

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: P788623

Luminaire Tested: LER6D08D010-EC6DR600210IC9030-6LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788623  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D08D010-EC6DR600210IC9030-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1071.6 lumens  
Efficiency: N/A  
Efficacy: 120.4 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.84  
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

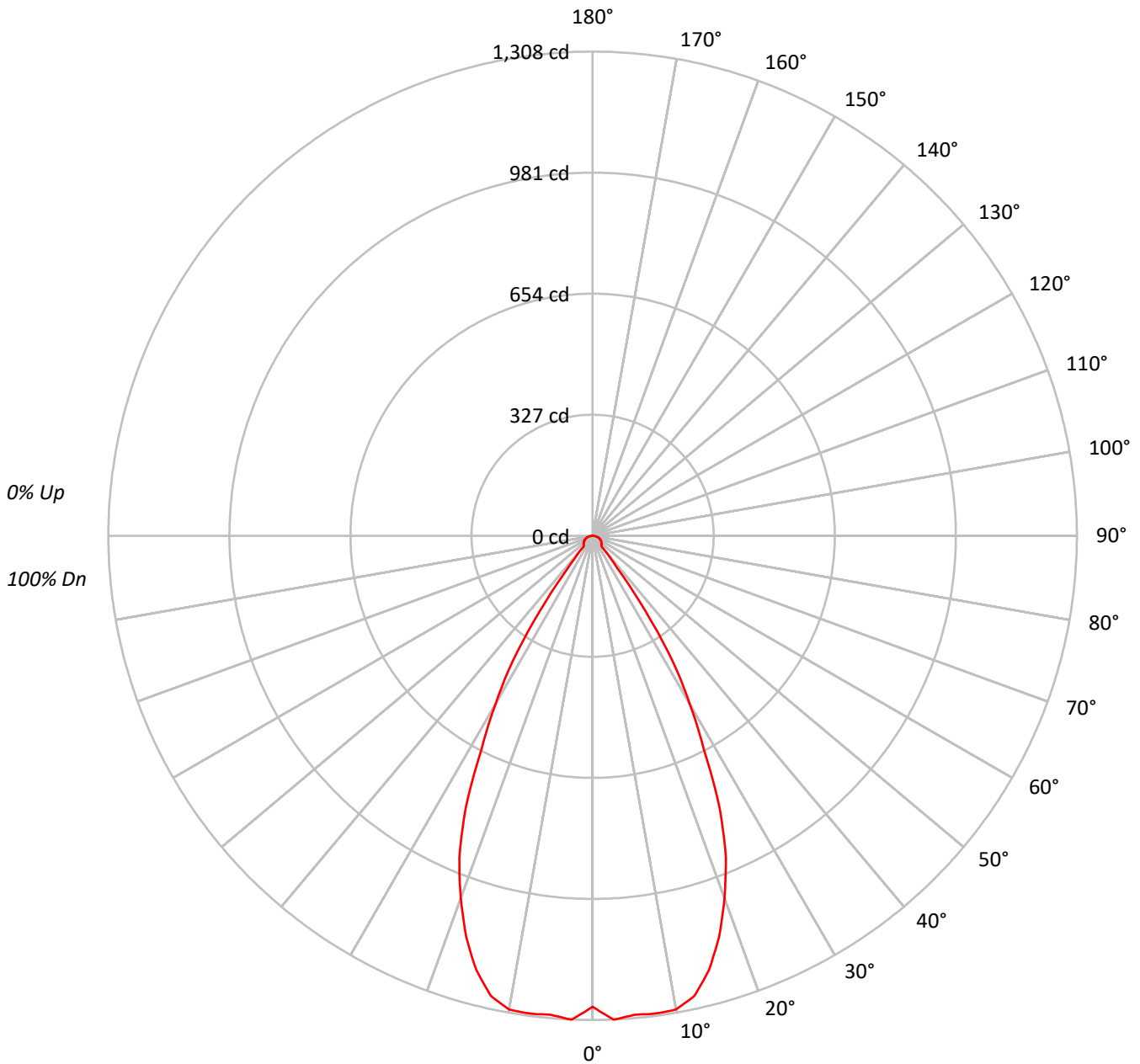


Downlight

TEST NUMBER: P788623

CATALOG NUMBER: LER6D08D010-EC6DR600210IC9030-6LBDP1B

### Luminous Intensity Polar Plot





TEST NUMBER: P788623

CATALOG NUMBER: LER6D08D010-EC6DR600210IC9030-6LBDP1B

**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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	139045
5°	142461
10°	144186
15°	137356
20°	121110
25°	97952
30°	66261
35°	33199
40°	5391
45°	5269
50°	5371
55°	5467
60°	5616
65°	5739
70°	5878
75°	5952
80°	5726
85°	4764

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 5952 cd/sqm



TEST NUMBER: P788623

CATALOG NUMBER: LER6D08D010-EC6DR600210IC9030-6LBDP1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.1	11.6
10°-20°	335.9	31.3
20°-30°	361.4	33.7
30°-40°	157.1	14.7
40°-50°	26.4	2.5
50°-60°	25.7	2.4
60°-70°	22.0	2.0
70°-80°	14.7	1.4
80°-90°	4.4	0.4
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°	821.4	76.7
0°-40°	978.5	91.3
0°-60°	1030.6	96.2
0°-90°	1071.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1071.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1273	
5°	1299	124
15°	1214	336
25°	812	361
35°	249	157
45°	34	26
55°	29	26
65°	22	22
75°	14	15
85°	4	4
90°	0	



TEST NUMBER: P788623

CATALOG NUMBER: LER6D08D010-EC6DR600210IC9030-6LBDP1B

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	1272.6
2.5°	1308.4
5°	1298.9
7.5°	1301.9
10°	1299.6
12.5°	1272.8
15°	1214.3
17.5°	1135.8
20°	1041.6
22.5°	940.7
25°	812.5
27.5°	649.9
30°	525.2
32.5°	404.8
35°	248.9
37.5°	106.5
40°	37.8
42.5°	34.8
45°	34.1
47.5°	33.0
50°	31.6
52.5°	30.1
55°	28.7
57.5°	27.2
60°	25.7
62.5°	24.0
65°	22.2
67.5°	20.4
70°	18.4
72.5°	16.2
75°	14.1
77.5°	11.6
80°	9.1
82.5°	6.5
85°	3.8
87.5°	1.3
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)