

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: P788343

Luminaire Tested: LER6D08D010-EC6DR300210IC9035-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788343
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: LER6D08D010-EC6DR300210IC9035-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1126.2 lumens
Efficiency: N/A
Efficacy: 126.5 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): 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

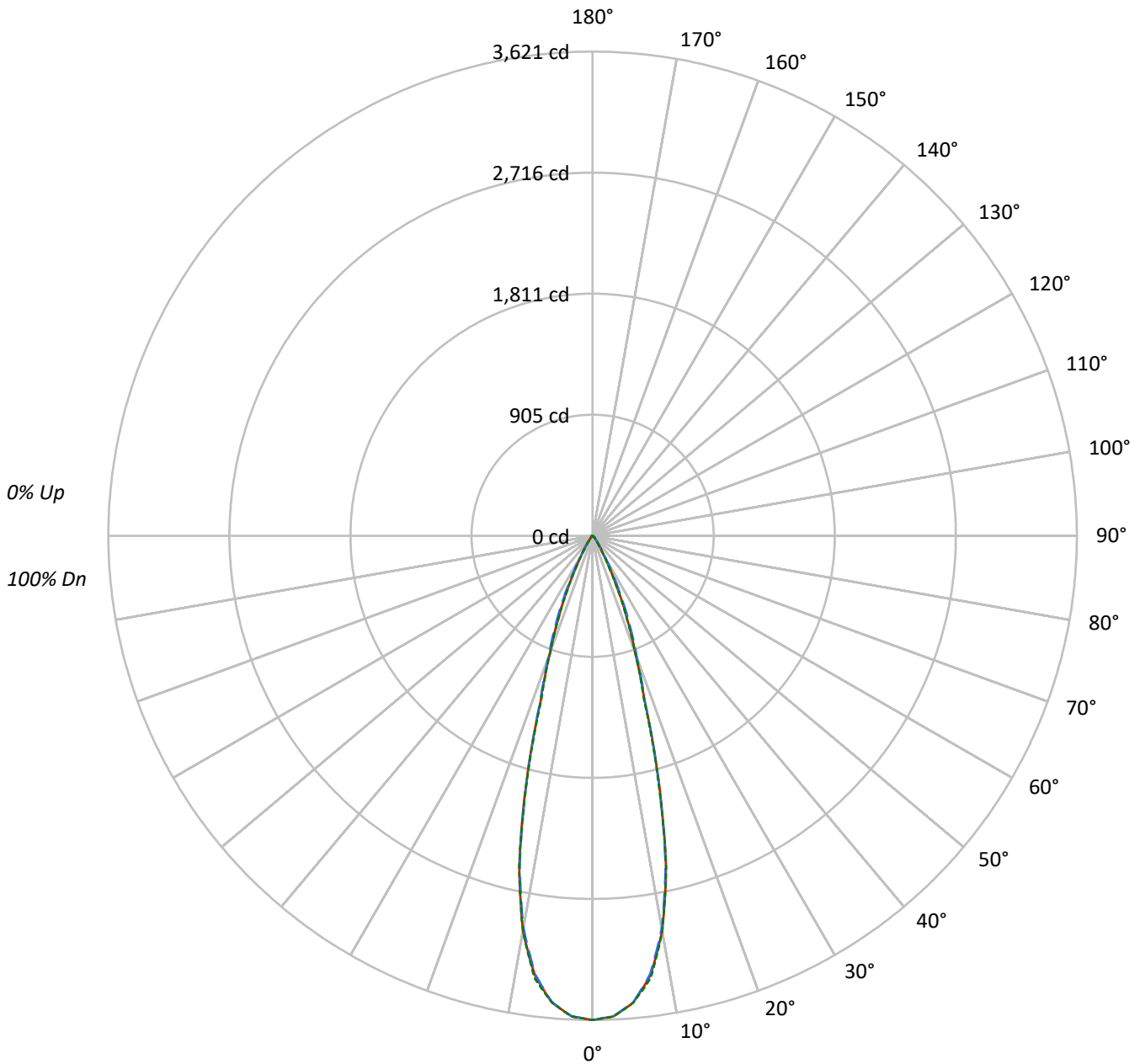


Downlight

TEST NUMBER: P788343

CATALOG NUMBER: LER6D08D010-EC6DR300210IC9035-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P788343

CATALOG NUMBER: LER6D08D010-EC6DR300210IC9035-6LBDP1B

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°	277179	277179	277179
5°	269225	268910	269240
10°	233188	231540	233134
15°	152148	151323	150563
20°	75656	78491	75550
25°	38107	42971	37330
30°	15255	16625	13293
35°	7074	6775	5681
40°	3058	3397	2878
45°	2154	2674	2176
50°	738	1953	786
55°	427	801	454
60°	306	352	306
65°	199	199	199
70°	112	90	112
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2674 cd/sqm



TEST NUMBER: P788343

CATALOG NUMBER: LER6D08D010-EC6DR300210IC9035-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.4	28.3
10°-20°	512.8	45.5
20°-30°	221.6	19.7
30°-40°	50.5	4.5
40°-50°	17.3	1.5
50°-60°	4.2	0.4
60°-70°	1.1	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°	1052.9	93.5
0°-40°	1103.4	98.0
0°-60°	1125.0	99.9
0°-90°	1126.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1126.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3621	3621	3621	3621	3621	
5°	3504	3500	3500	3507	3504	319
15°	1920	1897	1910	1903	1900	514
25°	451	468	509	456	442	216
35°	76	77	72	72	61	51
45°	20	25	25	25	20	14
55°	3	3	6	4	3	3
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: P788343

CATALOG NUMBER: LER6D08D010-EC6DR300210IC9035-6LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3621.2	3621.2	3621.2	3621.2	3621.2
2.5°	3597.2	3594.7	3596.2	3597.9	3598.6
5°	3503.9	3500.5	3499.8	3507.1	3504.1
7.5°	3315.6	3310.8	3303.5	3320.0	3335.5
10°	3000.2	2994.9	2979.0	2986.9	2999.5
12.5°	2534.6	2517.3	2517.0	2541.9	2538.5
15°	1920.0	1896.8	1909.6	1903.4	1900.0
17.5°	1291.1	1282.2	1299.3	1294.1	1271.9
20°	928.8	931.1	963.6	947.3	927.5
22.5°	677.7	686.1	724.7	682.5	667.1
25°	451.2	468.3	508.8	456.4	442.0
27.5°	277.5	285.4	326.4	274.0	266.2
30°	172.6	168.7	188.1	161.4	150.4
32.5°	113.3	108.3	114.5	102.8	93.9
35°	75.7	77.3	72.5	72.0	60.8
37.5°	47.3	54.4	48.0	51.2	39.1
40°	30.6	39.5	34.0	37.5	28.8
42.5°	25.1	30.4	27.9	29.7	25.6
45°	19.9	24.7	24.7	24.7	20.1
47.5°	11.0	16.5	21.2	16.9	11.7
50°	6.2	8.4	16.4	8.7	6.6
52.5°	4.3	4.8	11.2	5.0	4.4
55°	3.2	3.4	6.0	3.6	3.4
57.5°	2.5	2.7	3.2	2.7	2.5
60°	2.0	2.0	2.3	2.1	2.0
62.5°	1.4	1.4	1.6	1.4	1.4
65°	1.1	1.1	1.1	1.1	1.1
67.5°	0.5	0.7	0.7	0.7	0.7
70°	0.5	0.4	0.4	0.4	0.5
72.5°	0.4	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)