.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2006.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4673	
5°	4632	433
15°	3609	969
25°	963	485
35°	127	89
45°	28	25
55°	6	6
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P789083

CATALOG NUMBER: LER6D10D010-EC6DR400210IC9050-6LBS1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	4672.7
2.5°	4665.9
5°	4632.3
7.5°	4525.3
10°	4328.5
12.5°	4021.7
15°	3609.2
17.5°	3072.8
20°	2393.1
22.5°	1631.5
25°	963.0
27.5°	509.1
30°	289.3
32.5°	187.0
35°	127.2
37.5°	90.9
40°	65.8
42.5°	45.0
45°	27.8
47.5°	17.7
50°	12.3
52.5°	8.7
55°	6.0
57.5°	3.8
60°	2.7
62.5°	1.6
65°	0.8
67.5°	0.5
70°	0.3
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)