

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: P788179

Luminaire Tested: LER6D08D010-EC6DR150210IC9024-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788179
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D08D010-EC6DR150210IC9024-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 676.8 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

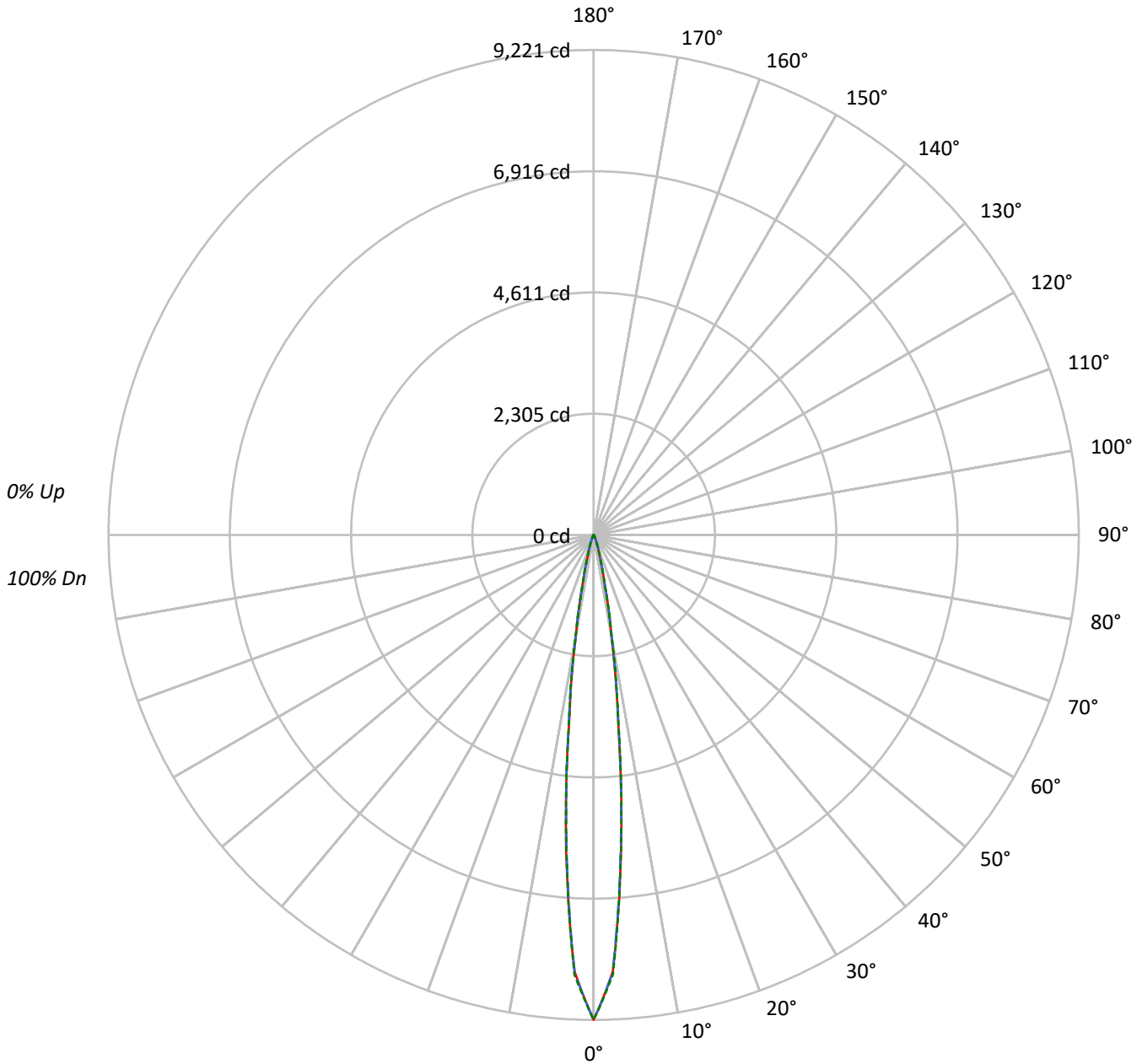
Input Watts (W): 8.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P788179
CATALOG NUMBER: LER6D08D010-EC6DR150210IC9024-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P788179

CATALOG NUMBER: LER6D08D010-EC6DR150210IC9024-6LBS1B

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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1037501	1037501	1037501
5°	609682	601785	606552
10°	181959	183237	186046
15°	45261	46147	44723
20°	13542	15685	13828
25°	4775	6084	4838
30°	1752	2306	1782
35°	879	995	850
40°	554	611	554
45°	413	434	413
50°	327	327	327
55°	271	271	271
60°	218	218	218
65°	164	164	164
70°	146	146	146
75°	91	91	121
80°	63	63	63
85°	33	33	33

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 434 cd/sqm



TEST NUMBER: P788179

CATALOG NUMBER: LER6D08D010-EC6DR150210IC9024-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.9	64.9
10°-20°	180.5	26.7
20°-30°	35.9	5.3
30°-40°	9.0	1.3
40°-50°	4.7	0.7
50°-60°	3.5	0.5
60°-70°	2.4	0.4
70°-80°	1.4	0.2
80°-90°	0.4	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
<hr/>		
0°-30°	655.3	96.8
0°-40°	664.3	98.2
0°-60°	672.5	99.4
0°-90°	676.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	676.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9221	9221	9221	9221	9221	
5°	5999	5938	5921	5962	5968	438
15°	521	531	531	522	515	179
25°	61	70	78	69	62	32
35°	12	13	14	13	12	8
45°	6	6	6	6	6	5
55°	4	4	4	4	4	3
65°	2	2	2	2	2	2
75°	1	1	1	1	2	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P788179

CATALOG NUMBER: LER6D08D010-EC6DR150210IC9024-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9220.6	9220.6	9220.6	9220.6	9220.6
2.5°	8317.4	8324.4	8327.1	8335.3	8365.8
5°	5999.1	5937.5	5921.4	5962.4	5968.3
7.5°	3553.6	3566.1	3611.8	3622.0	3585.3
10°	1950.1	1966.1	1963.8	1977.8	1993.9
12.5°	997.3	984.8	980.9	996.9	974.7
15°	521.1	530.9	531.3	521.9	514.9
17.5°	280.3	291.6	310.3	295.1	271.7
20°	165.5	175.7	191.7	179.2	169.0
22.5°	102.3	110.5	121.8	112.0	103.8
25°	61.3	69.5	78.1	69.1	62.1
27.5°	36.3	43.3	48.8	42.9	35.9
30°	23.4	27.3	30.8	26.9	23.8
32.5°	16.4	18.0	19.5	18.0	16.4
35°	12.1	12.9	13.7	12.9	11.7
37.5°	9.4	10.1	10.5	9.8	9.0
40°	7.8	8.2	8.6	8.2	7.8
42.5°	6.6	7.0	7.0	7.0	6.6
45°	5.9	5.9	6.2	5.9	5.9
47.5°	5.1	5.1	5.5	5.1	5.1
50°	4.7	4.7	4.7	4.7	4.7
52.5°	4.3	4.3	4.3	4.3	4.3
55°	3.9	3.9	3.9	3.9	3.9
57.5°	3.5	3.5	3.5	3.5	3.5
60°	3.1	3.1	3.1	3.1	3.1
62.5°	2.7	2.7	2.7	2.7	2.7
65°	2.3	2.3	2.3	2.3	2.3
67.5°	2.3	2.3	2.3	2.3	2.3
70°	2.0	2.0	2.0	2.0	2.0
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.2	1.2	1.2	1.2	1.6
77.5°	1.2	1.2	1.2	1.2	1.2
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.4
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)