

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: P754316

Luminaire Tested: LD4D80BD010-EU4DR6570959024-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P754316
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: LD4D80BD010-EU4DR6570959024-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6000.0 lumens
Efficiency: N/A
Efficacy: 76.0 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

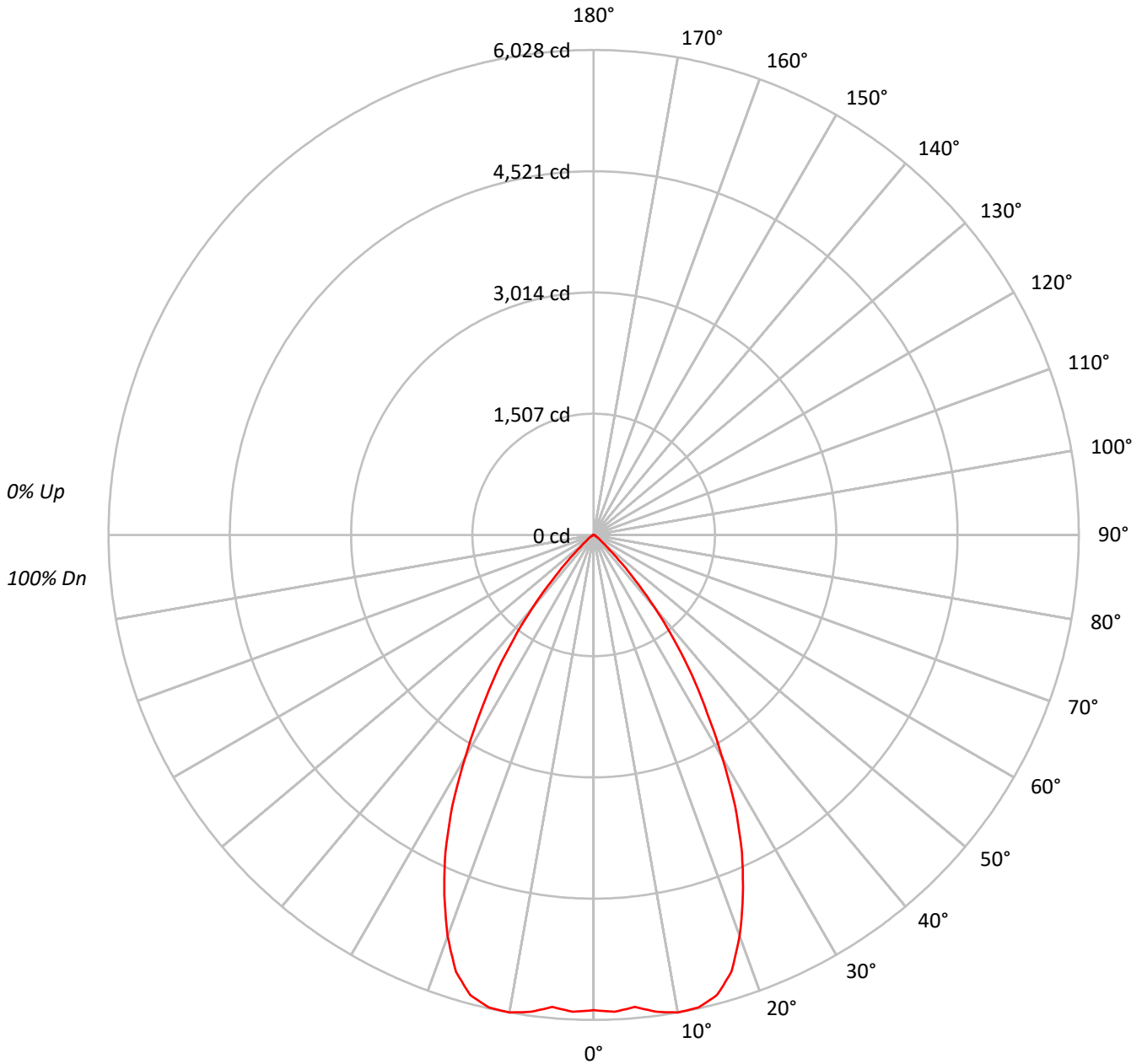
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	645458
5°	645982
10°	668729
15°	669833
20°	616700
25°	525455
30°	402260
35°	284185
40°	167747
45°	68096
50°	24681
55°	13753
60°	7889
65°	4343
70°	4568
75°	3546
80°	3712
85°	3134

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 68096 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	568.8	9.5
10°-20°	1640.8	27.3
20°-30°	1968.7	32.8
30°-40°	1323.0	22.1
40°-50°	396.0	6.6
50°-60°	69.9	1.2
60°-70°	19.9	0.3
70°-80°	9.8	0.2
80°-90°	3.1	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°	4178.4	69.6
0°-40°	5501.4	91.7
0°-60°	5967.3	99.5
0°-90°	6000.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6000.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5908	
5°	5890	569
15°	5922	1641
25°	4359	1969
35°	2131	1323
45°	441	396
55°	72	70
65°	17	20
75°	8	10
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5907.5
2.5°	5932.6
5°	5889.8
7.5°	5978.8
10°	6027.5
12.5°	6015.7
15°	5921.7
17.5°	5691.7
20°	5303.9
22.5°	4847.2
25°	4358.6
27.5°	3807.1
30°	3188.4
32.5°	2627.6
35°	2130.6
37.5°	1639.5
40°	1176.1
42.5°	768.1
45°	440.7
47.5°	233.4
50°	145.2
52.5°	100.7
55°	72.2
57.5°	52.0
60°	36.1
62.5°	23.5
65°	16.8
67.5°	15.1
70°	14.3
72.5°	10.9
75°	8.4
77.5°	7.6
80°	5.9
82.5°	4.2
85°	2.5
87.5°	1.7
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)