

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: P788196

Luminaire Tested: LER6D08D010-EC6DR150210IC9030-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788196
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-EC6DR150210IC9030-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 826.5 lumens
Efficiency: N/A
Efficacy: 92.9 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

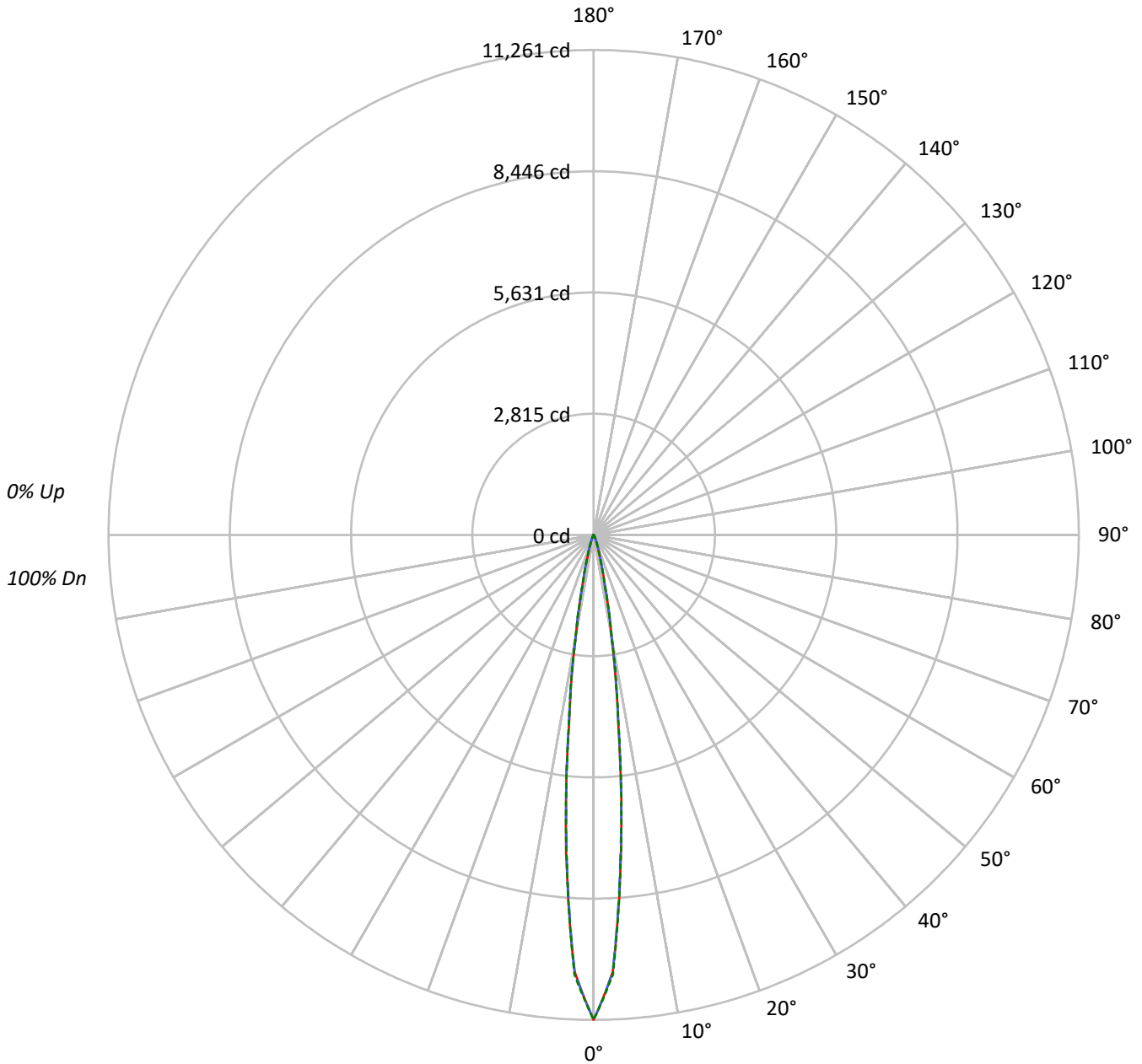
Input Watts (W): 8.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P788196
CATALOG NUMBER: LER6D08D010-EC6DR150210IC9030-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P788196

CATALOG NUMBER: LER6D08D010-EC6DR150210IC9030-6LBS1H

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	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°	1267065	1267065	1267065
5°	744584	734950	740763
10°	222221	223780	227204
15°	55276	56353	54616
20°	16536	19155	16888
25°	5827	7424	5905
30°	2142	2823	2179
35°	1075	1213	1038
40°	675	746	675
45°	504	532	504
50°	396	396	396
55°	334	334	334
60°	267	267	267
65°	207	207	207
70°	176	176	176
75°	106	106	144
80°	79	79	79
85°	42	42	42

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 532 cd/sqm



TEST NUMBER: P788196

CATALOG NUMBER: LER6D08D010-EC6DR150210IC9030-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	536.0	64.9
10°-20°	220.5	26.7
20°-30°	43.8	5.3
30°-40°	10.9	1.3
40°-50°	5.8	0.7
50°-60°	4.3	0.5
60°-70°	3.0	0.4
70°-80°	1.7	0.2
80°-90°	0.5	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
0°-30°	800.3	96.8
0°-40°	811.2	98.2
0°-60°	821.3	99.4
0°-90°	826.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	826.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11261	11261	11261	11261	11261	
5°	7326	7251	7232	7282	7289	535
15°	636	648	649	637	629	218
25°	75	85	95	84	76	39
35°	15	16	17	16	14	10
45°	7	7	8	7	7	6
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	1	1	1	1	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



TEST NUMBER: P788196

CATALOG NUMBER: LER6D08D010-EC6DR150210IC9030-6LBS1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11260.8	11260.8	11260.8	11260.8	11260.8
2.5°	10157.7	10166.3	10169.6	10179.6	10216.8
5°	7326.5	7251.2	7231.7	7281.7	7288.9
7.5°	4340.0	4355.2	4411.0	4423.4	4378.6
10°	2381.6	2401.2	2398.3	2415.5	2435.0
12.5°	1218.0	1202.7	1198.0	1217.5	1190.3
15°	636.4	648.3	648.8	637.4	628.8
17.5°	342.3	356.1	379.0	360.4	331.8
20°	202.1	214.5	234.1	218.8	206.4
22.5°	124.9	134.9	148.7	136.8	126.8
25°	74.8	84.9	95.3	84.4	75.8
27.5°	44.3	52.9	59.6	52.4	43.9
30°	28.6	33.4	37.7	32.9	29.1
32.5°	20.0	21.9	23.8	21.9	20.0
35°	14.8	15.7	16.7	15.7	14.3
37.5°	11.4	12.4	12.9	11.9	11.0
40°	9.5	10.0	10.5	10.0	9.5
42.5°	8.1	8.6	8.6	8.6	8.1
45°	7.2	7.2	7.6	7.2	7.2
47.5°	6.2	6.2	6.7	6.2	6.2
50°	5.7	5.7	5.7	5.7	5.7
52.5°	5.2	5.2	5.2	5.2	5.2
55°	4.8	4.8	4.8	4.8	4.8
57.5°	4.3	4.3	4.3	4.3	4.3
60°	3.8	3.8	3.8	3.8	3.8
62.5°	3.3	3.3	3.3	3.3	3.3
65°	2.9	2.9	2.9	2.9	2.9
67.5°	2.9	2.9	2.9	2.9	2.9
70°	2.4	2.4	2.4	2.4	2.4
72.5°	1.9	1.9	1.9	1.9	1.9
75°	1.4	1.4	1.4	1.4	1.9
77.5°	1.4	1.4	1.4	1.4	1.4
80°	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5
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)