

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: P759657

Luminaire Tested: LD6D08D010-EU6DR600210IC9035-6LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P759657  
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: LD6D08D010-EU6DR600210IC9035-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 648.1 lumens  
Efficiency: N/A  
Efficacy: 72.8 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
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



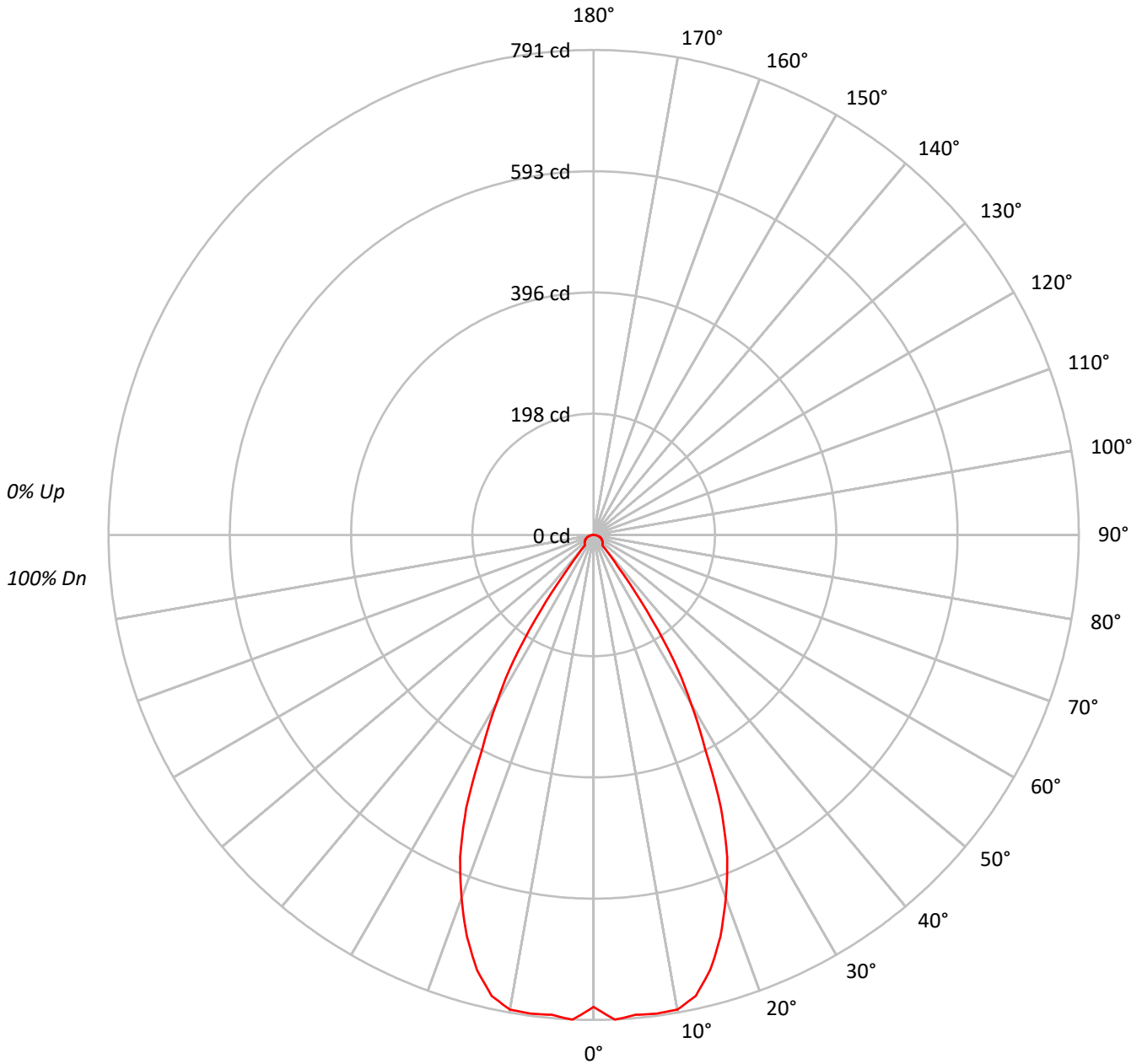
Downlight



TEST NUMBER: P759657

CATALOG NUMBER: LD6D08D010-EU6DR600210IC9035-6LBDP1B

### Luminous Intensity Polar Plot





TEST NUMBER: P759657

CATALOG NUMBER: LD6D08D010-EU6DR600210IC9035-6LBDP1B

**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	63	58	54	62	57	54	61	57	54	53																			

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

	0°
0°	84109
5°	86174
10°	87215
15°	83083
20°	73252
25°	59253
30°	40070
35°	20087
40°	3266
45°	3183
50°	3247
55°	3295
60°	3387
65°	3464
70°	3546
75°	3588
80°	3461
85°	2883

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 3588 cd/sqm



TEST NUMBER: P759657

CATALOG NUMBER: LD6D08D010-EU6DR600210IC9035-6LBDP1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.1	11.6
10°-20°	203.2	31.3
20°-30°	218.6	33.7
30°-40°	95.0	14.7
40°-50°	15.9	2.5
50°-60°	15.5	2.4
60°-70°	13.3	2.0
70°-80°	8.9	1.4
80°-90°	2.7	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°	496.8	76.7
0°-40°	591.9	91.3
0°-60°	623.3	96.2
0°-90°	648.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	648.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	770	
5°	786	75
15°	734	203
25°	492	219
35°	151	95
45°	21	16
55°	17	15
65°	13	13
75°	8	9
85°	2	3
90°	0	



TEST NUMBER: P759657

CATALOG NUMBER: LD6D08D010-EU6DR600210IC9035-6LBDP1B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	769.8
2.5°	791.4
5°	785.7
7.5°	787.5
10°	786.1
12.5°	769.8
15°	734.5
17.5°	687.0
20°	630.0
22.5°	569.0
25°	491.5
27.5°	393.1
30°	317.6
32.5°	244.8
35°	150.6
37.5°	64.4
40°	22.9
42.5°	21.0
45°	20.6
47.5°	19.9
50°	19.1
52.5°	18.2
55°	17.3
57.5°	16.4
60°	15.5
62.5°	14.6
65°	13.4
67.5°	12.3
70°	11.1
72.5°	9.8
75°	8.5
77.5°	7.0
80°	5.5
82.5°	3.9
85°	2.3
87.5°	0.8
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)