

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: P772409

Luminaire Tested: LD6D80BD010-EU6DR6570959030-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772409
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: LD6D80BD010-EU6DR6570959030-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-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: 8915.0 lumens
Efficiency: N/A
Efficacy: 113.0 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

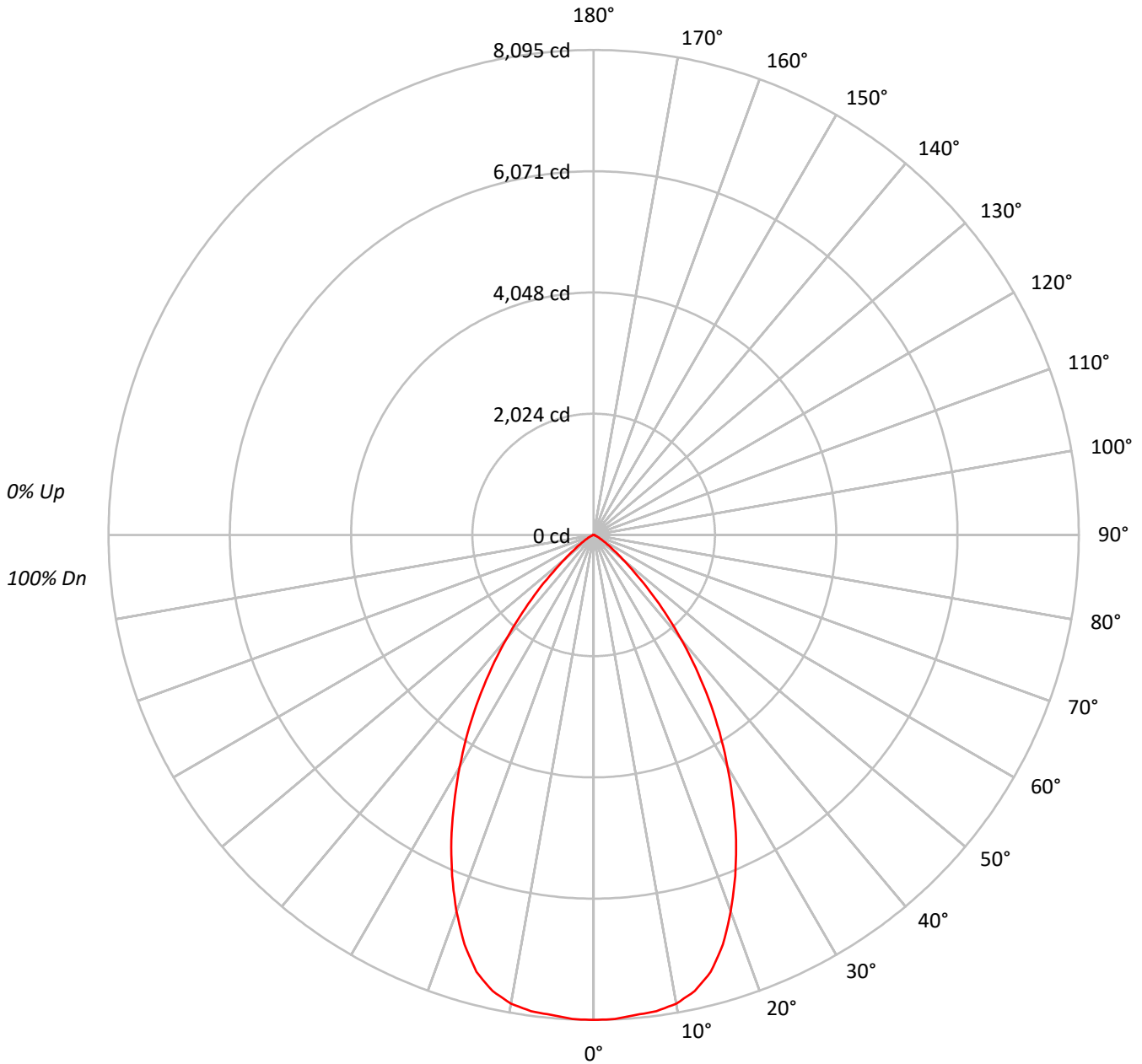
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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			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°	472756
5°	471560
10°	471159
15°	456631
20°	415711
25°	362265
30°	301304
35°	238734
40°	172312
45°	108861
50°	56742
55°	30160
60°	15839
65°	8706
70°	3654
75°	4017
80°	2792
85°	2412

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 108861 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	765.5	8.6
10°-20°	2096.2	23.5
20°-30°	2562.3	28.7
30°-40°	2079.0	23.3
40°-50°	1036.0	11.6
50°-60°	289.0	3.2
60°-70°	65.7	0.7
70°-80°	17.1	0.2
80°-90°	4.4	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°	5424.0	60.8
0°-40°	7502.9	84.2
0°-60°	8827.9	99.0
0°-90°	8915.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8915.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8095	
5°	8043	765
15°	7552	2096
25°	5622	2562
35°	3348	2079
45°	1318	1036
55°	296	289
65°	63	66
75°	18	17
85°	4	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8094.6
2.5°	8088.6
5°	8043.4
7.5°	8017.2
10°	7944.7
12.5°	7797.2
15°	7552.1
17.5°	7169.1
20°	6688.6
22.5°	6169.9
25°	5621.6
27.5°	5035.2
30°	4467.8
32.5°	3907.5
35°	3348.4
37.5°	2790.6
40°	2260.1
42.5°	1762.8
45°	1318.0
47.5°	918.3
50°	624.5
52.5°	430.6
55°	296.2
57.5°	199.8
60°	135.6
62.5°	94.0
65°	63.0
67.5°	32.1
70°	21.4
72.5°	20.2
75°	17.8
77.5°	11.9
80°	8.3
82.5°	5.9
85°	3.6
87.5°	2.4
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)