

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P774009

Luminaire Tested: LD6D90BD010-EU6DR6570959050-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P774009  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D90BD010-EU6DR6570959050-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11262.3 lumens  
Efficiency: N/A  
Efficacy: 113.9 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct

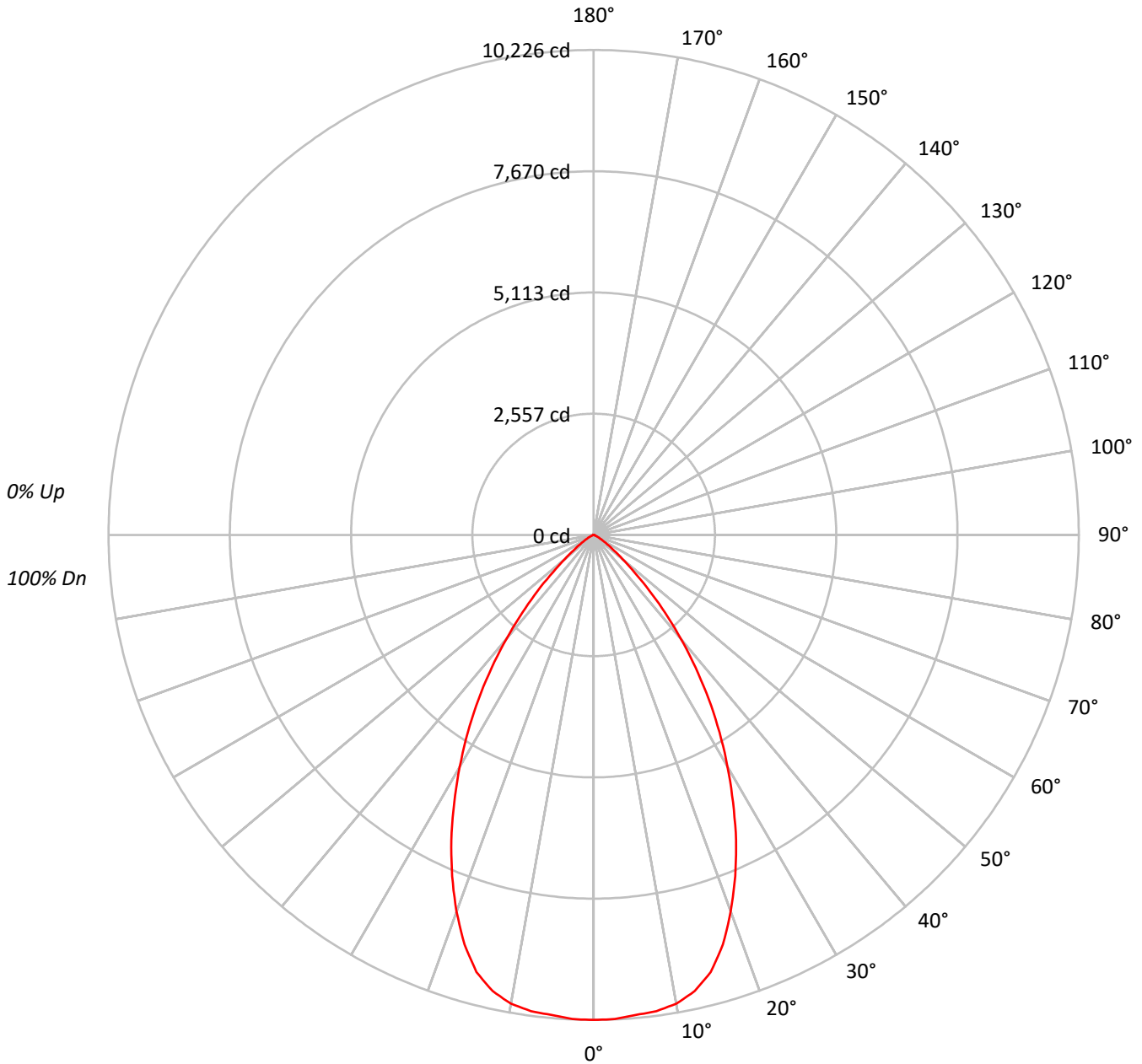
Input Watts (W): 98.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
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				100															
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93				93															
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85				85															
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78				78															
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72				72															
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66				66															
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61				61															
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56				56															
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52				52															
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49				49															
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46				46															

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

	0°
0°	597232
5°	595726
10°	595219
15°	576870
20°	525167
25°	457651
30°	380639
35°	301598
40°	217675
45°	137522
50°	71680
55°	38103
60°	20009
65°	11000
70°	4611
75°	5077
80°	3532
85°	3015

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 137522 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	967.0	8.6
10°-20°	2648.1	23.5
20°-30°	3236.9	28.7
30°-40°	2626.3	23.3
40°-50°	1308.8	11.6
50°-60°	365.1	3.2
60°-70°	82.9	0.7
70°-80°	21.6	0.2
80°-90°	5.5	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°	6852.1	60.8
0°-40°	9478.5	84.2
0°-60°	11152.3	99.0
0°-90°	11262.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11262.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10226	
5°	10161	967
15°	9541	2648
25°	7102	3237
35°	4230	2626
45°	1665	1309
55°	374	365
65°	80	83
75°	22	22
85°	4	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	10225.9
2.5°	10218.4
5°	10161.3
7.5°	10128.2
10°	10036.6
12.5°	9850.2
15°	9540.7
17.5°	9056.8
20°	8449.7
22.5°	7794.5
25°	7101.8
27.5°	6360.9
30°	5644.2
32.5°	4936.4
35°	4230.1
37.5°	3525.3
40°	2855.1
42.5°	2227.0
45°	1665.0
47.5°	1160.1
50°	788.9
52.5°	544.0
55°	374.2
57.5°	252.5
60°	171.3
62.5°	118.7
65°	79.6
67.5°	40.6
70°	27.0
72.5°	25.5
75°	22.5
77.5°	15.0
80°	10.5
82.5°	7.5
85°	4.5
87.5°	3.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)