

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: P788743

Luminaire Tested: LER6D08D010-EC6DR700210IC9050-6LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788743  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D08D010-EC6DR700210IC9050-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 854.3 lumens  
Efficiency: N/A  
Efficacy: 96.0 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
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

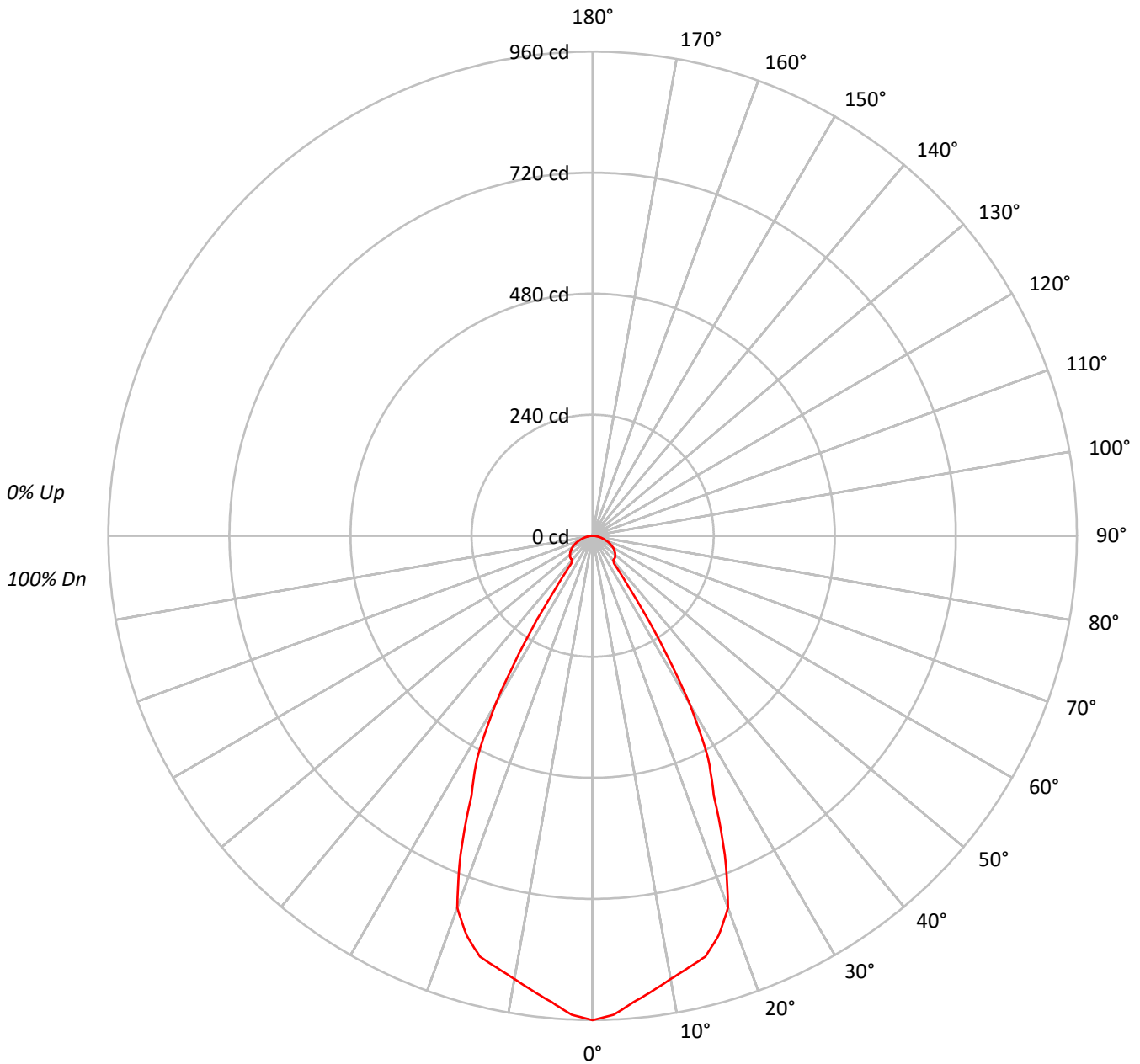


Downlight

TEST NUMBER: P788743

CATALOG NUMBER: LER6D08D010-EC6DR700210IC9050-6LBDP1B

### Luminous Intensity Polar Plot





TEST NUMBER: P788743

CATALOG NUMBER: LER6D08D010-EC6DR700210IC9050-6LBDP1B

**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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

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

	0°
0°	104945
5°	101825
10°	98986
15°	97686
20°	91228
25°	68536
30°	48447
35°	17166
40°	9028
45°	9611
50°	9944
55°	10134
60°	10205
65°	9979
70°	9424
75°	8739
80°	7739
85°	6268

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 10208 cd/sqm



TEST NUMBER: P788743

CATALOG NUMBER: LER6D08D010-EC6DR700210IC9050-6LBDP1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.6	10.2
10°-20°	240.2	28.1
20°-30°	264.6	31.0
30°-40°	101.1	11.8
40°-50°	47.7	5.6
50°-60°	47.4	5.6
60°-70°	38.0	4.4
70°-80°	21.8	2.6
80°-90°	5.9	0.7
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°	592.3	69.3
0°-40°	693.4	81.2
0°-60°	788.6	92.3
0°-90°	854.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	854.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	960	
5°	928	88
15°	864	240
25°	568	265
35°	129	101
45°	62	48
55°	53	47
65°	39	38
75°	21	22
85°	5	6
90°	0	



TEST NUMBER: P788743

CATALOG NUMBER: LER6D08D010-EC6DR700210IC9050-6LBDP1B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	960.5
2.5°	950.5
5°	928.4
7.5°	910.0
10°	892.2
12.5°	877.2
15°	863.6
17.5°	830.9
20°	784.6
22.5°	684.5
25°	568.5
27.5°	494.9
30°	384.0
32.5°	248.0
35°	128.7
37.5°	69.5
40°	63.3
42.5°	62.8
45°	62.2
47.5°	60.8
50°	58.5
52.5°	56.0
55°	53.2
57.5°	50.2
60°	46.7
62.5°	42.7
65°	38.6
67.5°	34.1
70°	29.5
72.5°	24.9
75°	20.7
77.5°	16.3
80°	12.3
82.5°	8.7
85°	5.0
87.5°	2.0
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)