

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: P772411

Luminaire Tested: LD6D80BD010-EU6DR6570959030-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P772411  
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-EU6DR6570959030-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8471.3 lumens  
Efficiency: N/A  
Efficacy: 107.4 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

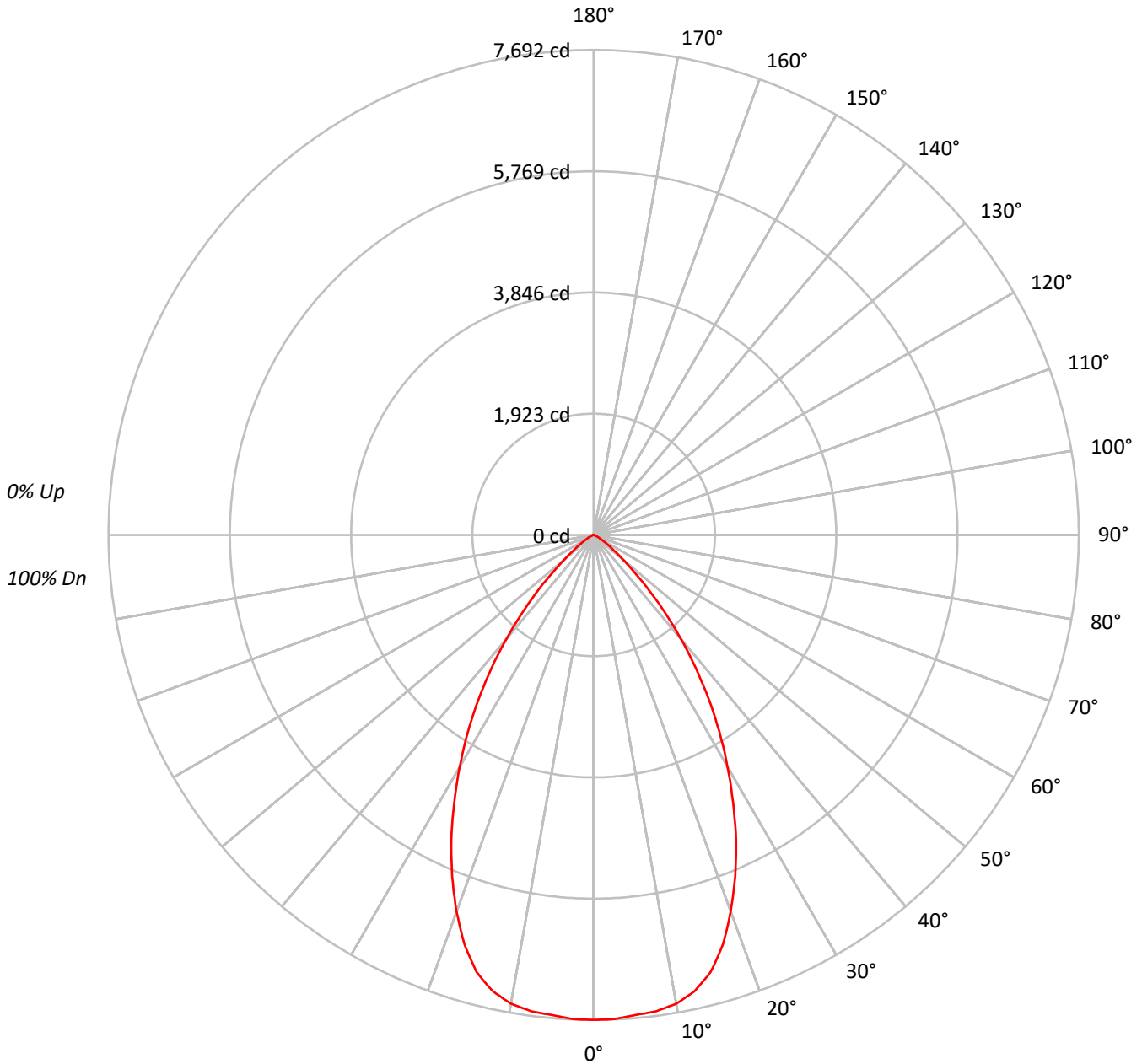


Downlight

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

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

	0°
0°	449219
5°	448086
10°	447704
15°	433903
20°	395014
25°	344234
30°	286305
35°	226856
40°	163735
45°	103443
50°	53916
55°	28653
60°	15057
65°	8278
70°	3466
75°	3836
80°	2657
85°	2278

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 103443 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	727.4	8.6
10°-20°	1991.9	23.5
20°-30°	2434.7	28.7
30°-40°	1975.5	23.3
40°-50°	984.4	11.6
50°-60°	274.6	3.2
60°-70°	62.4	0.7
70°-80°	16.2	0.2
80°-90°	4.2	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°	5154.0	60.8
0°-40°	7129.5	84.2
0°-60°	8388.5	99.0
0°-90°	8471.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8471.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7692	
5°	7643	727
15°	7176	1992
25°	5342	2435
35°	3182	1975
45°	1252	984
55°	281	275
65°	60	62
75°	17	16
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7691.6
2.5°	7686.0
5°	7643.0
7.5°	7618.2
10°	7549.2
12.5°	7409.1
15°	7176.2
17.5°	6812.3
20°	6355.6
22.5°	5862.8
25°	5341.8
27.5°	4784.5
30°	4245.4
32.5°	3713.0
35°	3181.8
37.5°	2651.7
40°	2147.6
42.5°	1675.1
45°	1252.4
47.5°	872.6
50°	593.4
52.5°	409.2
55°	281.4
57.5°	189.9
60°	128.9
62.5°	89.3
65°	59.9
67.5°	30.5
70°	20.3
72.5°	19.2
75°	17.0
77.5°	11.3
80°	7.9
82.5°	5.7
85°	3.4
87.5°	2.3
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)