

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



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: P772040

Luminaire Tested: LD6D80BD010-EU6DR4070959040-6LBDP1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P772040  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D80BD010-EU6DR4070959040-6LBDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 40° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9511.8 lumens  
Efficiency: N/A  
Efficacy: 120.6 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

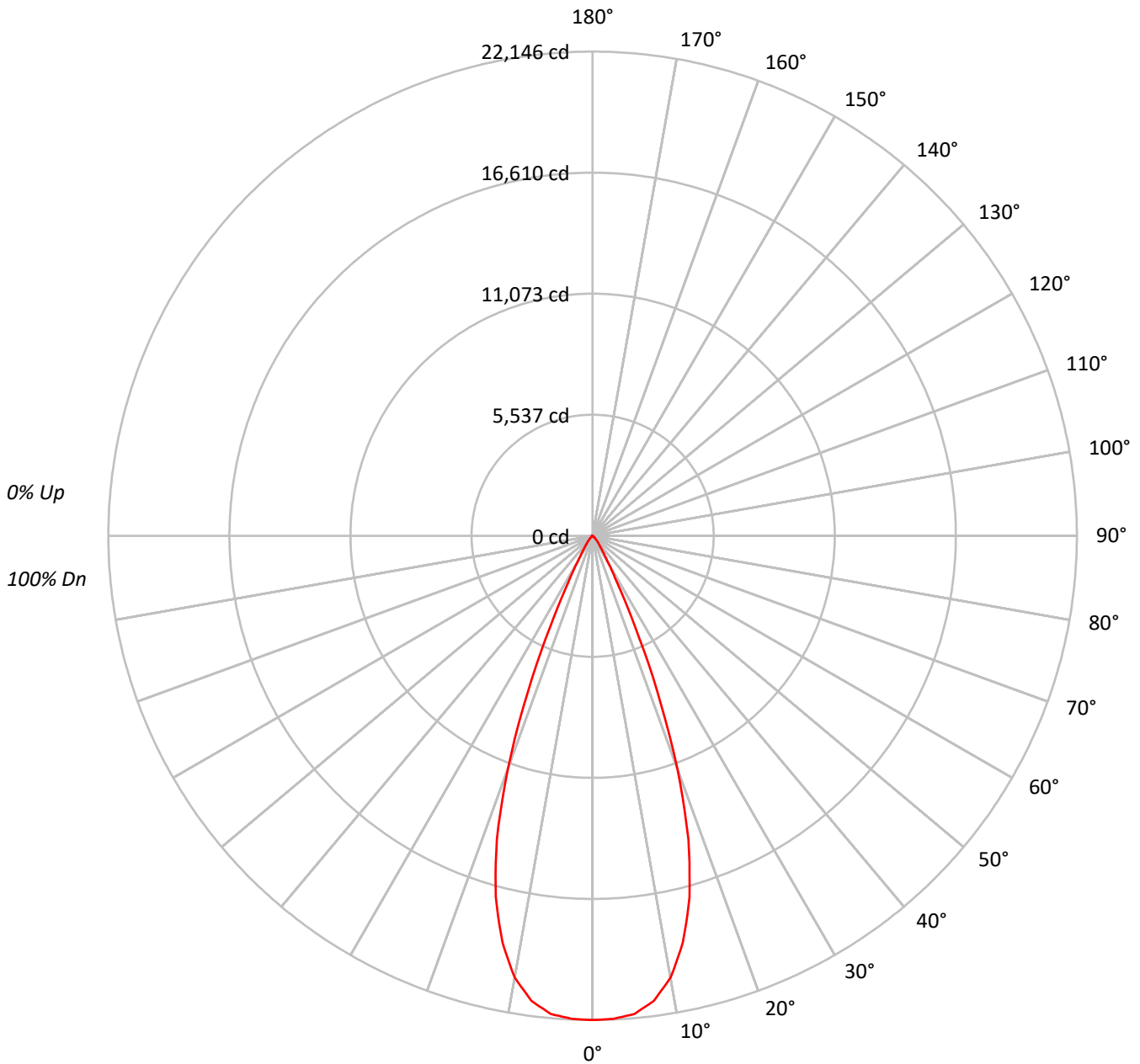
Input Watts (W): 78.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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**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	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96						96													
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92						92													
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88						88													
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84						84													
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81						81													
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77						77													
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74						74													
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72						72													
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69						69													
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67						67													

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

	0°
0°	2419667
5°	2407917
10°	2276007
15°	1934890
20°	1318767
25°	550241
30°	173008
35°	80416
40°	44472
45°	20396
50°	9893
55°	5429
60°	2819
65°	1008
70°	415
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 20396 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2050.0	21.6
10°-20°	4592.5	48.3
20°-30°	2298.9	24.2
30°-40°	421.4	4.4
40°-50°	116.3	1.2
50°-60°	27.3	0.3
60°-70°	5.2	0.1
70°-80°	0.2	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°	8941.3	94.0
0°-40°	9362.8	98.4
0°-60°	9506.4	99.9
0°-90°	9511.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9511.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	22146	
5°	21954	###
15°	17106	4593
25°	4564	2299
35°	603	421
45°	132	116
55°	28	27
65°	4	5
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	22145.8
2.5°	22113.5
5°	21954.4
7.5°	21447.2
10°	20514.5
12.5°	19060.3
15°	17105.5
17.5°	14563.4
20°	11342.0
22.5°	7732.5
25°	4564.2
27.5°	2412.8
30°	1371.3
32.5°	886.2
35°	602.9
37.5°	430.8
40°	311.8
42.5°	213.5
45°	132.0
47.5°	84.1
50°	58.2
52.5°	41.4
55°	28.5
57.5°	18.1
60°	12.9
62.5°	7.8
65°	3.9
67.5°	2.6
70°	1.3
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

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)