

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: P772524

Luminaire Tested: LD6D80BD010-EU6DR7070959050-6LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P772524
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: LD6D80BD010-EU6DR7070959050-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8118.5 lumens
Efficiency: N/A
Efficacy: 102.9 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

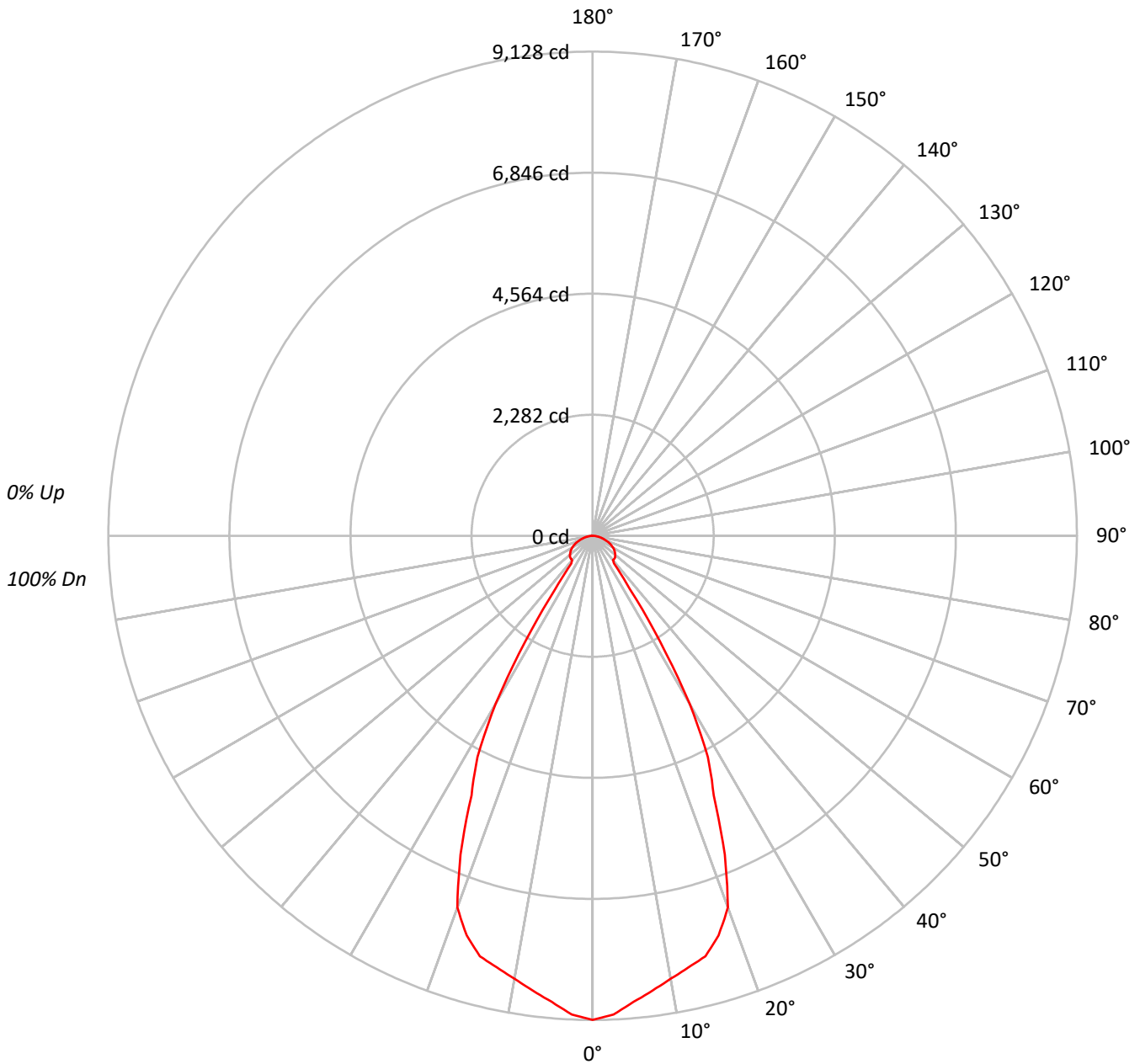
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	997278
5°	967646
10°	940669
15°	928324
20°	866872
25°	651231
30°	460370
35°	163074
40°	85749
45°	91336
50°	94577
55°	96350
60°	96958
65°	94907
70°	89576
75°	82953
80°	73680
85°	59798

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 96978 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	832.2	10.3
10°-20°	2282.6	28.1
20°-30°	2513.9	31.0
30°-40°	960.5	11.8
40°-50°	453.5	5.6
50°-60°	450.9	5.6
60°-70°	361.0	4.4
70°-80°	207.5	2.6
80°-90°	56.4	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°	5628.7	69.3
0°-40°	6589.2	81.2
0°-60°	7493.6	92.3
0°-90°	8118.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8118.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9128	
5°	8823	832
15°	8207	2283
25°	5402	2514
35°	1223	961
45°	591	454
55°	506	451
65°	367	361
75°	196	207
85°	48	56
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9127.5
2.5°	9032.1
5°	8822.6
7.5°	8647.7
10°	8478.6
12.5°	8335.5
15°	8206.9
17.5°	7896.2
20°	7455.5
22.5°	6504.6
25°	5401.9
27.5°	4702.5
30°	3649.0
32.5°	2357.0
35°	1222.6
37.5°	660.4
40°	601.2
42.5°	596.8
45°	591.1
47.5°	578.1
50°	556.4
52.5°	531.8
55°	505.8
57.5°	476.9
60°	443.7
62.5°	406.1
65°	367.1
67.5°	323.7
70°	280.4
72.5°	237.0
75°	196.5
77.5°	154.6
80°	117.1
82.5°	82.4
85°	47.7
87.5°	18.8
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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Scaled Data Report





— 0°-180°

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(END OF REPORT)