

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: P773943

Luminaire Tested: LD6D90BD010-EU6DR6570959024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773943
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-EU6DR6570959024-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8627.4 lumens
Efficiency: N/A
Efficacy: 87.2 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

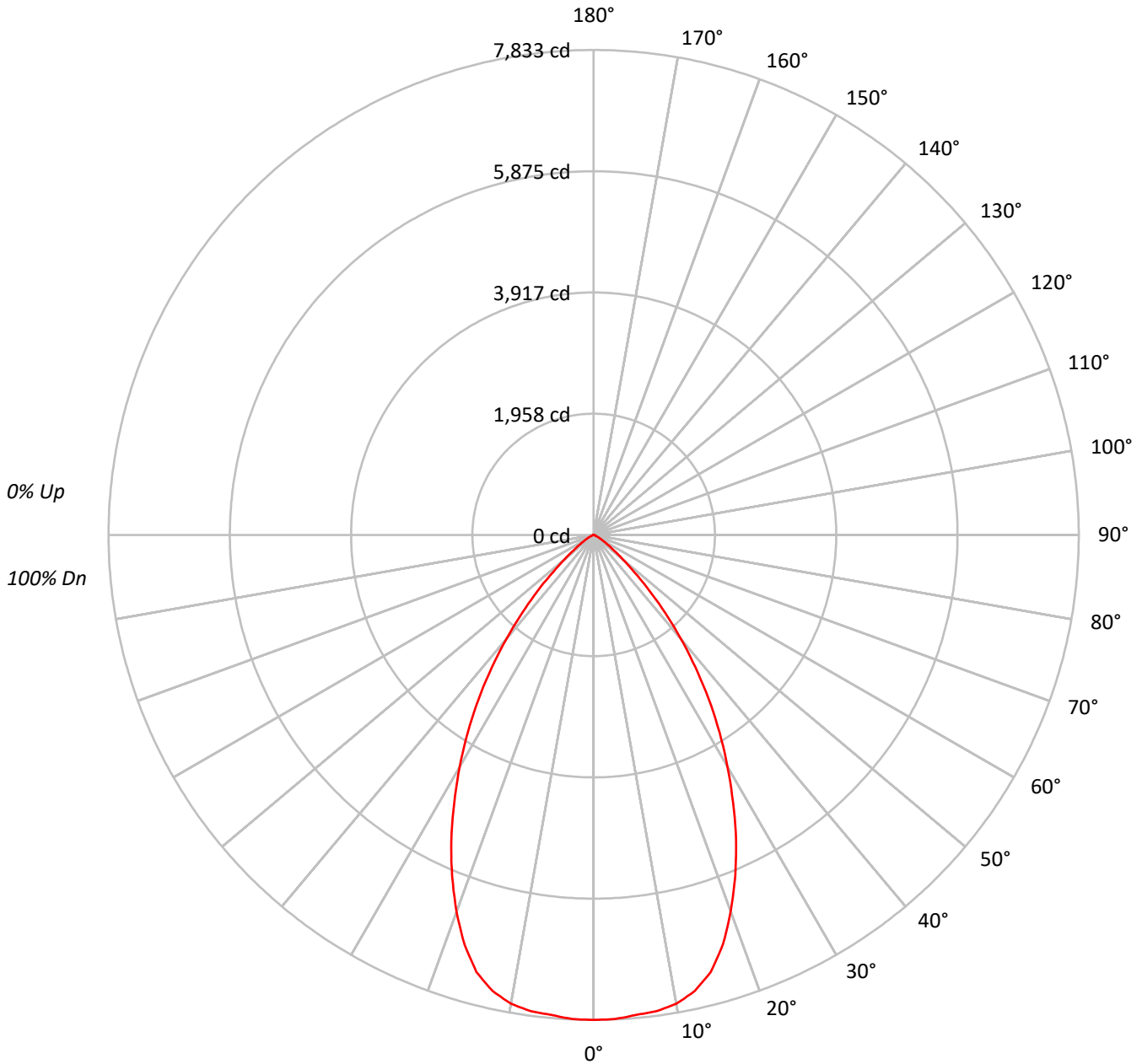
Input Watts (W): 98.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	457501
5°	456346
10°	455959
15°	441902
20°	402298
25°	350575
30°	291579
35°	231034
40°	166746
45°	105342
50°	54907
55°	29183
60°	15325
65°	8430
70°	3535
75°	3904
80°	2724
85°	2345

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 105342 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	740.8	8.6
10°-20°	2028.6	23.5
20°-30°	2479.6	28.7
30°-40°	2011.9	23.3
40°-50°	1002.6	11.6
50°-60°	279.6	3.2
60°-70°	63.5	0.7
70°-80°	16.6	0.2
80°-90°	4.3	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°	5249.0	60.8
0°-40°	7260.8	84.2
0°-60°	8543.0	99.0
0°-90°	8627.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8627.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7833	
5°	7784	741
15°	7308	2029
25°	5440	2480
35°	3240	2012
45°	1275	1003
55°	287	280
65°	61	64
75°	17	17
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7833.4
2.5°	7827.7
5°	7783.9
7.5°	7758.6
10°	7688.4
12.5°	7545.6
15°	7308.5
17.5°	6937.8
20°	6472.8
22.5°	5970.9
25°	5440.2
27.5°	4872.7
30°	4323.6
32.5°	3781.5
35°	3240.4
37.5°	2700.5
40°	2187.1
42.5°	1706.0
45°	1275.4
47.5°	888.7
50°	604.3
52.5°	416.7
55°	286.6
57.5°	193.4
60°	131.2
62.5°	90.9
65°	61.0
67.5°	31.1
70°	20.7
72.5°	19.6
75°	17.3
77.5°	11.5
80°	8.1
82.5°	5.8
85°	3.5
87.5°	2.3
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)