

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: P773202

Luminaire Tested: LD6D85BD010-EU6DR6570959035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773202
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-EU6DR6570959035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-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: 9590.6 lumens
Efficiency: N/A
Efficacy: 109.4 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

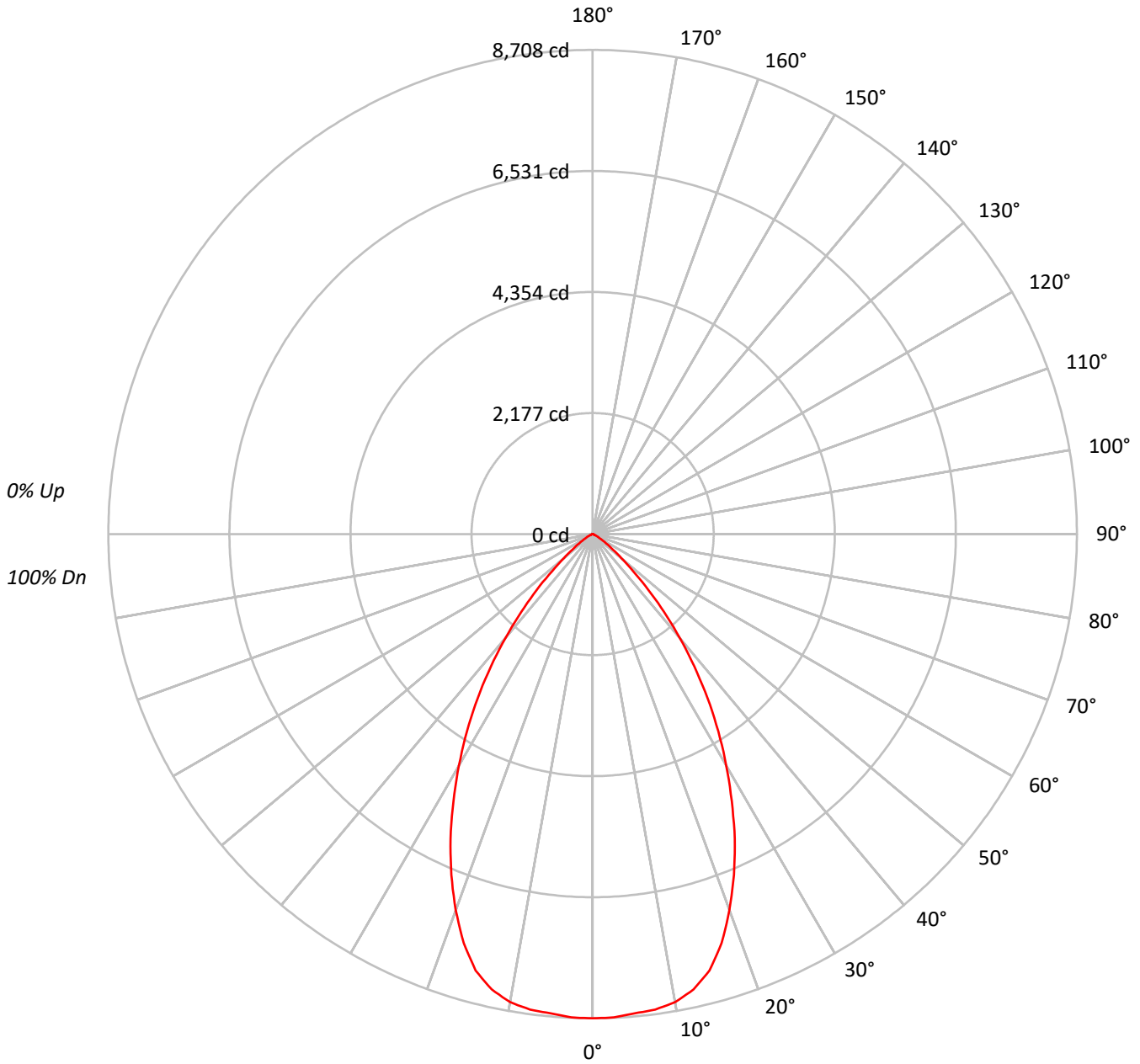
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	508581
5°	507299
10°	506867
15°	491241
20°	447215
25°	389717
30°	324139
35°	256830
40°	185364
45°	117104
50°	61040
55°	32441
60°	17042
65°	9370
70°	3928
75°	4333
80°	3027
85°	2546

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 117104 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	823.5	8.6
10°-20°	2255.1	23.5
20°-30°	2756.4	28.7
30°-40°	2236.5	23.3
40°-50°	1114.5	11.6
50°-60°	310.8	3.2
60°-70°	70.7	0.7
70°-80°	18.4	0.2
80°-90°	4.7	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°	5835.0	60.8
0°-40°	8071.5	84.2
0°-60°	9496.8	99.0
0°-90°	9590.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9590.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8708	
5°	8653	824
15°	8124	2255
25°	6048	2756
35°	3602	2237
45°	1418	1114
55°	319	311
65°	68	71
75°	19	18
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8708.0
2.5°	8701.6
5°	8653.0
7.5°	8624.8
10°	8546.8
12.5°	8388.1
15°	8124.5
17.5°	7712.4
20°	7195.5
22.5°	6637.5
25°	6047.6
27.5°	5416.7
30°	4806.4
32.5°	4203.6
35°	3602.2
37.5°	3002.1
40°	2431.3
42.5°	1896.4
45°	1417.8
47.5°	987.9
50°	671.8
52.5°	463.2
55°	318.6
57.5°	215.0
60°	145.9
62.5°	101.1
65°	67.8
67.5°	34.6
70°	23.0
72.5°	21.8
75°	19.2
77.5°	12.8
80°	9.0
82.5°	6.4
85°	3.8
87.5°	2.6
90°	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)