

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: P754262

Luminaire Tested: LD4D80BD010-EU4DR6070959030-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P754262
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: LD4D80BD010-EU4DR6070959030-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6010.1 lumens
Efficiency: N/A
Efficacy: 76.2 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

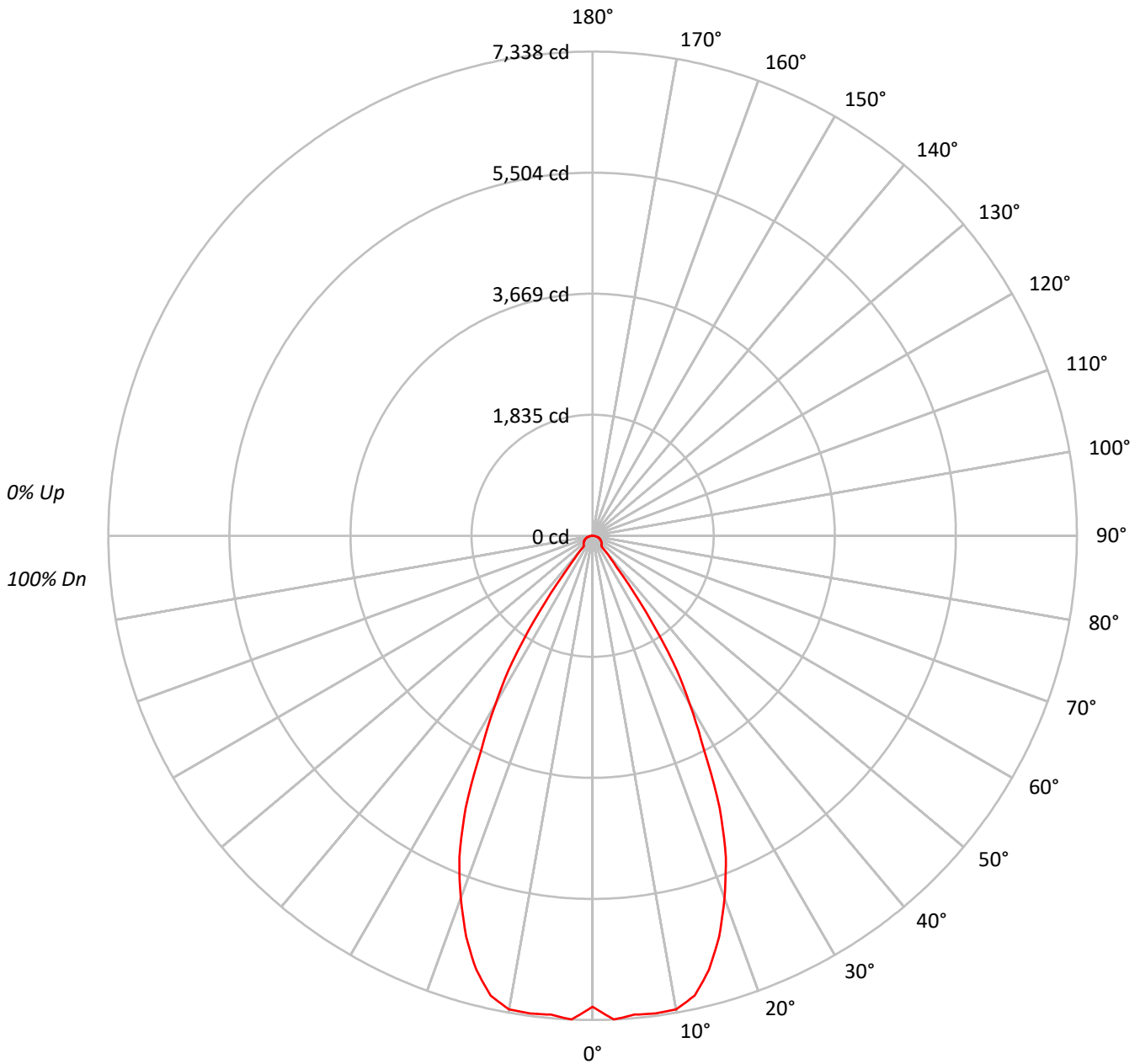
Input Watts (W): 78.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	779870
5°	799049
10°	808699
15°	770393
20°	679254
25°	549397
30°	371627
35°	186216
40°	30209
45°	29575
50°	30154
55°	30612
60°	31467
65°	32187
70°	32936
75°	33350
80°	32153
85°	26828

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 33350 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	696.3	11.6
10°-20°	1883.9	31.3
20°-30°	2026.9	33.7
30°-40°	881.0	14.7
40°-50°	148.0	2.5
50°-60°	143.9	2.4
60°-70°	123.1	2.0
70°-80°	82.3	1.4
80°-90°	24.6	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°	4607.1	76.7
0°-40°	5488.1	91.3
0°-60°	5780.0	96.2
0°-90°	6010.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6010.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7138	
5°	7285	696
15°	6811	1884
25°	4557	2027
35°	1396	881
45°	191	148
55°	161	144
65°	124	123
75°	79	82
85°	21	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7137.7
2.5°	7338.4
5°	7285.4
7.5°	7302.1
10°	7289.1
12.5°	7138.6
15°	6810.7
17.5°	6370.4
20°	5841.9
22.5°	5276.2
25°	4557.2
27.5°	3645.0
30°	2945.6
32.5°	2270.2
35°	1396.1
37.5°	597.3
40°	211.8
42.5°	195.1
45°	191.4
47.5°	184.9
50°	177.4
52.5°	169.1
55°	160.7
57.5°	152.3
60°	144.0
62.5°	134.7
65°	124.5
67.5°	114.3
70°	103.1
72.5°	91.0
75°	79.0
77.5°	65.0
80°	51.1
82.5°	36.2
85°	21.4
87.5°	7.4
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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