

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: P773177

Luminaire Tested: LD6D85BD010-EU6DR6570959027-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P773177
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-EU6DR6570959027-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9672.9 lumens
Efficiency: N/A
Efficacy: 110.3 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

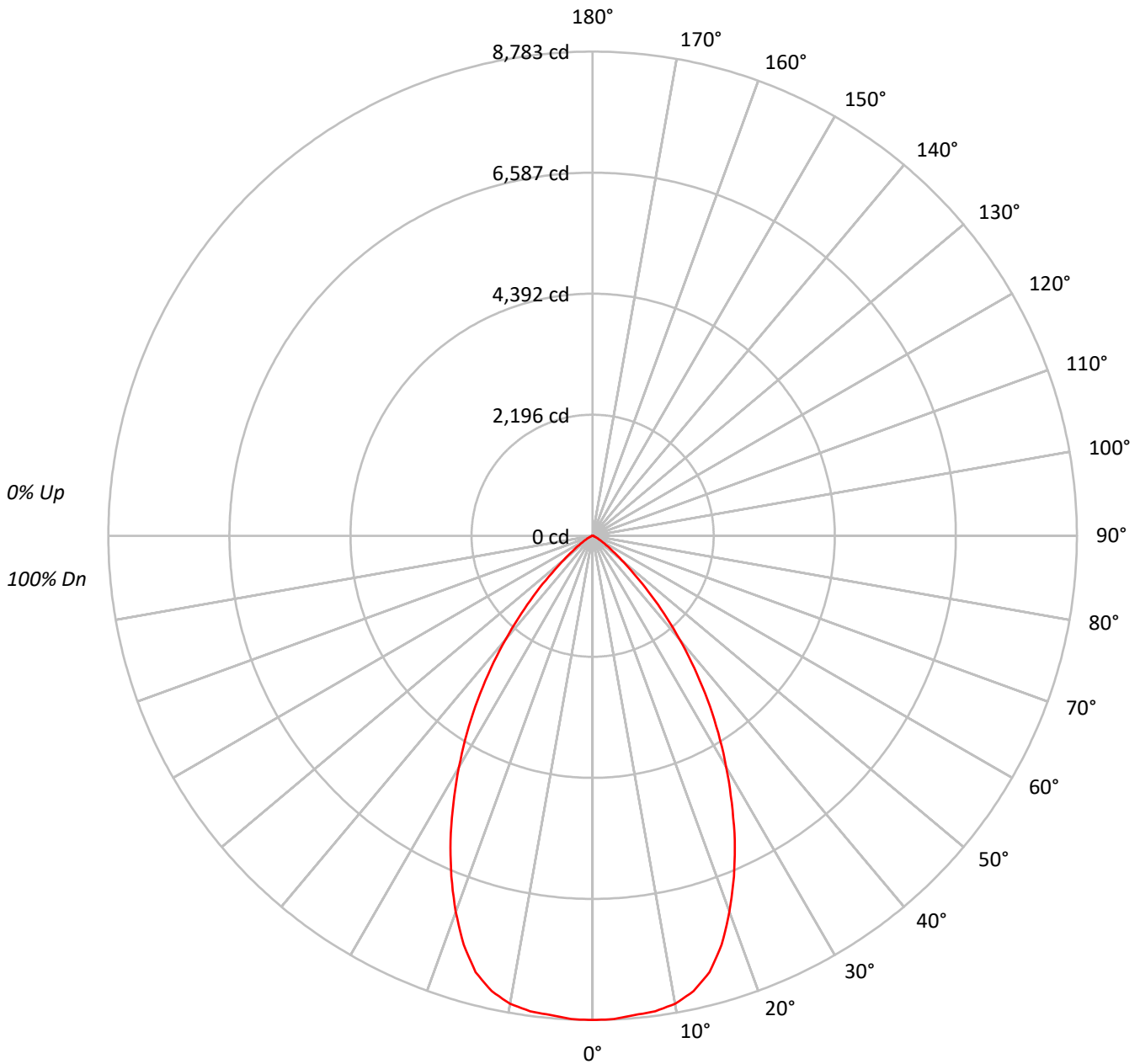
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	512944
5°	511649
10°	511214
15°	495455
20°	451050
25°	393061
30°	326917
35°	259033
40°	186958
45°	118112
50°	61567
55°	32726
60°	17182
65°	9453
70°	3962
75°	4378
80°	3027
85°	2613

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 118112 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	830.6	8.6
10°-20°	2274.4	23.5
20°-30°	2780.1	28.7
30°-40°	2255.7	23.3
40°-50°	1124.1	11.6
50°-60°	313.5	3.2
60°-70°	71.2	0.7
70°-80°	18.5	0.2
80°-90°	4.8	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°	5885.1	60.8
0°-40°	8140.8	84.2
0°-60°	9578.3	99.0
0°-90°	9672.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9672.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8783	
5°	8727	831
15°	8194	2274
25°	6100	2780
35°	3633	2256
45°	1430	1124
55°	321	314
65°	68	71
75°	19	19
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8782.7
2.5°	8776.2
5°	8727.2
7.5°	8698.8
10°	8620.1
12.5°	8460.0
15°	8194.2
17.5°	7778.6
20°	7257.2
22.5°	6694.5
25°	6099.5
27.5°	5463.2
30°	4847.6
32.5°	4239.7
35°	3633.1
37.5°	3027.8
40°	2452.2
42.5°	1912.7
45°	1430.0
47.5°	996.4
50°	677.6
52.5°	467.2
55°	321.4
57.5°	216.8
60°	147.1
62.5°	102.0
65°	68.4
67.5°	34.8
70°	23.2
72.5°	21.9
75°	19.4
77.5°	12.9
80°	9.0
82.5°	6.5
85°	3.9
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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