

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: P774077

Luminaire Tested: LD6D90BD010-EU6DR7070959040-6LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P774077  
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: LD6D90BD010-EU6DR7070959040-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9588.2 lumens  
Efficiency: N/A  
Efficacy: 96.9 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

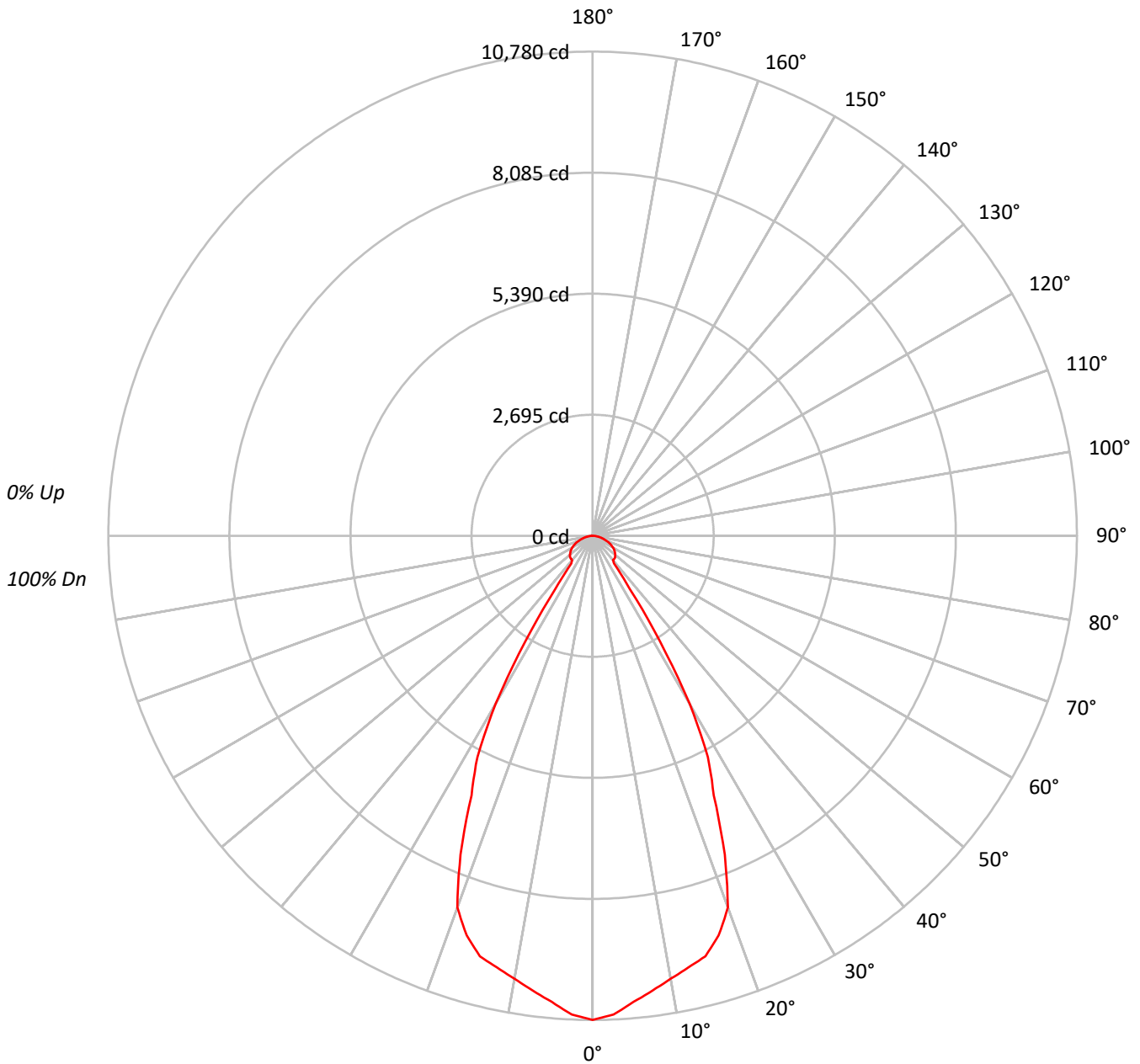
Input Watts (W): 98.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

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

	0°
0°	1177831
5°	1142824
10°	1110972
15°	1096402
20°	1023806
25°	769135
30°	543714
35°	192591
40°	101267
45°	107869
50°	111694
55°	113799
60°	114505
65°	112074
70°	105772
75°	97981
80°	86956
85°	70579

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 114528 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	982.8	10.3
10°-20°	2695.8	28.1
20°-30°	2969.1	31.0
30°-40°	1134.4	11.8
40°-50°	535.6	5.6
50°-60°	532.5	5.6
60°-70°	426.3	4.4
70°-80°	245.0	2.6
80°-90°	66.6	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°	6647.7	69.3
0°-40°	7782.1	81.2
0°-60°	8850.2	92.3
0°-90°	9588.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9588.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10780	
5°	10420	983
15°	9693	2696
25°	6380	2969
35°	1444	1134
45°	698	536
55°	597	533
65°	434	426
75°	232	245
85°	56	67
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10780.0
2.5°	10667.3
5°	10419.8
7.5°	10213.3
10°	10013.6
12.5°	9844.7
15°	9692.8
17.5°	9325.8
20°	8805.2
22.5°	7682.2
25°	6379.9
27.5°	5553.8
30°	4309.6
32.5°	2783.7
35°	1443.9
37.5°	780.0
40°	710.0
42.5°	704.9
45°	698.1
47.5°	682.7
50°	657.1
52.5°	628.1
55°	597.4
57.5°	563.2
60°	524.0
62.5°	479.6
65°	433.5
67.5°	382.3
70°	331.1
72.5°	279.9
75°	232.1
77.5°	182.6
80°	138.2
82.5°	97.3
85°	56.3
87.5°	22.2
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)