

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: P774084

Luminaire Tested: LD6D90BD010-EU6DR7070959050-6LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P774084  
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-EU6DR7070959050-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9168.7 lumens  
Efficiency: N/A  
Efficacy: 92.7 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

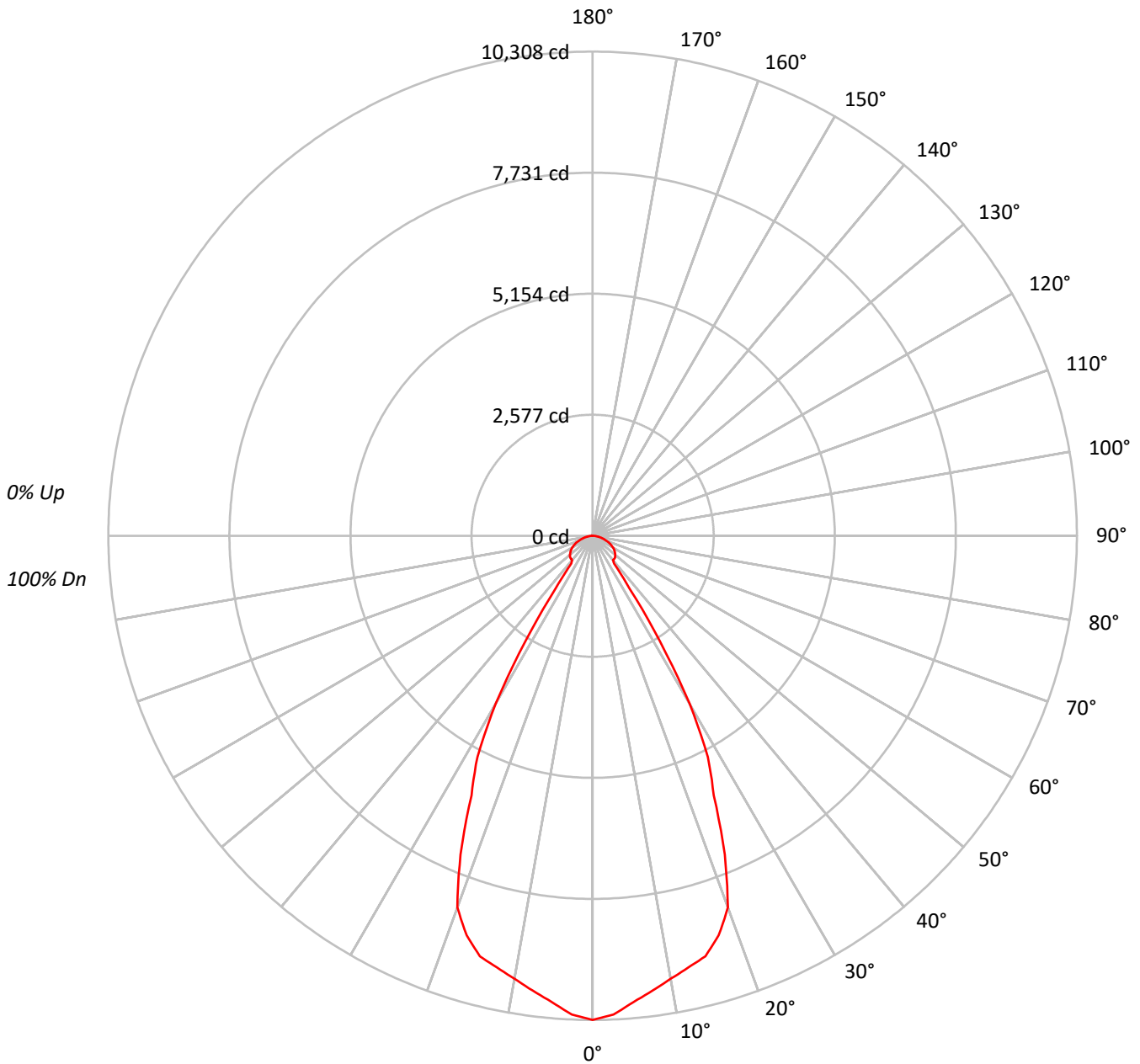
Input Watts (W): 98.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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				
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°	1126293
5°	1092822
10°	1062355
15°	1048418
20°	979006
25°	735475
30°	519920
35°	184162
40°	96831
45°	103141
50°	106815
55°	108808
60°	109501
65°	107162
70°	101140
75°	93718
80°	83181
85°	67570

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 109525 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	939.8	10.3
10°-20°	2577.9	28.1
20°-30°	2839.1	31.0
30°-40°	1084.8	11.8
40°-50°	512.2	5.6
50°-60°	509.2	5.6
60°-70°	407.7	4.4
70°-80°	234.3	2.6
80°-90°	63.7	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°	6356.8	69.3
0°-40°	7441.5	81.2
0°-60°	8463.0	92.3
0°-90°	9168.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9168.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10308	
5°	9964	940
15°	9269	2578
25°	6101	2839
35°	1381	1085
45°	668	512
55°	571	509
65°	414	408
75°	222	234
85°	54	64
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	10308.3
2.5°	10200.5
5°	9963.9
7.5°	9766.4
10°	9575.4
12.5°	9413.9
15°	9268.6
17.5°	8917.7
20°	8419.9
22.5°	7346.0
25°	6100.7
27.5°	5310.8
30°	4121.0
32.5°	2661.9
35°	1380.7
37.5°	745.9
40°	678.9
42.5°	674.1
45°	667.5
47.5°	652.8
50°	628.4
52.5°	600.6
55°	571.2
57.5°	538.6
60°	501.1
62.5°	458.6
65°	414.5
67.5°	365.6
70°	316.6
72.5°	267.7
75°	222.0
77.5°	174.6
80°	132.2
82.5°	93.0
85°	53.9
87.5°	21.2
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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Scaled Data Report



(END OF REPORT)