

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: P759062

Luminaire Tested: LD6D08D010-EU6DR200210IC9050-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P759062  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D08D010-EU6DR200210IC9050-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 20° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 814.0 lumens  
Efficiency: N/A  
Efficacy: 91.5 lumens/watt  
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36  
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



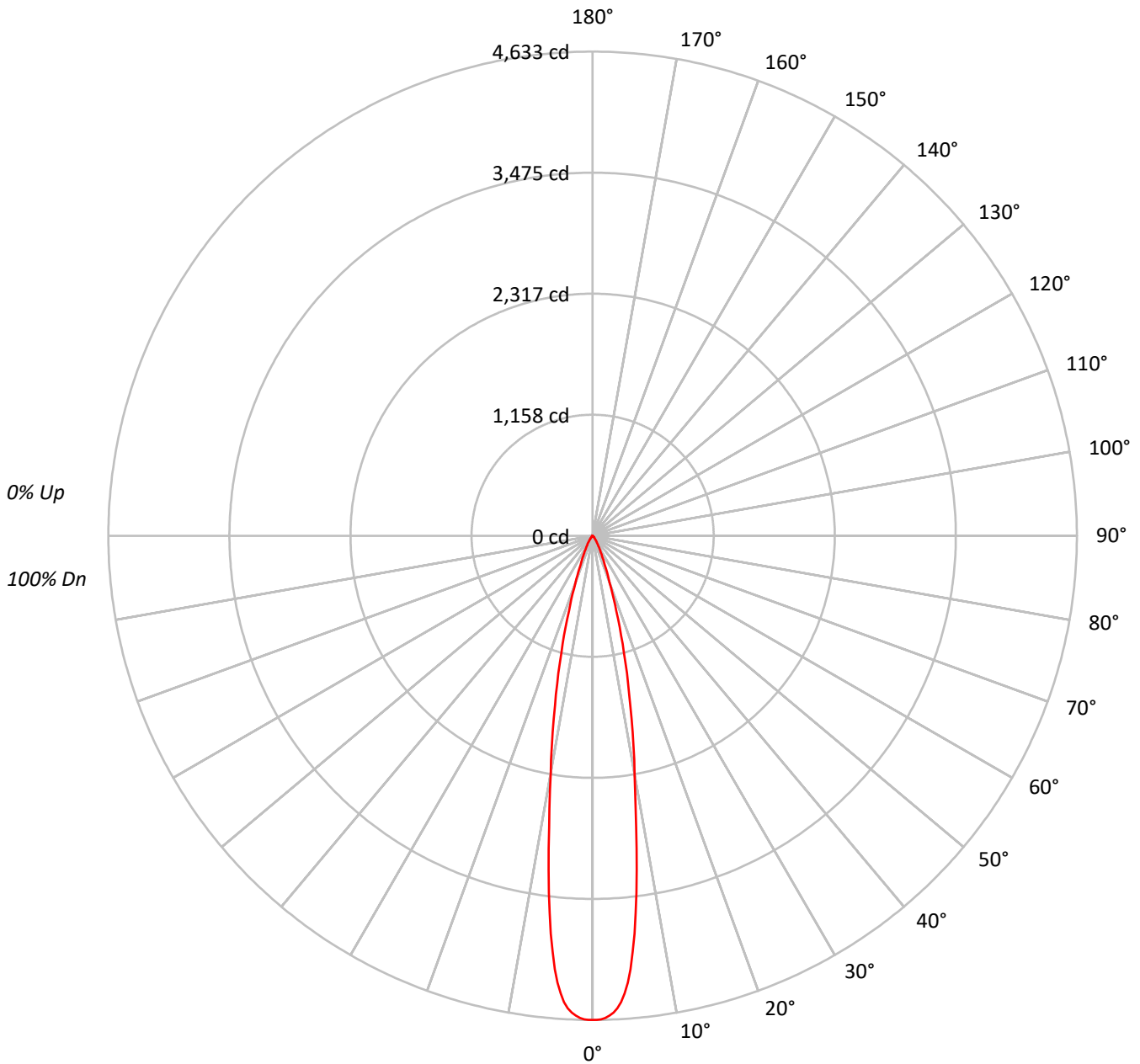
Downlight



TEST NUMBER: P759062

CATALOG NUMBER: LD6D08D010-EU6DR200210IC9050-6LBDP1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P759062

CATALOG NUMBER: LD6D08D010-EU6DR200210IC9050-6LBDP1MW

**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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100														
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	98	96	95	94	94														
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	92	91	91	91														
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	89	88	88	88														
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	86	85	85	85														
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	83	83	83	83														
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	81	81	81	81														
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	79	79	79	79														
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	77	77	77	77														
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	75	75	75	75														
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	73	73	73	73														

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

	0°
0°	506194
5°	456689
10°	256319
15°	130286
20°	55160
25°	25461
30°	13487
35°	7269
40°	3880
45°	2302
50°	1326
55°	705
60°	459
65°	310
70°	128
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2302 cd/sqm



TEST NUMBER: P759062

CATALOG NUMBER: LD6D08D010-EU6DR200210IC9050-6LBDP1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	329.9	40.5
10°-20°	324.8	39.9
20°-30°	106.1	13.0
30°-40°	36.1	4.4
40°-50°	12.2	1.5
50°-60°	3.7	0.5
60°-70°	1.2	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°	760.8	93.5
0°-40°	796.9	97.9
0°-60°	812.7	99.8
0°-90°	814.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	814.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4633	
5°	4164	330
15°	1152	325
25°	211	106
35°	54	36
45°	15	12
55°	4	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P759062

CATALOG NUMBER: LD6D08D010-EU6DR200210IC9050-6LBDP1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4632.9
0.5°	4632.9
1°	4627.2
1.5°	4615.6
2°	4594.6
2.5°	4566.5
3°	4526.9
3.5°	4471.6
4°	4389.5
4.5°	4289.7
5°	4163.9
5.5°	3998.4
6°	3828.9
6.5°	3634.6
7°	3444.4
7.5°	3221.6
8°	3022.8
8.5°	2822.7
9°	2637.9
9.5°	2468.3
10°	2310.3
12.5°	1658.9
15°	1151.8
17.5°	752.5
20°	474.4
22.5°	307.4
25°	211.2
27.5°	148.5
30°	106.9
32.5°	76.7
35°	54.5
37.5°	38.0
40°	27.2
42.5°	19.8
45°	14.9
47.5°	11.6
50°	7.8
52.5°	5.0
55°	3.7
57.5°	2.9
60°	2.1
62.5°	1.7
65°	1.2



TEST NUMBER: P759062

CATALOG NUMBER: LD6D08D010-EU6DR200210IC9050-6LBDP1MW

**CANDELA DISTRIBUTION (continued):**

	0°
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





— 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





67.5°		0.8
70°		0.4

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)