

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: P773970

Luminaire Tested: LD6D90BD010-EU6DR6570959030-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773970
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-EU6DR6570959030-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10571.7 lumens
Efficiency: N/A
Efficacy: 106.9 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_{in}): 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

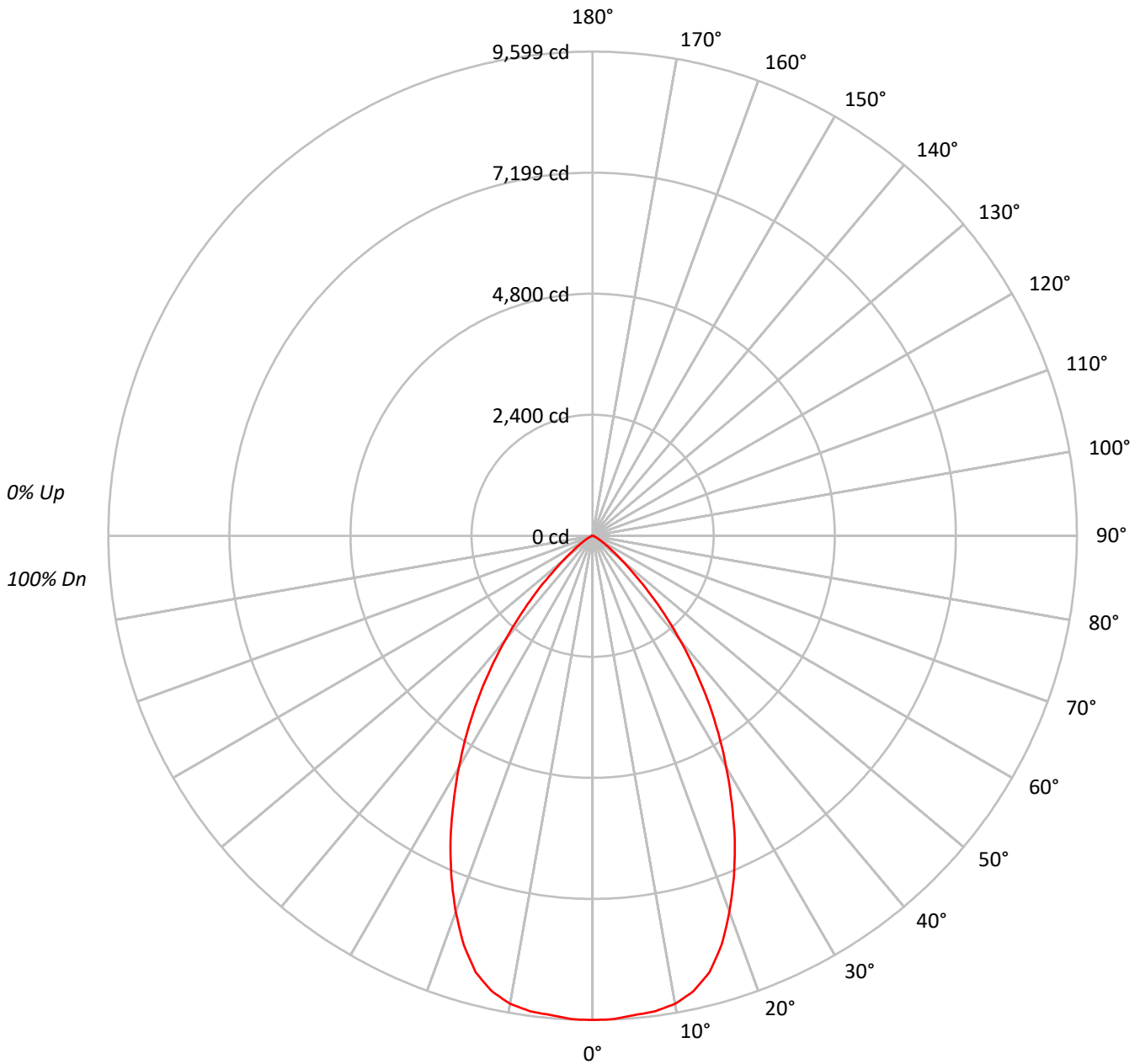


Downlight

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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°	560607
5°	559190
10°	558717
15°	541493
20°	492959
25°	429587
30°	357292
35°	283103
40°	204325
45°	129089
50°	67282
55°	35761
60°	18783
65°	10337
70°	4337
75°	4784
80°	3330
85°	2814

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 129089 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	907.7	8.6
10°-20°	2485.7	23.5
20°-30°	3038.4	28.7
30°-40°	2465.3	23.3
40°-50°	1228.5	11.6
50°-60°	342.6	3.2
60°-70°	77.9	0.7
70°-80°	20.3	0.2
80°-90°	5.2	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°	6431.9	60.8
0°-40°	8897.2	84.2
0°-60°	10468.3	99.0
0°-90°	10571.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10571.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9599	
5°	9538	908
15°	8956	2486
25°	6666	3038
35°	3971	2465
45°	1563	1228
55°	351	343
65°	75	78
75°	21	20
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9598.8
2.5°	9591.7
5°	9538.1
7.5°	9507.1
10°	9421.1
12.5°	9246.1
15°	8955.6
17.5°	8501.4
20°	7931.5
22.5°	7316.5
25°	6666.3
27.5°	5970.9
30°	5298.0
32.5°	4633.7
35°	3970.7
37.5°	3309.1
40°	2680.0
42.5°	2090.4
45°	1562.9
47.5°	1088.9
50°	740.5
52.5°	510.6
55°	351.2
57.5°	237.0
60°	160.8
62.5°	111.4
65°	74.8
67.5°	38.1
70°	25.4
72.5°	24.0
75°	21.2
77.5°	14.1
80°	9.9
82.5°	7.1
85°	4.2
87.5°	2.8
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)