

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: P773203

Luminaire Tested: LD6D85BD010-EU6DR6570959035-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773203
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: LD6D85BD010-EU6DR6570959035-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10070.1 lumens
Efficiency: N/A
Efficacy: 114.8 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

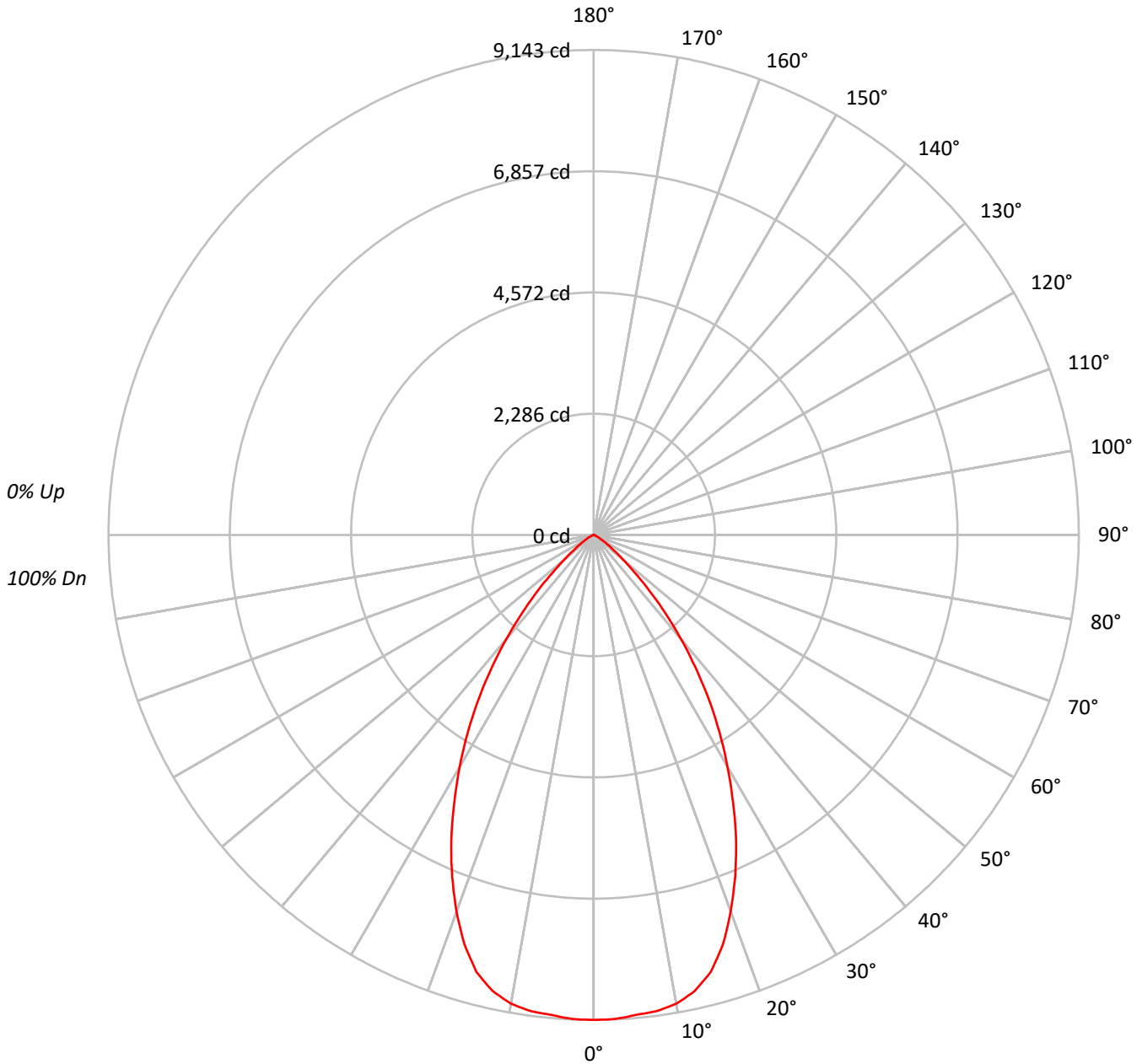
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	534010
5°	532661
10°	532208
15°	515801
20°	469572
25°	409204
30°	340344
35°	269670
40°	194635
45°	122960
50°	64093
55°	34070
60°	17895
65°	9840
70°	4132
75°	4558
80°	3162
85°	2680

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 122960 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	864.7	8.6
10°-20°	2367.8	23.5
20°-30°	2894.3	28.7
30°-40°	2348.3	23.3
40°-50°	1170.2	11.6
50°-60°	326.4	3.2
60°-70°	74.2	0.7
70°-80°	19.3	0.2
80°-90°	4.9	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°	6126.8	60.8
0°-40°	8475.1	84.2
0°-60°	9971.7	99.0
0°-90°	10070.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10070.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9143	
5°	9086	865
15°	8531	2368
25°	6350	2894
35°	3782	2348
45°	1489	1170
55°	335	326
65°	71	74
75°	20	19
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9143.4
2.5°	9136.7
5°	9085.6
7.5°	9056.1
10°	8974.1
12.5°	8807.5
15°	8530.7
17.5°	8098.1
20°	7555.2
22.5°	6969.4
25°	6350.0
27.5°	5687.6
30°	5046.7
32.5°	4413.8
35°	3782.3
37.5°	3152.2
40°	2552.9
42.5°	1991.3
45°	1488.7
47.5°	1037.3
50°	705.4
52.5°	486.4
55°	334.6
57.5°	225.7
60°	153.2
62.5°	106.1
65°	71.2
67.5°	36.3
70°	24.2
72.5°	22.8
75°	20.2
77.5°	13.4
80°	9.4
82.5°	6.7
85°	4.0
87.5°	2.7
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)