

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: P772190

Luminaire Tested: LD6D80BD010-EU6DR5070959035-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P772190  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D80BD010-EU6DR5070959035-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 50° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10131.6 lumens  
Efficiency: N/A  
Efficacy: 128.4 lumens/watt  
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

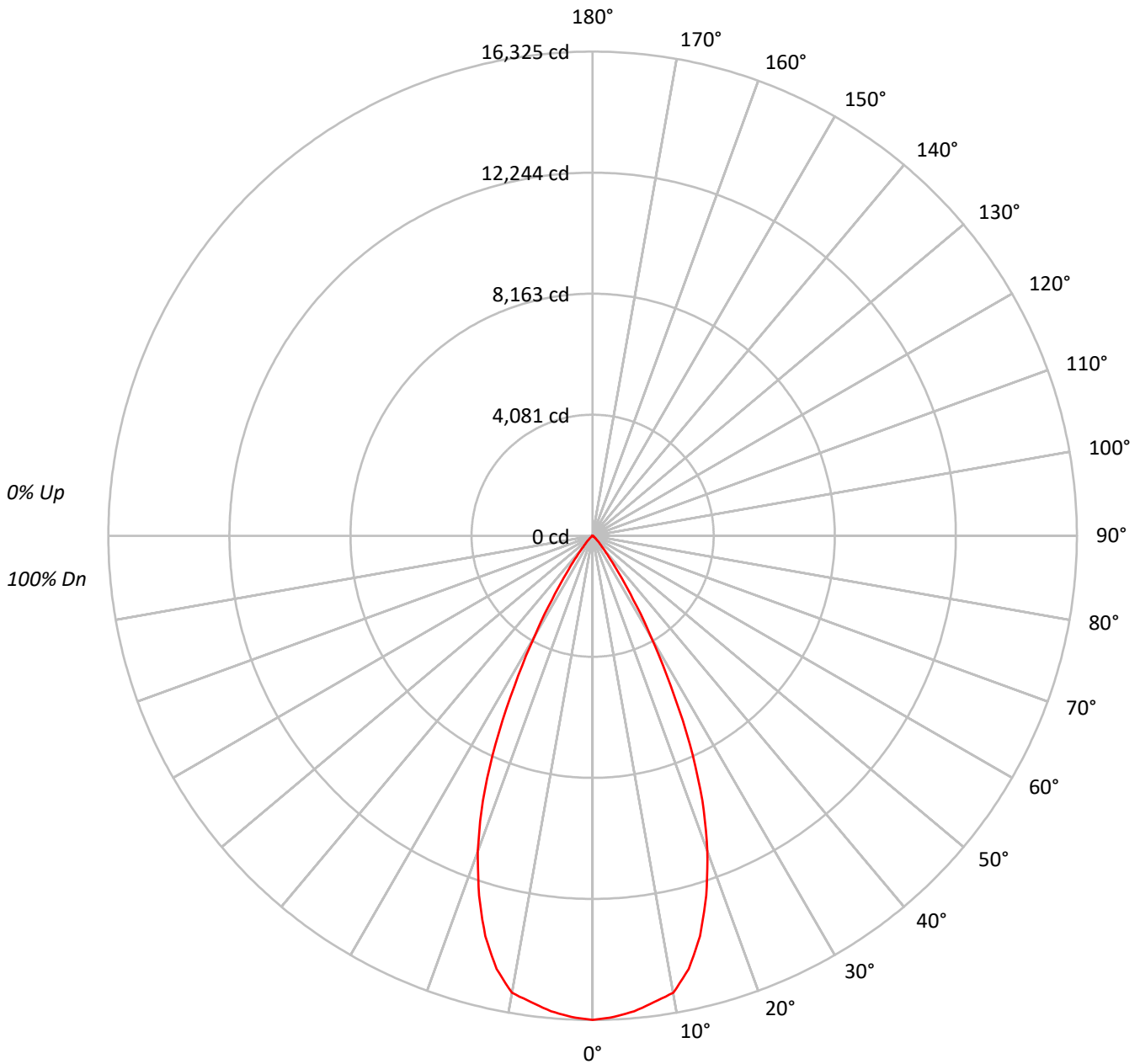
Input Watts (W): 78.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95						95													
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90						90													
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85						85													
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80						80													
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76						76													
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72						72													
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69						69													
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65						65													
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62						62													
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59						59													

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

	0°
0°	1783638
5°	1764940
10°	1735865
15°	1580647
20°	1315279
25°	933657
30°	494182
35°	201381
40°	74795
45°	34241
50°	14040
55°	7334
60°	3606
65°	1060
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 34241 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1521.0	15.0
10°-20°	3843.9	37.9
20°-30°	3452.9	34.1
30°-40°	1081.1	10.7
40°-50°	189.3	1.9
50°-60°	37.7	0.4
60°-70°	5.7	0.1
70°-80°	0.0	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°	8817.8	87.0
0°-40°	9898.9	97.7
0°-60°	10125.9	99.9
0°-90°	10131.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10131.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	16325	
5°	16092	###
15°	13974	3844
25°	7745	3453
35°	1510	1081
45°	222	189
55°	38	38
65°	4	6
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	16324.6
2.5°	16243.4
5°	16092.0
7.5°	15860.8
10°	15646.0
12.5°	14957.9
15°	13973.8
17.5°	12724.1
20°	11312.0
22.5°	9678.3
25°	7744.6
27.5°	5693.8
30°	3917.0
32.5°	2550.3
35°	1509.8
37.5°	867.1
40°	524.4
42.5°	341.3
45°	221.6
47.5°	134.9
50°	82.6
52.5°	56.4
55°	38.5
57.5°	26.2
60°	16.5
62.5°	9.6
65°	4.1
67.5°	1.4
70°	0.0
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

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— 0°-180°

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(END OF REPORT)