

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: P772397

Luminaire Tested: LD6D80BD010-EU6DR6570959027-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P772397  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D80BD010-EU6DR6570959027-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9086.1 lumens  
Efficiency: N/A  
Efficacy: 115.2 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct

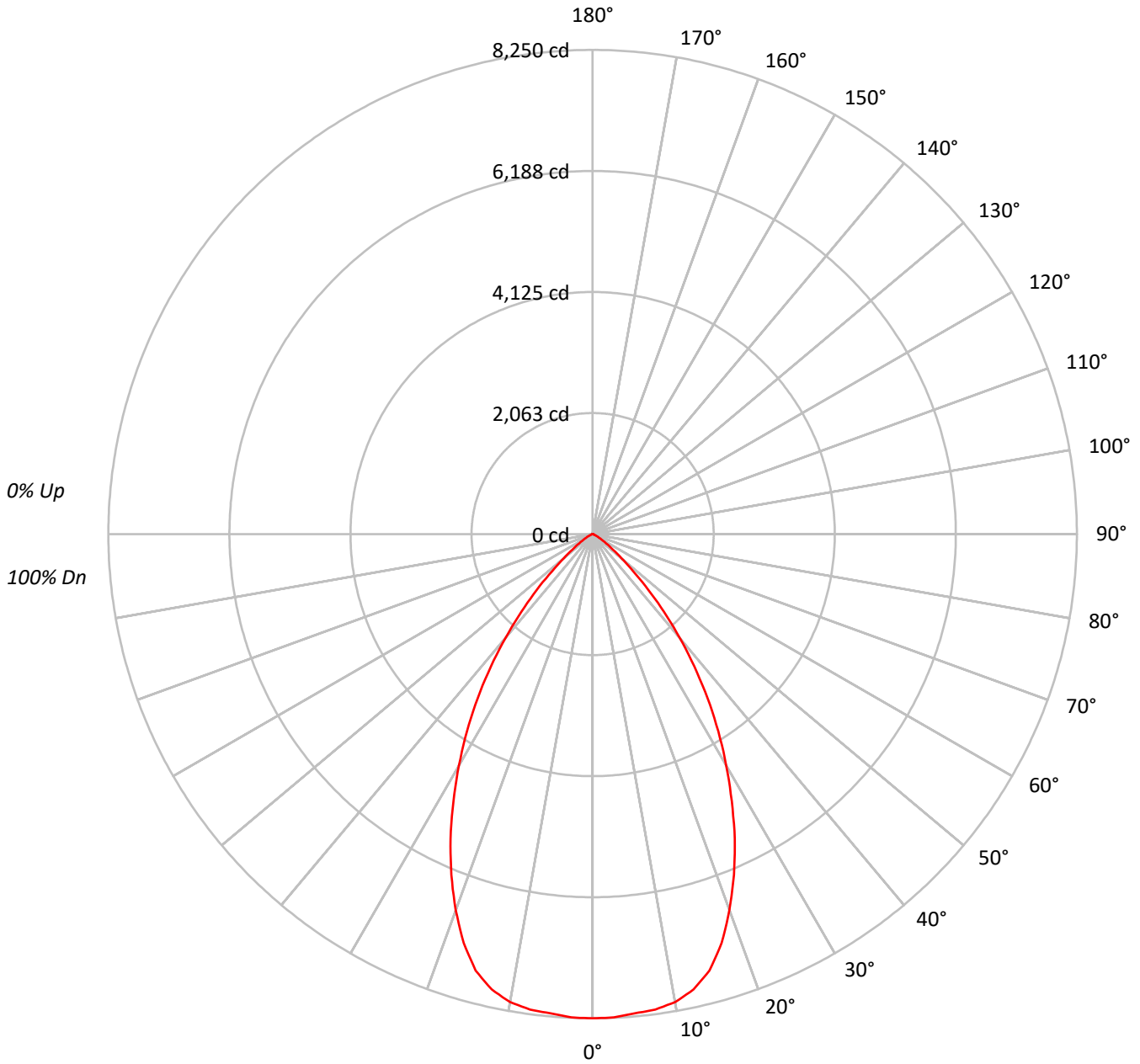
Input Watts (W): 78.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46

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

	0°
0°	481832
5°	480612
10°	480203
15°	465399
20°	423691
25°	369218
30°	307083
35°	243319
40°	175613
45°	110951
50°	57833
55°	30741
60°	16143
65°	8886
70°	3723
75°	4107
80°	2859
85°	2412

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 110951 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	780.2	8.6
10°-20°	2136.4	23.5
20°-30°	2611.5	28.7
30°-40°	2118.8	23.3
40°-50°	1055.9	11.6
50°-60°	294.5	3.2
60°-70°	66.9	0.7
70°-80°	17.4	0.2
80°-90°	4.4	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°	5528.1	60.8
0°-40°	7646.9	84.2
0°-60°	8997.3	99.0
0°-90°	9086.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9086.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8250	
5°	8198	780
15°	7697	2136
25°	5730	2611
35°	3413	2119
45°	1343	1056
55°	302	295
65°	64	67
75°	18	17
85°	4	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8250.0
2.5°	8243.9
5°	8197.8
7.5°	8171.2
10°	8097.2
12.5°	7946.9
15°	7697.1
17.5°	7306.8
20°	6817.0
22.5°	6288.4
25°	5729.5
27.5°	5131.8
30°	4553.5
32.5°	3982.5
35°	3412.7
37.5°	2844.1
40°	2303.4
42.5°	1796.7
45°	1343.3
47.5°	935.9
50°	636.5
52.5°	438.9
55°	301.9
57.5°	203.7
60°	138.2
62.5°	95.8
65°	64.3
67.5°	32.7
70°	21.8
72.5°	20.6
75°	18.2
77.5°	12.1
80°	8.5
82.5°	6.1
85°	3.6
87.5°	2.4
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)