

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: P773096

Luminaire Tested: LD6D85BD010-EU6DR6070959027-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773096
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D85BD010-EU6DR6070959027-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9070.5 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

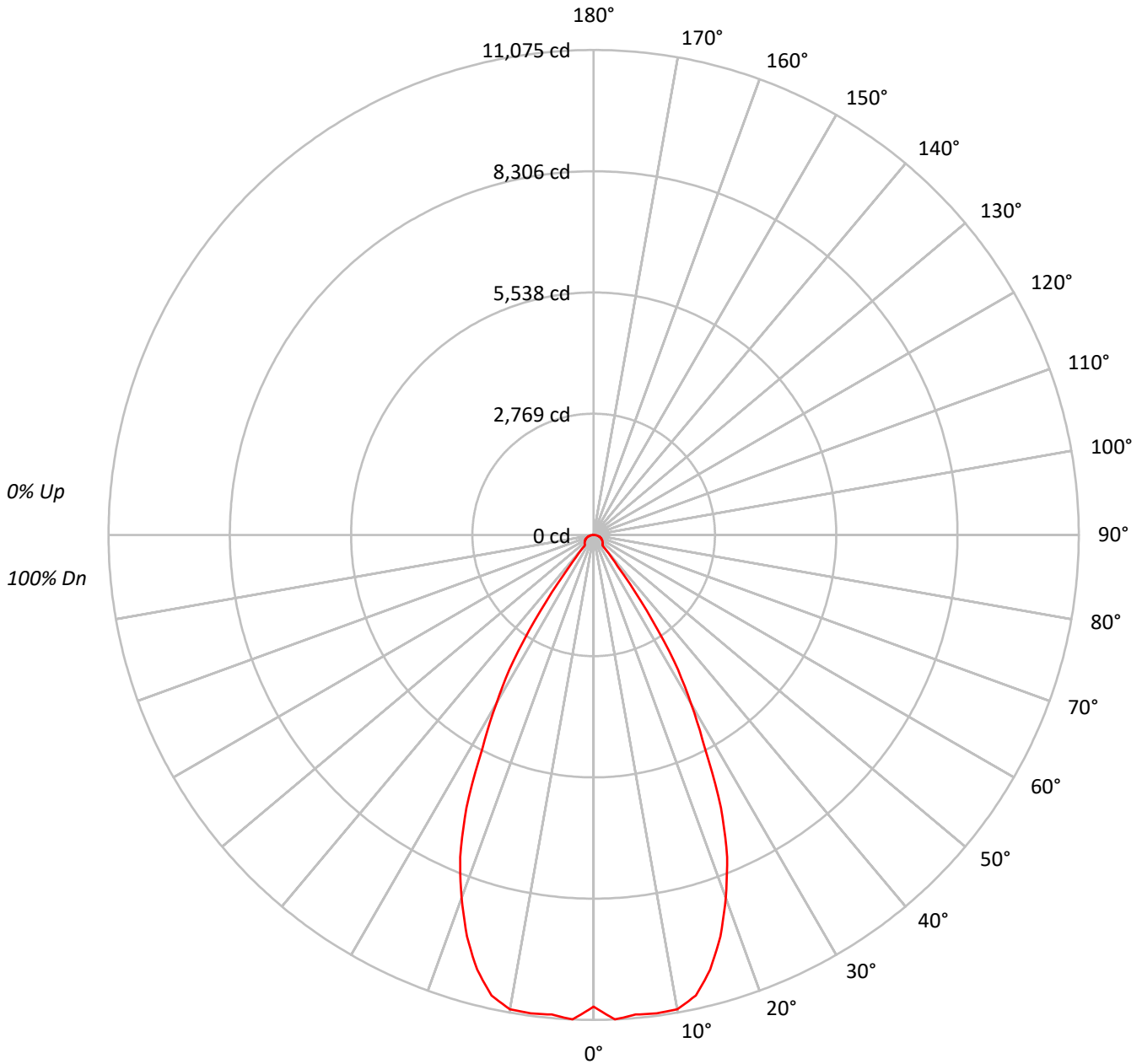
Input Watts (W): 87.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1177001
5°	1205944
10°	1220509
15°	1162698
20°	1025143
25°	829171
30°	560860
35°	281051
40°	45584
45°	44625
50°	45521
55°	46194
60°	47485
65°	48578
70°	49708
75°	50320
80°	48512
85°	40367

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 50320 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1050.9	11.6
10°-20°	2843.2	31.3
20°-30°	3059.1	33.7
30°-40°	1329.7	14.7
40°-50°	223.3	2.5
50°-60°	217.2	2.4
60°-70°	185.7	2.0
70°-80°	124.3	1.4
80°-90°	37.2	0.4
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°	6953.1	76.7
0°-40°	8282.8	91.3
0°-60°	8723.3	96.2
0°-90°	9070.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9070.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10772	
5°	10995	###
15°	10279	2843
25°	6878	3059
35°	2107	1330
45°	289	223
55°	242	217
65°	188	186
75°	119	124
85°	32	37
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10772.4
2.5°	11075.2
5°	10995.3
7.5°	11020.5
10°	11000.9
12.5°	10773.8
15°	10278.9
17.5°	9614.4
20°	8816.7
22.5°	7962.9
25°	6877.9
27.5°	5501.2
30°	4445.5
32.5°	3426.3
35°	2107.1
37.5°	901.4
40°	319.6
42.5°	294.4
45°	288.8
47.5°	279.0
50°	267.8
52.5°	255.2
55°	242.5
57.5°	229.9
60°	217.3
62.5°	203.3
65°	187.9
67.5°	172.4
70°	155.6
72.5°	137.4
75°	119.2
77.5°	98.1
80°	77.1
82.5°	54.7
85°	32.2
87.5°	11.2
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)