

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: P773199

Luminaire Tested: LD6D85BD010-EU6DR6570959035-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773199
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR6570959035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 9566.7 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' 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

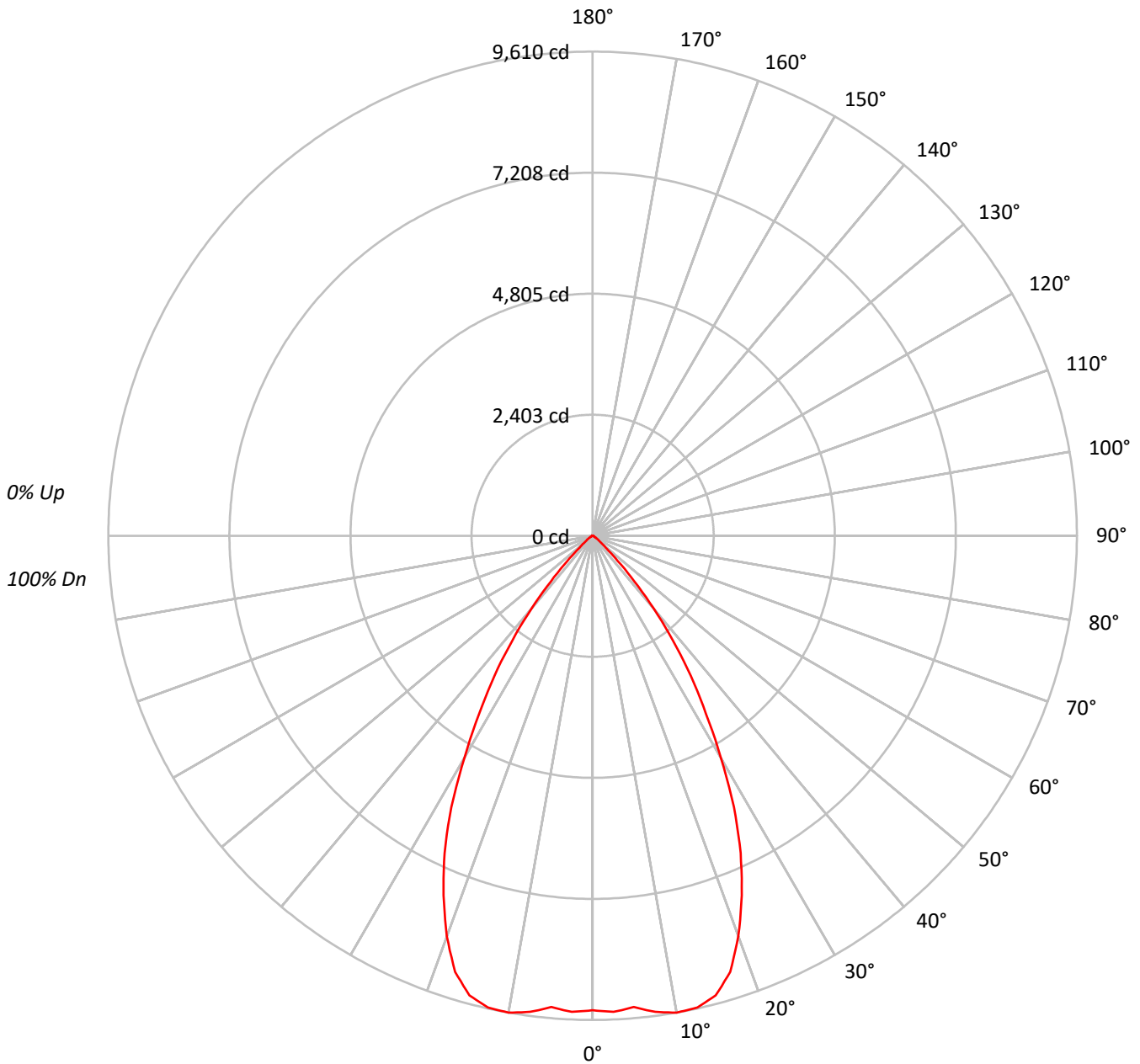


Downlight

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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			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1029127
5°	1029976
10°	1066238
15°	1068010
20°	983273
25°	837803
30°	641365
35°	453115
40°	267459
45°	108580
50°	39367
55°	21925
60°	12587
65°	6929
70°	7284
75°	5657
80°	5915
85°	5015

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 108580 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	907.0	9.5
10°-20°	2616.2	27.3
20°-30°	3138.9	32.8
30°-40°	2109.5	22.1
40°-50°	631.5	6.6
50°-60°	111.5	1.2
60°-70°	31.7	0.3
70°-80°	15.5	0.2
80°-90°	4.9	0.1
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°	6662.1	69.6
0°-40°	8771.6	91.7
0°-60°	9514.5	99.5
0°-90°	9566.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9566.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9419	
5°	9391	907
15°	9442	2616
25°	6950	3139
35°	3397	2109
45°	703	631
55°	115	111
65°	27	32
75°	13	16
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9419.0
2.5°	9459.2
5°	9390.9
7.5°	9532.8
10°	9610.4
12.5°	9591.7
15°	9441.8
17.5°	9075.0
20°	8456.6
22.5°	7728.5
25°	6949.5
27.5°	6070.1
30°	5083.6
32.5°	4189.5
35°	3397.1
37.5°	2614.1
40°	1875.2
42.5°	1224.7
45°	702.7
47.5°	372.1
50°	231.6
52.5°	160.6
55°	115.1
57.5°	83.0
60°	57.6
62.5°	37.5
65°	26.8
67.5°	24.1
70°	22.8
72.5°	17.4
75°	13.4
77.5°	12.0
80°	9.4
82.5°	6.7
85°	4.0
87.5°	2.7
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)