

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: P773278

Luminaire Tested: LD6D85BD010-EU6DR7070959035-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773278
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR7070959035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8198.1 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

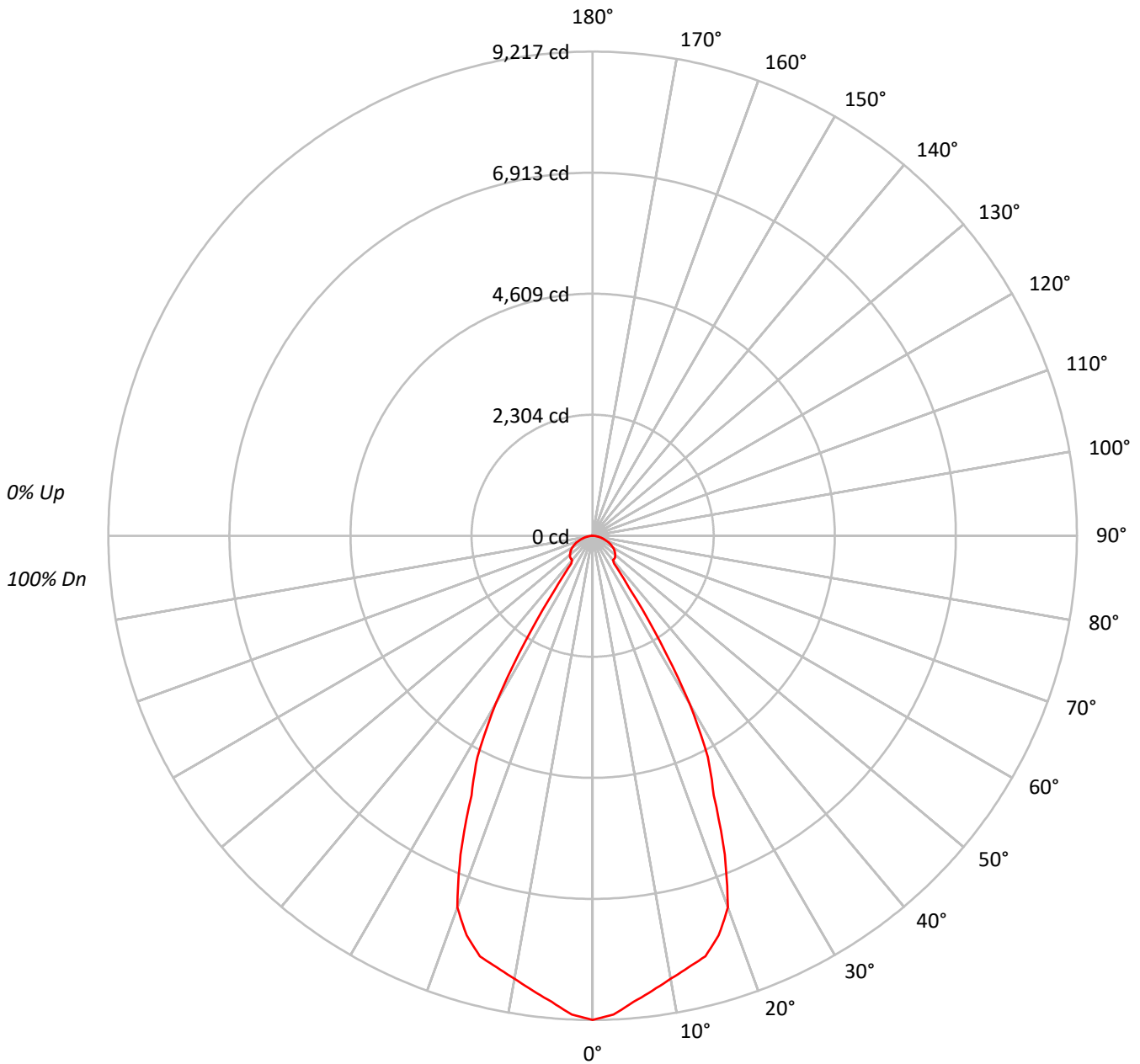


Downlight

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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76		
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70		
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65		
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61		
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57		
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53		
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50		
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1007056
5°	977133
10°	949900
15°	937441
20°	875372
25°	657620
30°	464887
35°	164674
40°	86591
45°	92232
50°	95495
55°	97302
60°	97898
65°	95838
70°	90438
75°	83797
80°	74372
85°	60425

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 97934 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	840.3	10.3
10°-20°	2305.0	28.1
20°-30°	2538.6	31.0
30°-40°	969.9	11.8
40°-50°	458.0	5.6
50°-60°	455.3	5.6
60°-70°	364.5	4.4
70°-80°	209.5	2.6
80°-90°	57.0	0.7
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°	5683.9	69.3
0°-40°	6653.8	81.2
0°-60°	7567.1	92.3
0°-90°	8198.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8198.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9217	
5°	8909	840
15°	8288	2305
25°	5455	2539
35°	1235	970
45°	597	458
55°	511	455
65°	371	365
75°	198	210
85°	48	57
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9217.0
2.5°	9120.7
5°	8909.1
7.5°	8732.5
10°	8561.8
12.5°	8417.3
15°	8287.5
17.5°	7973.7
20°	7528.6
22.5°	6568.4
25°	5454.9
27.5°	4748.6
30°	3684.8
32.5°	2380.1
35°	1234.6
37.5°	666.9
40°	607.1
42.5°	602.7
45°	596.9
47.5°	583.7
50°	561.8
52.5°	537.0
55°	510.8
57.5°	481.6
60°	448.0
62.5°	410.1
65°	370.7
67.5°	326.9
70°	283.1
72.5°	239.3
75°	198.5
77.5°	156.1
80°	118.2
82.5°	83.2
85°	48.2
87.5°	19.0
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)