

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: P773994

Luminaire Tested: LD6D90BD010-EU6DR6570959040-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773994  
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-EU6DR6570959040-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

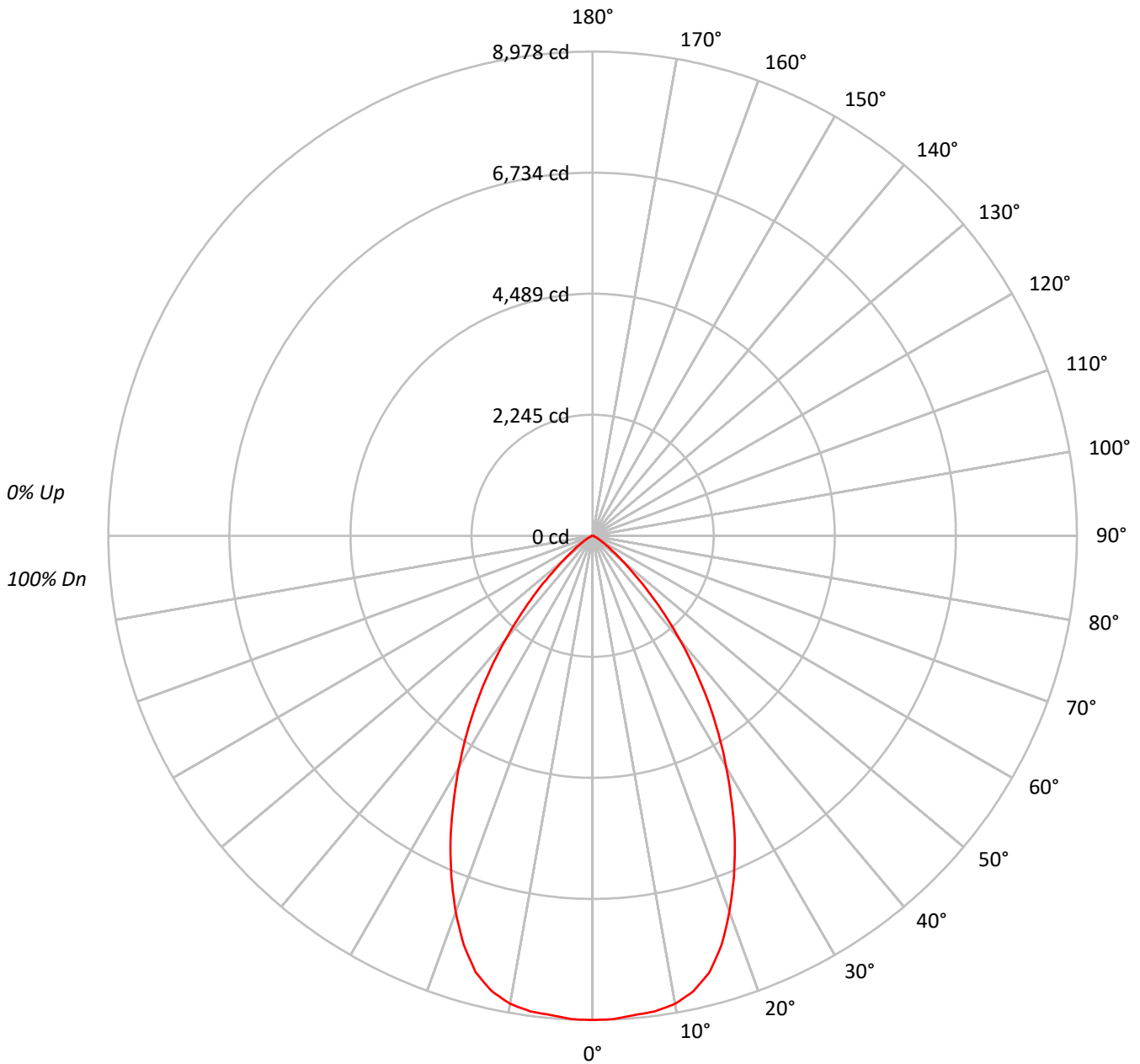
Lumens per Lamp: N/A  
Luminaire Lumens: 9888.0 lumens  
Efficiency: N/A  
Efficacy: 100.0 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 98.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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																			
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

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

	0°
0°	524356
5°	523035
10°	522588
15°	506478
20°	461088
25°	401806
30°	334187
35°	264793
40°	191121
45°	120738
50°	62939
55°	33449
60°	17568
65°	9660
70°	4047
75°	4468
80°	3094
85°	2680

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 120738 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	849.0	8.6
10°-20°	2325.0	23.5
20°-30°	2842.0	28.7
30°-40°	2305.9	23.3
40°-50°	1149.1	11.6
50°-60°	320.5	3.2
60°-70°	72.8	0.7
70°-80°	18.9	0.2
80°-90°	4.8	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°	6016.0	60.8
0°-40°	8321.9	84.2
0°-60°	9791.4	99.0
0°-90°	9888.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9888.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8978	
5°	8921	849
15°	8376	2325
25°	6235	2842
35°	3714	2306
45°	1462	1149
55°	328	320
65°	70	73
75°	20	19
85°	4	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8978.1
2.5°	8971.5
5°	8921.4
7.5°	8892.4
10°	8811.9
12.5°	8648.3
15°	8376.5
17.5°	7951.7
20°	7418.7
22.5°	6843.4
25°	6235.2
27.5°	5584.8
30°	4955.4
32.5°	4334.0
35°	3713.9
37.5°	3095.2
40°	2506.8
42.5°	1955.3
45°	1461.8
47.5°	1018.5
50°	692.7
52.5°	477.6
55°	328.5
57.5°	221.6
60°	150.4
62.5°	104.2
65°	69.9
67.5°	35.6
70°	23.7
72.5°	22.4
75°	19.8
77.5°	13.2
80°	9.2
82.5°	6.6
85°	4.0
87.5°	2.6
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)