

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: P772485

Luminaire Tested: LD6D80BD010-EU6DR7070959030-6LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P772485  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D80BD010-EU6DR7070959030-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7620.6 lumens  
Efficiency: N/A  
Efficacy: 96.6 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

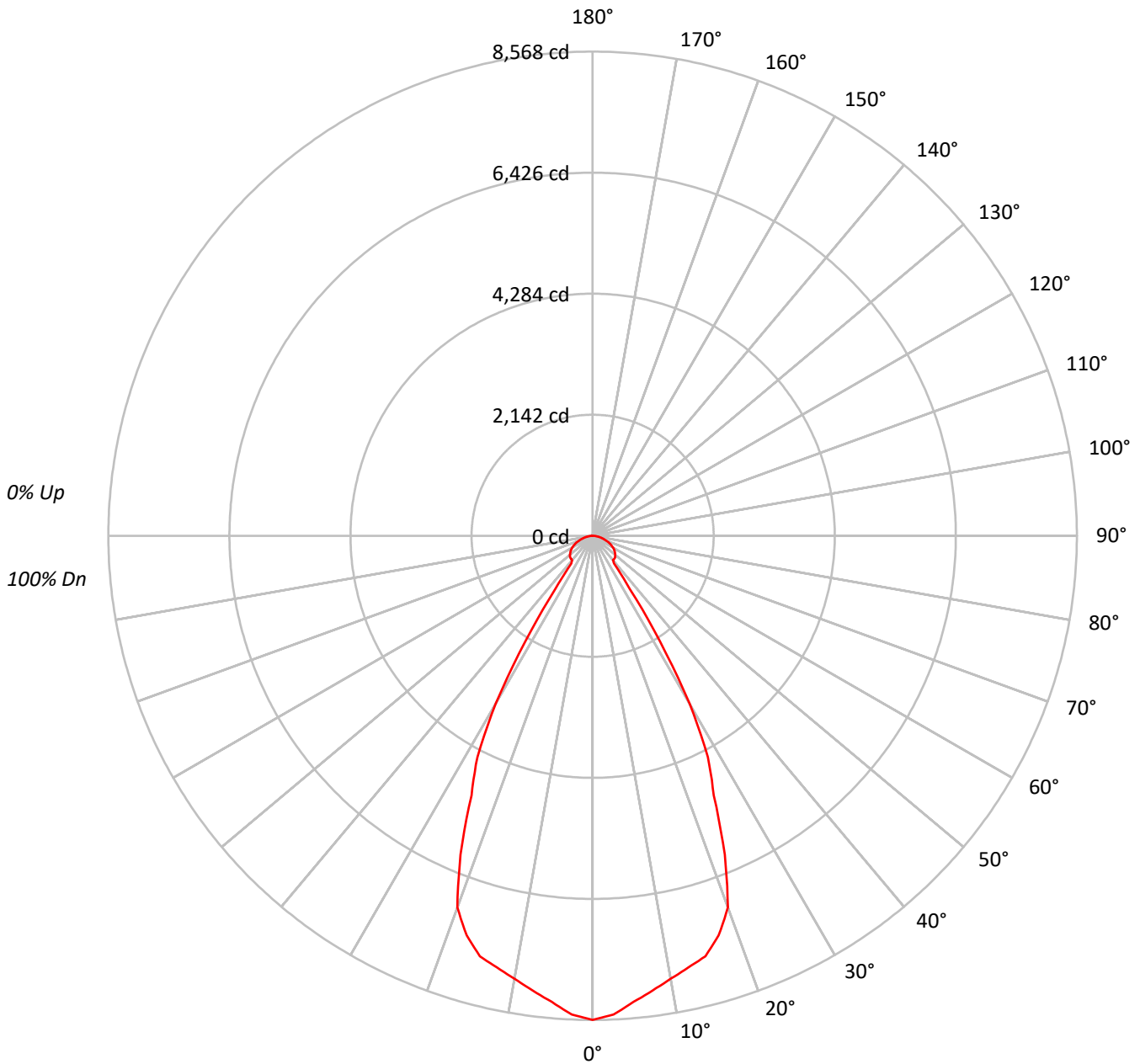
Input Watts (W): 78.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	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	100	100	100	100	100	100	100	100	100																
	1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91	91	91	91	91	91	91	91	91	91	91	91															
	2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83	83	83	83	83	83	83	83	83	83	83	83															
	3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76	76	76	76	76	76	76	76	76	76	76	76															
	4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70	70	70	70	70	70	70	70	70	70	70	70															
	5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65	65	65	65	65	65	65	65	65	65	65	65															
	6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61	61	61	61	61	61	61	61	61	61	61	61															
	7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	57	57	57	57	57	57	57	57	57	57	57															
	8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53	53	53	53	53	53	53	53	53	53	53	53															
	9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50	50	50	50	50	50	50	50	50	50	50	50															
	10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48	48	48	48	48	48	48	48	48	48	48	48															

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

	0°
0°	936113
5°	908299
10°	882988
15°	871393
20°	813701
25°	611291
30°	432135
35°	153070
40°	80486
45°	85727
50°	88780
55°	90445
60°	90992
65°	89090
70°	84081
75°	77887
80°	69150
85°	56162

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 91020 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	781.1	10.3
10°-20°	2142.6	28.1
20°-30°	2359.8	31.0
30°-40°	901.6	11.8
40°-50°	425.7	5.6
50°-60°	423.2	5.6
60°-70°	338.9	4.4
70°-80°	194.8	2.6
80°-90°	52.9	0.7
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°	5283.5	69.3
0°-40°	6185.1	81.2
0°-60°	7034.0	92.3
0°-90°	7620.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7620.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8568	
5°	8282	781
15°	7704	2143
25°	5071	2360
35°	1148	902
45°	555	426
55°	475	423
65°	345	339
75°	184	195
85°	45	53
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8567.7
2.5°	8478.2
5°	8281.5
7.5°	8117.4
10°	7958.7
12.5°	7824.4
15°	7703.6
17.5°	7412.0
20°	6998.2
22.5°	6105.7
25°	5070.6
27.5°	4414.1
30°	3425.2
32.5°	2212.5
35°	1147.6
37.5°	619.9
40°	564.3
42.5°	560.2
45°	554.8
47.5°	542.6
50°	522.3
52.5°	499.2
55°	474.8
57.5°	447.6
60°	416.4
62.5°	381.2
65°	344.6
67.5°	303.9
70°	263.2
72.5°	222.5
75°	184.5
77.5°	145.1
80°	109.9
82.5°	77.3
85°	44.8
87.5°	17.6
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)