

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: P786069

Luminaire Tested: LERS6D08D010-EC6DR300210IC9040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786069
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: LERS6D08D010-EC6DR300210IC9040-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1513.1 lumens
Efficiency: N/A
Efficacy: 170.0 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): 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

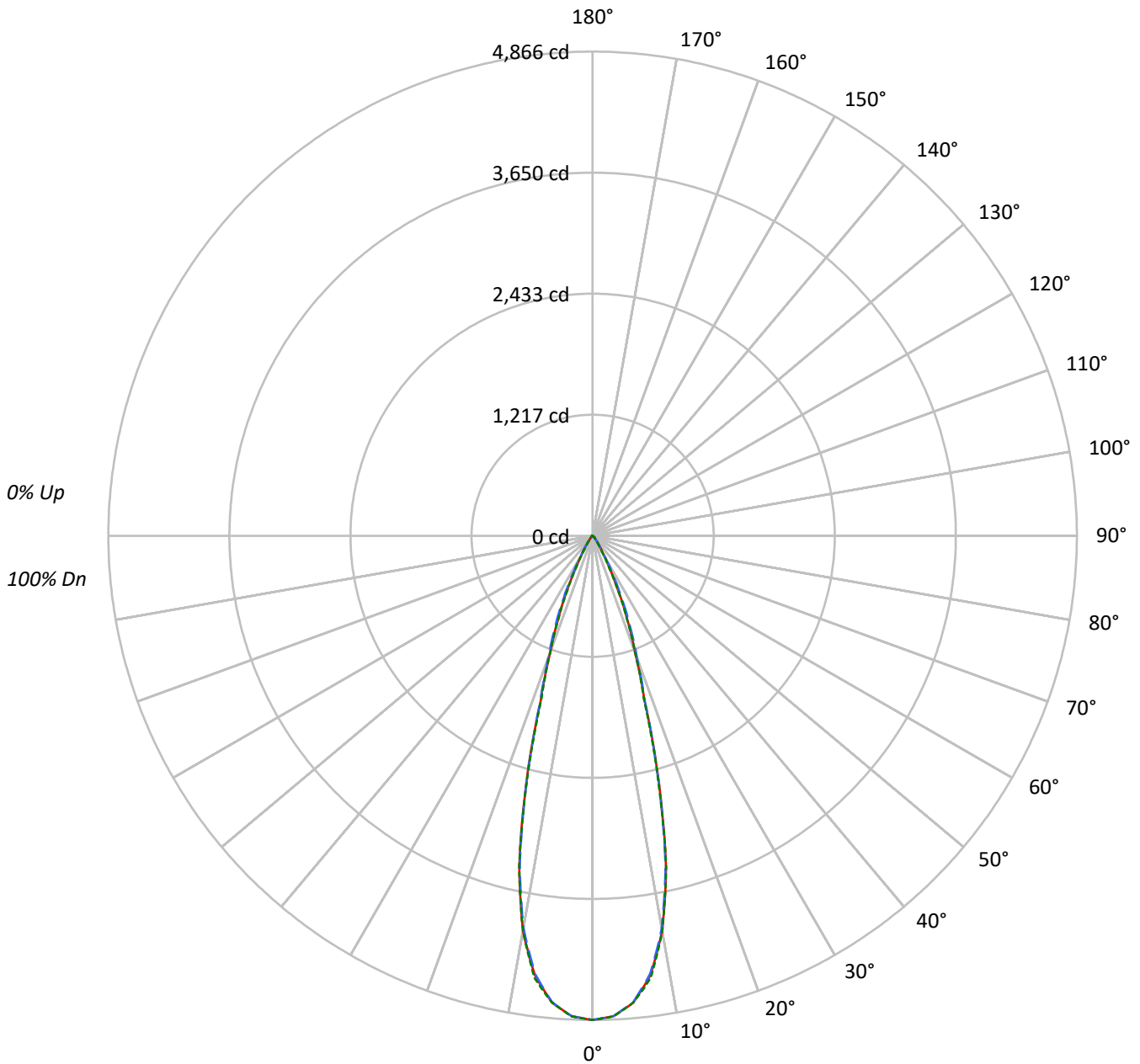


Downlight

TEST NUMBER: P786069

CATALOG NUMBER: LERS6D08D010-EC6DR300210IC9040-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P786069

CATALOG NUMBER: LERS6D08D010-EC6DR300210IC9040-6LBS1H

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	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°	372422	372422	372422
5°	361735	361313	361751
10°	313314	311107	313244
15°	204425	203323	202301
20°	101649	105461	101510
25°	51206	57743	50159
30°	20505	22335	17863
35°	9512	9111	7634
40°	4107	4556	3867
45°	2901	3594	2923
50°	1000	2620	1048
55°	574	1081	601
60°	398	475	398
65°	254	254	254
70°	157	112	157
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3594 cd/sqm



TEST NUMBER: P786069

CATALOG NUMBER: LERS6D08D010-EC6DR300210IC9040-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.9	28.3
10°-20°	689.1	45.5
20°-30°	297.8	19.7
30°-40°	67.9	4.5
40°-50°	23.3	1.5
50°-60°	5.7	0.4
60°-70°	1.5	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°	1414.7	93.5
0°-40°	1482.5	98.0
0°-60°	1511.5	99.9
0°-90°	1513.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1513.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4866	4866	4866	4866	4866	
5°	4708	4703	4702	4712	4708	428
15°	2580	2549	2566	2558	2553	691
25°	606	629	684	613	594	290
35°	102	104	98	97	82	69
45°	27	33	33	33	27	19
55°	4	4	8	5	4	4
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	



TEST NUMBER: P786069

CATALOG NUMBER: LERS6D08D010-EC6DR300210IC9040-6LBS1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4865.5	4865.5	4865.5	4865.5	4865.5
2.5°	4833.3	4829.9	4831.9	4834.2	4835.2
5°	4707.9	4703.3	4702.4	4712.2	4708.1
7.5°	4454.9	4448.5	4438.7	4460.9	4481.7
10°	4031.1	4024.0	4002.7	4013.2	4030.2
12.5°	3405.5	3382.3	3381.8	3415.3	3410.8
15°	2579.7	2548.6	2565.8	2557.5	2552.9
17.5°	1734.8	1722.8	1745.7	1738.8	1709.0
20°	1247.9	1251.0	1294.7	1272.8	1246.2
22.5°	910.6	921.8	973.7	917.1	896.3
25°	606.3	629.2	683.7	613.2	593.9
27.5°	372.9	383.4	438.6	368.1	357.6
30°	232.0	226.7	252.7	216.9	202.1
32.5°	152.2	145.5	153.8	138.1	126.1
35°	101.8	103.9	97.5	96.7	81.7
37.5°	63.5	73.1	64.5	68.8	52.6
40°	41.1	53.0	45.6	50.4	38.7
42.5°	33.7	40.8	37.5	39.9	34.4
45°	26.8	33.2	33.2	33.2	27.0
47.5°	14.8	22.2	28.4	22.7	15.8
50°	8.4	11.2	22.0	11.7	8.8
52.5°	5.7	6.4	15.0	6.7	6.0
55°	4.3	4.5	8.1	4.8	4.5
57.5°	3.3	3.6	4.3	3.6	3.3
60°	2.6	2.6	3.1	2.9	2.6
62.5°	1.9	1.9	2.1	1.9	1.9
65°	1.4	1.4	1.4	1.4	1.4
67.5°	0.7	1.0	1.0	1.0	1.0
70°	0.7	0.5	0.5	0.5	0.7
72.5°	0.5	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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)