

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: P774038

Luminaire Tested: LD6D90BD010-EU6DR7070959027-6LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P774038  
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-EU6DR7070959027-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8798.7 lumens  
Efficiency: N/A  
Efficacy: 89.0 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

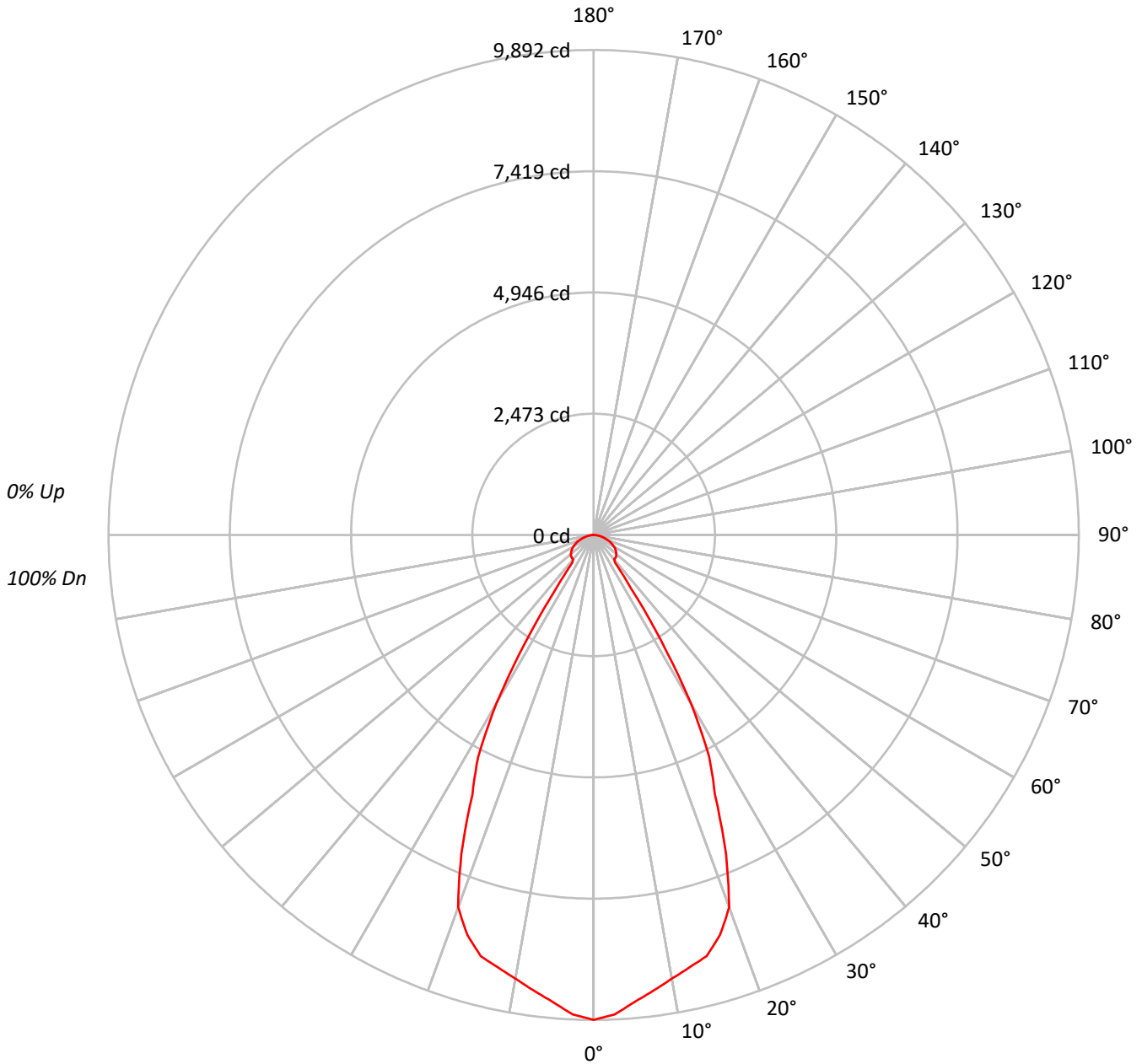
Input Watts (W): 98.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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°	1080829
5°	1048709
10°	1019485
15°	1006102
20°	939496
25°	705795
30°	498939
35°	176732
40°	92923
45°	98984
50°	102498
55°	104427
60°	105065
65°	102844
70°	97051
75°	89918
80°	79846
85°	64812

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 105112 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	901.9	10.3
10°-20°	2473.8	28.1
20°-30°	2724.6	31.0
30°-40°	1041.0	11.8
40°-50°	491.5	5.6
50°-60°	488.7	5.6
60°-70°	391.2	4.4
70°-80°	224.9	2.6
80°-90°	61.2	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°	6100.2	69.3
0°-40°	7141.2	81.2
0°-60°	8121.4	92.3
0°-90°	8798.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8798.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9892	
5°	9562	902
15°	8894	2474
25°	5854	2725
35°	1325	1041
45°	641	492
55°	548	489
65°	398	391
75°	213	225
85°	52	61
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9892.2
2.5°	9788.8
5°	9561.7
7.5°	9372.2
10°	9189.0
12.5°	9033.9
15°	8894.5
17.5°	8557.8
20°	8080.1
22.5°	7049.5
25°	5854.5
27.5°	5096.5
30°	3954.7
32.5°	2554.5
35°	1325.0
37.5°	715.8
40°	651.5
42.5°	646.8
45°	640.6
47.5°	626.5
50°	603.0
52.5°	576.4
55°	548.2
57.5°	516.9
60°	480.8
62.5°	440.1
65°	397.8
67.5°	350.8
70°	303.8
72.5°	256.9
75°	213.0
77.5°	167.6
80°	126.9
82.5°	89.3
85°	51.7
87.5°	20.4
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)