

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: P770938

Luminaire Tested: LD6D70BD010-EU6DR7070959035-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P770938
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: LD6D70BD010-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: 6431.1 lumens
Efficiency: N/A
Efficacy: 96.6 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

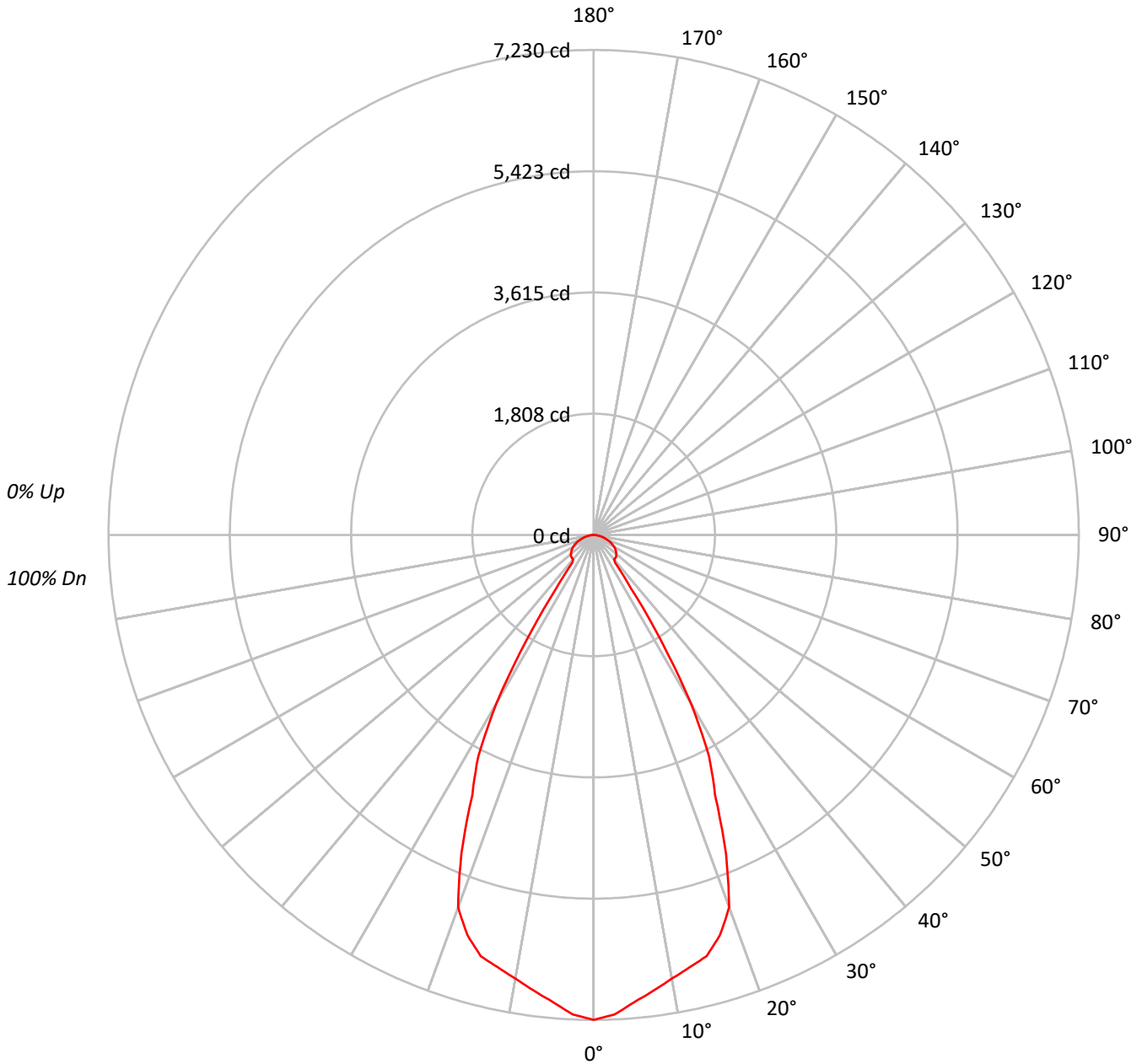
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	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°	789999
5°	766529
10°	745160
15°	735384
20°	686696
25°	515883
30°	364688
35°	129181
40°	67920
45°	72345
50°	74910
55°	76329
60°	76788
65°	75181
70°	70951
75°	65729
80°	58328
85°	47387

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 76826 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	659.2	10.3
10°-20°	1808.2	28.1
20°-30°	1991.4	31.0
30°-40°	760.9	11.8
40°-50°	359.3	5.6
50°-60°	357.2	5.6
60°-70°	286.0	4.4
70°-80°	164.3	2.6
80°-90°	44.7	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°	4458.8	69.3
0°-40°	5219.7	81.2
0°-60°	5936.1	92.3
0°-90°	6431.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6431.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7230	
5°	6989	659
15°	6501	1808
25°	4279	1991
35°	968	761
45°	468	359
55°	401	357
65°	291	286
75°	156	164
85°	38	45
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7230.4
2.5°	7154.9
5°	6988.9
7.5°	6850.4
10°	6716.4
12.5°	6603.1
15°	6501.2
17.5°	6255.1
20°	5905.9
22.5°	5152.7
25°	4279.2
27.5°	3725.1
30°	2890.6
32.5°	1867.1
35°	968.5
37.5°	523.2
40°	476.2
42.5°	472.8
45°	468.2
47.5°	457.9
50°	440.7
52.5°	421.3
55°	400.7
57.5°	377.8
60°	351.4
62.5°	321.7
65°	290.8
67.5°	256.4
70°	222.1
72.5°	187.7
75°	155.7
77.5°	122.5
80°	92.7
82.5°	65.3
85°	37.8
87.5°	14.9
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)