

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: P787498

Luminaire Tested: LER6D02D010-EC6DR700210IC9050-6LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P787498  
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: LER6D02D010-EC6DR700210IC9050-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 534.6 lumens  
Efficiency: N/A  
Efficacy: 104.8 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): 5.1  
Input Voltage (V): NR  
Input Current (Ain): 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

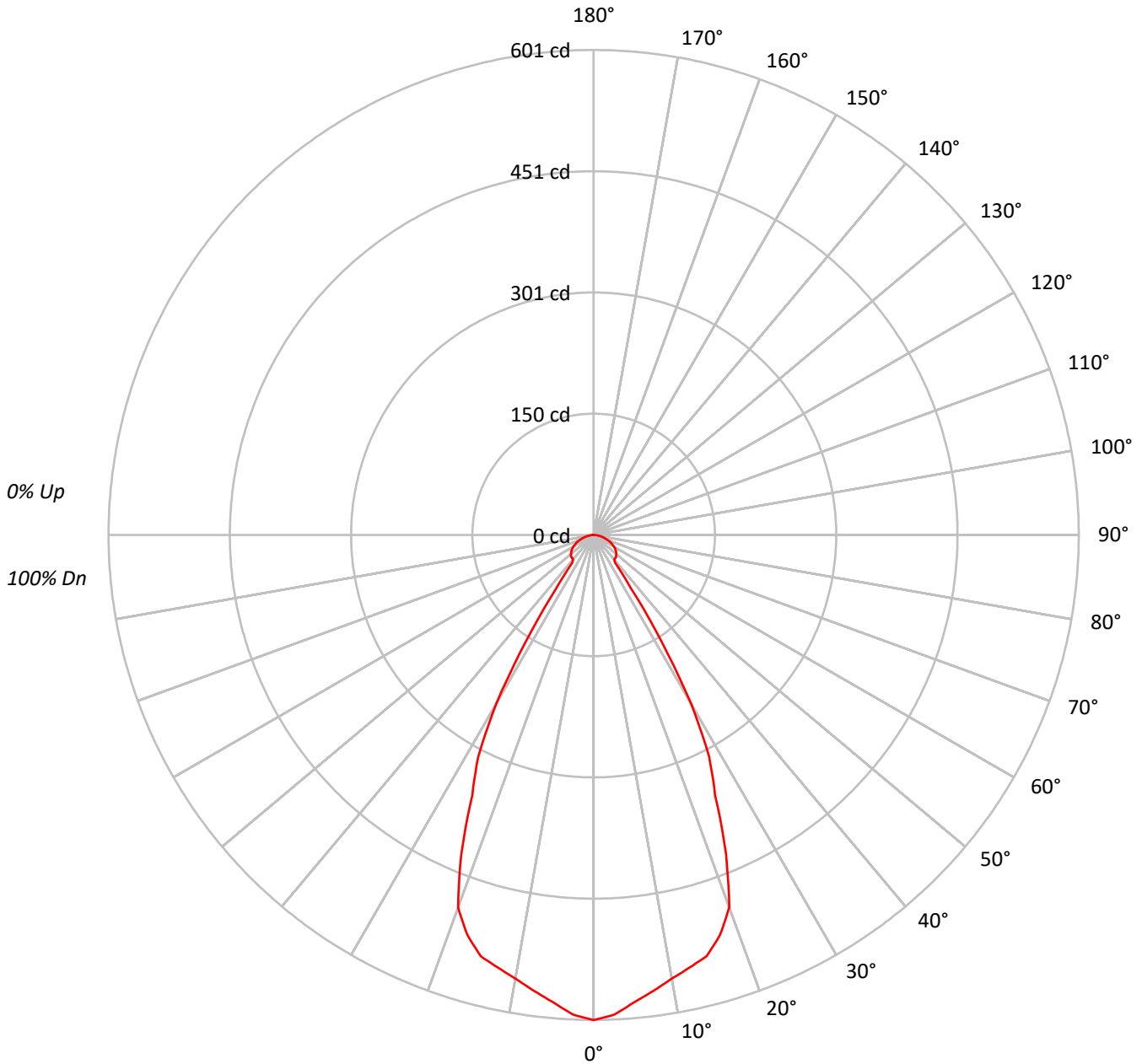


Downlight

TEST NUMBER: P787498

CATALOG NUMBER: LER6D02D010-EC6DR700210IC9050-6LBDP1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P787498

CATALOG NUMBER: LER6D02D010-EC6DR700210IC9050-6LBDP1MW

**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	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	88	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°	65688
5°	63734
10°	61952
15°	61150
20°	57102
25°	42894
30°	30317
35°	10737
40°	5648
45°	6011
50°	6221
55°	6343
60°	6381
65°	6256
70°	5910
75°	5446
80°	4845
85°	3886

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 6385 cd/sqm



TEST NUMBER: P787498

CATALOG NUMBER: LER6D02D010-EC6DR700210IC9050-6LBDP1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.8	10.3
10°-20°	150.3	28.1
20°-30°	165.6	31.0
30°-40°	63.3	11.8
40°-50°	29.9	5.6
50°-60°	29.7	5.6
60°-70°	23.8	4.4
70°-80°	13.7	2.6
80°-90°	3.7	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°	370.7	69.3
0°-40°	434.0	81.2
0°-60°	493.5	92.3
0°-90°	534.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	534.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	601	
5°	581	55
15°	541	150
25°	356	166
35°	80	63
45°	39	30
55°	33	30
65°	24	24
75°	13	14
85°	3	4
90°	0	



TEST NUMBER: P787498

CATALOG NUMBER: LER6D02D010-EC6DR700210IC9050-6LBDP1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	601.2
2.5°	594.9
5°	581.1
7.5°	569.6
10°	558.4
12.5°	549.0
15°	540.6
17.5°	520.1
20°	491.1
22.5°	428.4
25°	355.8
27.5°	309.7
30°	240.3
32.5°	155.2
35°	80.5
37.5°	43.5
40°	39.6
42.5°	39.3
45°	38.9
47.5°	38.1
50°	36.6
52.5°	35.0
55°	33.3
57.5°	31.4
60°	29.2
62.5°	26.7
65°	24.2
67.5°	21.3
70°	18.5
72.5°	15.6
75°	12.9
77.5°	10.2
80°	7.7
82.5°	5.4
85°	3.1
87.5°	1.2
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)