

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: P747398

Luminaire Tested: LD4D35BD010-EU4DR7020359030-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P747398
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: LD4D35BD010-EU4DR7020359030-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1876.7 lumens
Efficiency: N/A
Efficacy: 60.9 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

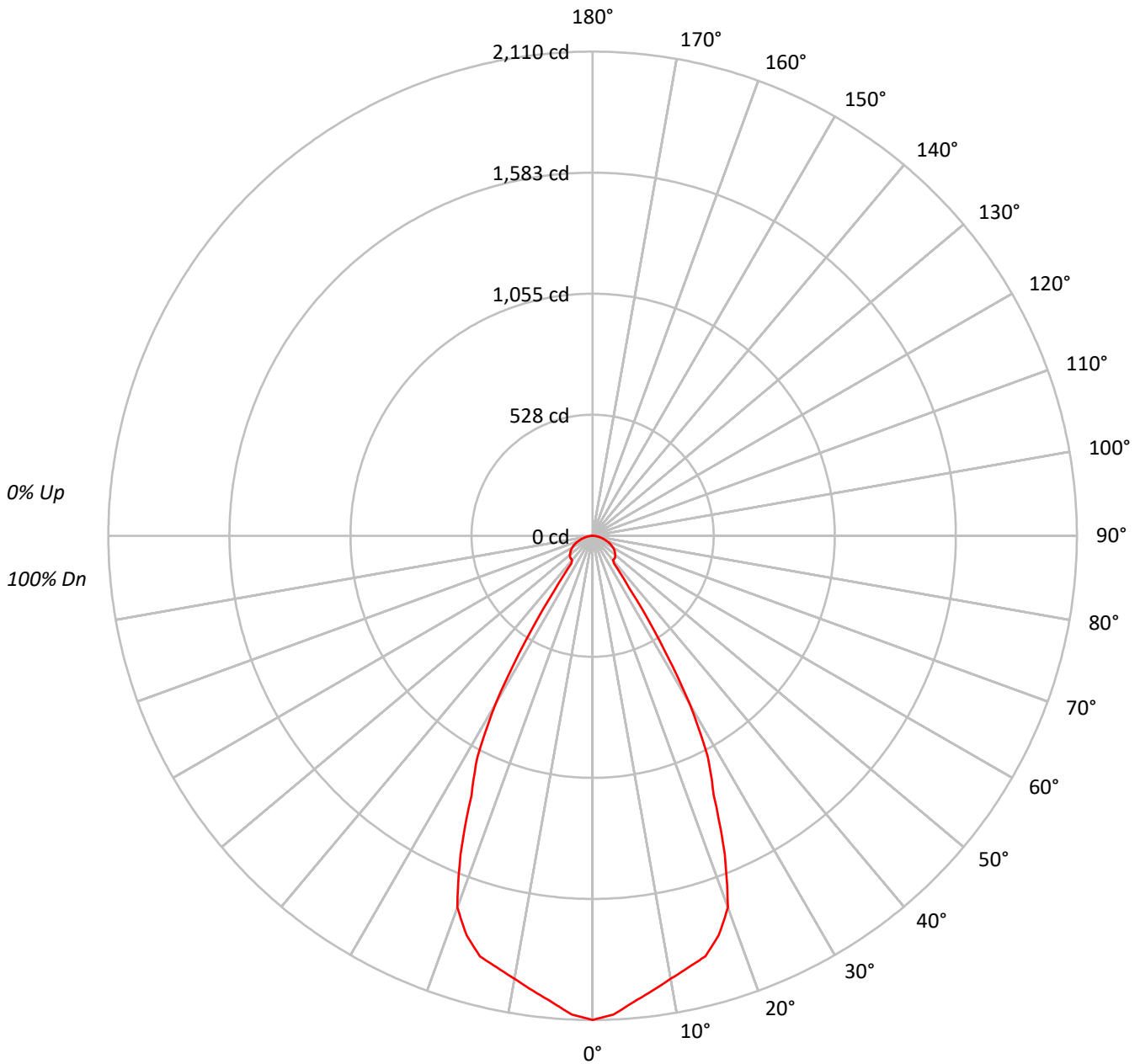
Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	230551
5°	223699
10°	217466
15°	214602
20°	200396
25°	150550
30°	106431
35°	37694
40°	19826
45°	21107
50°	21859
55°	22268
60°	22420
65°	21949
70°	20701
75°	19166
80°	17052
85°	13790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 22420 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.4	10.3
10°-20°	527.7	28.1
20°-30°	581.2	31.0
30°-40°	222.1	11.8
40°-50°	104.8	5.6
50°-60°	104.2	5.6
60°-70°	83.5	4.4
70°-80°	47.9	2.6
80°-90°	13.0	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°	1301.2	69.3
0°-40°	1523.3	81.2
0°-60°	1732.3	92.3
0°-90°	1876.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1876.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2110	
5°	2040	192
15°	1897	528
25°	1249	581
35°	283	222
45°	137	105
55°	117	104
65°	85	83
75°	45	48
85°	11	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2110.1
2.5°	2088.0
5°	2039.6
7.5°	1999.1
10°	1960.1
12.5°	1927.0
15°	1897.2
17.5°	1825.4
20°	1723.5
22.5°	1503.7
25°	1248.8
27.5°	1087.1
30°	843.6
32.5°	544.9
35°	282.6
37.5°	152.7
40°	139.0
42.5°	138.0
45°	136.6
47.5°	133.6
50°	128.6
52.5°	122.9
55°	116.9
57.5°	110.2
60°	102.6
62.5°	93.9
65°	84.9
67.5°	74.8
70°	64.8
72.5°	54.8
75°	45.4
77.5°	35.7
80°	27.1
82.5°	19.0
85°	11.0
87.5°	4.3
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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