

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: P772383

Luminaire Tested: LD6D80BD010-EU6DR6570959024-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P772383
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-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: 7639.1 lumens
Efficiency: N/A
Efficacy: 96.8 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

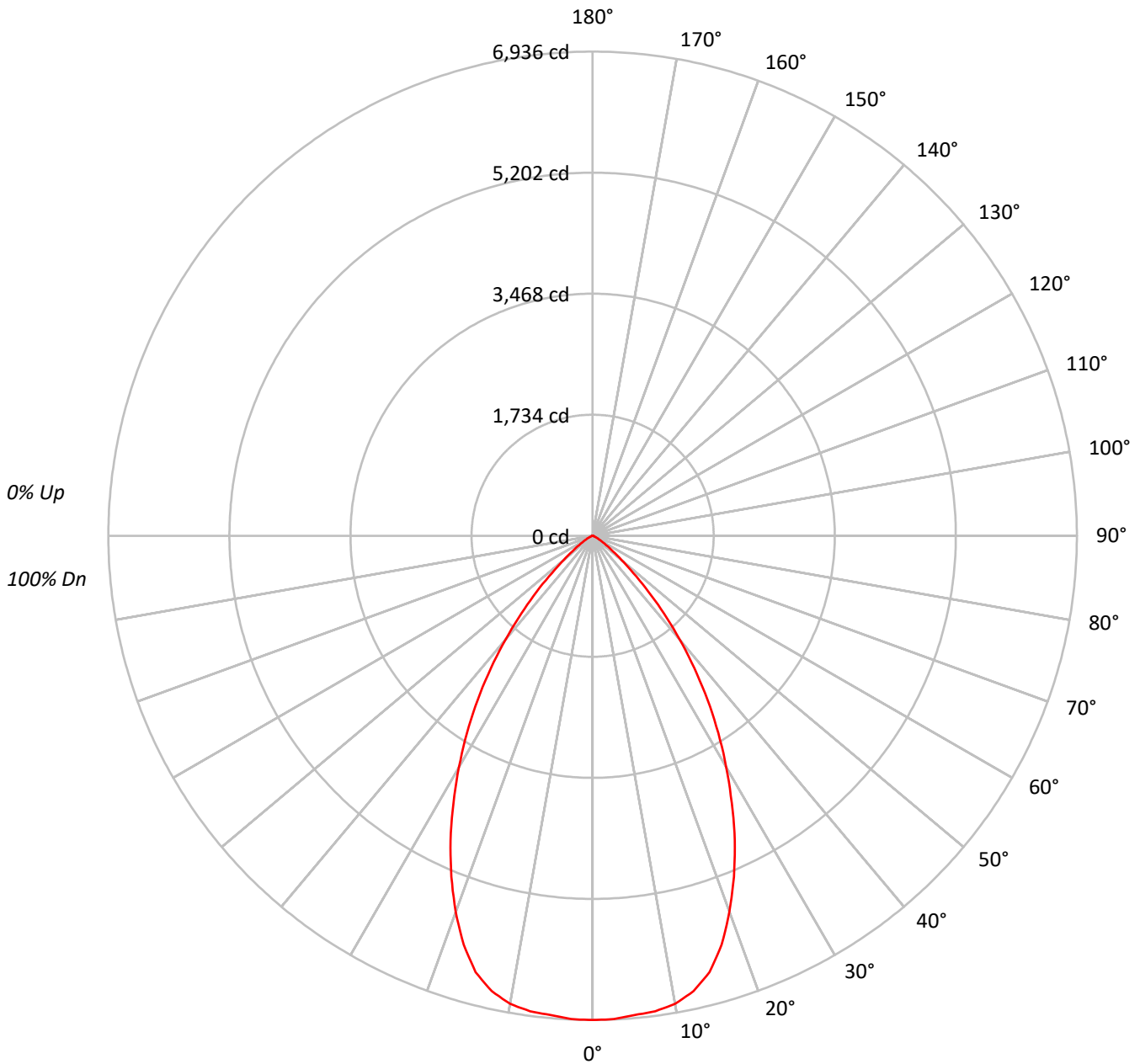
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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	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°	405095
5°	404075
10°	403730
15°	391282
20°	356219
25°	310421
30°	258183
35°	204568
40°	147648
45°	93283
50°	48619
55°	25843
60°	13573
65°	7463
70°	3125
75°	3453
80°	2388
85°	2077

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 93283 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	655.9	8.6
10°-20°	1796.2	23.5
20°-30°	2195.6	28.7
30°-40°	1781.4	23.3
40°-50°	887.7	11.6
50°-60°	247.6	3.2
60°-70°	56.2	0.7
70°-80°	14.6	0.2
80°-90°	3.7	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°	4647.7	60.8
0°-40°	6429.2	84.2
0°-60°	7564.5	99.0
0°-90°	7639.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7639.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6936	
5°	6892	656
15°	6471	1796
25°	4817	2196
35°	2869	1781
45°	1129	888
55°	254	248
65°	54	56
75°	15	15
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6936.1
2.5°	6931.0
5°	6892.3
7.5°	6869.9
10°	6807.7
12.5°	6681.3
15°	6471.3
17.5°	6143.1
20°	5731.4
22.5°	5287.0
25°	4817.1
27.5°	4314.6
30°	3828.4
32.5°	3348.3
35°	2869.2
37.5°	2391.2
40°	1936.6
42.5°	1510.6
45°	1129.4
47.5°	786.9
50°	535.1
52.5°	369.0
55°	253.8
57.5°	171.2
60°	116.2
62.5°	80.5
65°	54.0
67.5°	27.5
70°	18.3
72.5°	17.3
75°	15.3
77.5°	10.2
80°	7.1
82.5°	5.1
85°	3.1
87.5°	2.0
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)