

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: P788298

Luminaire Tested: LER6D08D010-EC6DR250210IC9035-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788298  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D08D010-EC6DR250210IC9035-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 25° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1133.4 lumens  
Efficiency: N/A  
Efficacy: 127.4 lumens/watt  
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 8.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

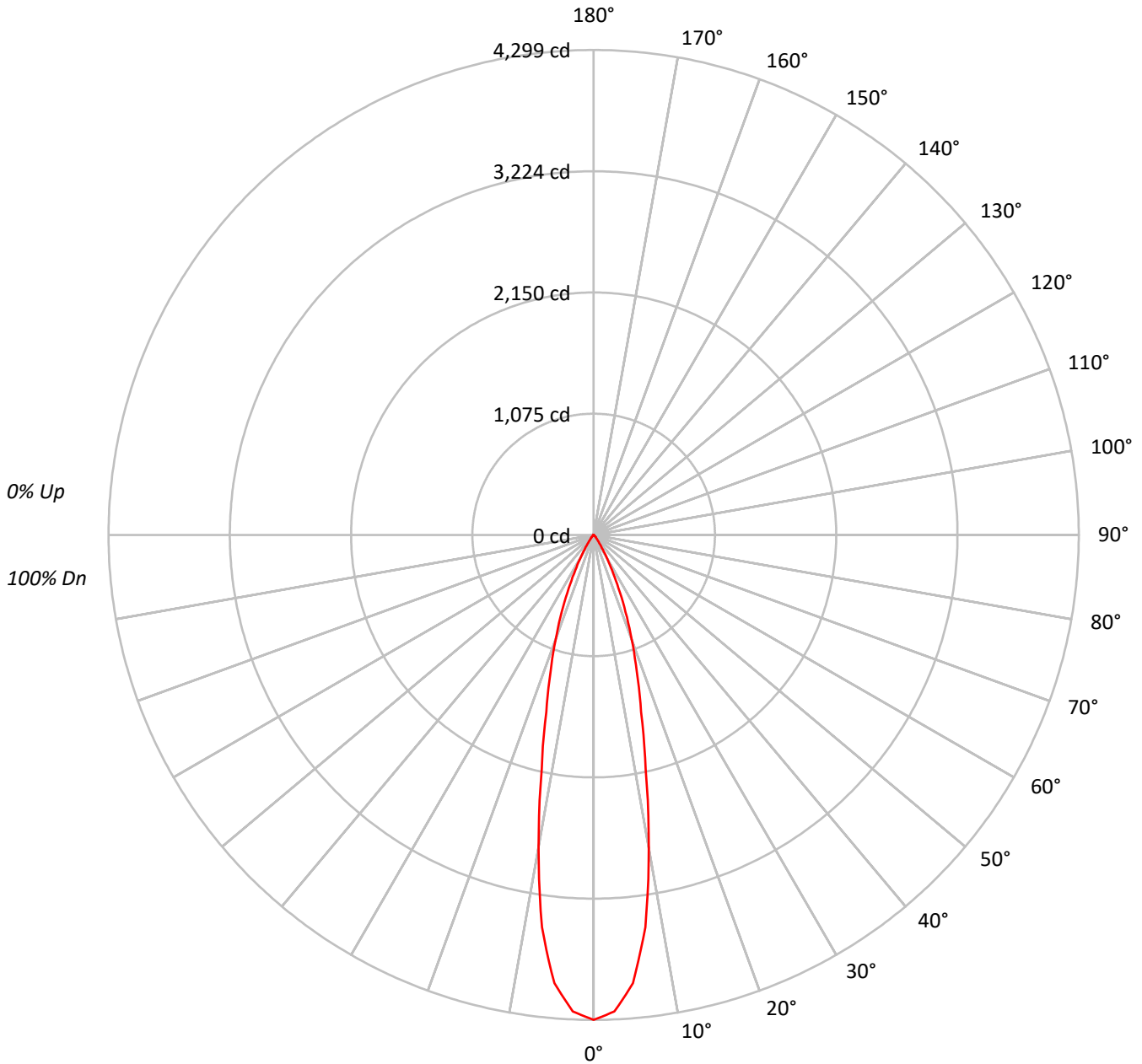


Downlight

TEST NUMBER: P788298

CATALOG NUMBER: LER6D08D010-EC6DR250210IC9035-6LBDP1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P788298

CATALOG NUMBER: LER6D08D010-EC6DR250210IC9035-6LBDP1MW

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									20																	
RC	80									70									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	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	97	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																																				
5	100	93	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82																																				
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																																				
7	93	87	82	79	92	86	82	79	85	81	78	84	80	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°
0°	469690
5°	437462
10°	312048
15°	183789
20°	114354
25°	62761
30°	28702
35°	10871
40°	4921
45°	2967
50°	1224
55°	800
60°	546
65°	362
70°	64
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2967 cd/sqm



TEST NUMBER: P788298

CATALOG NUMBER: LER6D08D010-EC6DR250210IC9035-6LBDP1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	342.8	30.2
10°-20°	464.3	41.0
20°-30°	245.7	21.7
30°-40°	60.7	5.4
40°-50°	14.8	1.3
50°-60°	3.9	0.3
60°-70°	1.3	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°	1052.8	92.9
0°-40°	1113.4	98.2
0°-60°	1132.1	99.9
0°-90°	1133.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1133.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4299	
5°	3989	343
15°	1625	464
25°	521	246
35°	82	61
45°	19	15
55°	4	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P788298

CATALOG NUMBER: LER6D08D010-EC6DR250210IC9035-6LBDP1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4298.8
2.5°	4228.2
5°	3988.6
7.5°	3507.2
10°	2812.6
12.5°	2126.2
15°	1624.8
17.5°	1266.3
20°	983.5
22.5°	737.6
25°	520.6
27.5°	349.1
30°	227.5
32.5°	138.4
35°	81.5
37.5°	49.9
40°	34.5
42.5°	26.4
45°	19.2
47.5°	11.6
50°	7.2
52.5°	5.2
55°	4.2
57.5°	3.3
60°	2.5
62.5°	2.0
65°	1.4
67.5°	0.5
70°	0.2
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)