

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: P747445

Luminaire Tested: LD4D35BD010-EU4DR7020359050-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P747445
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-EU4DR7020359050-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

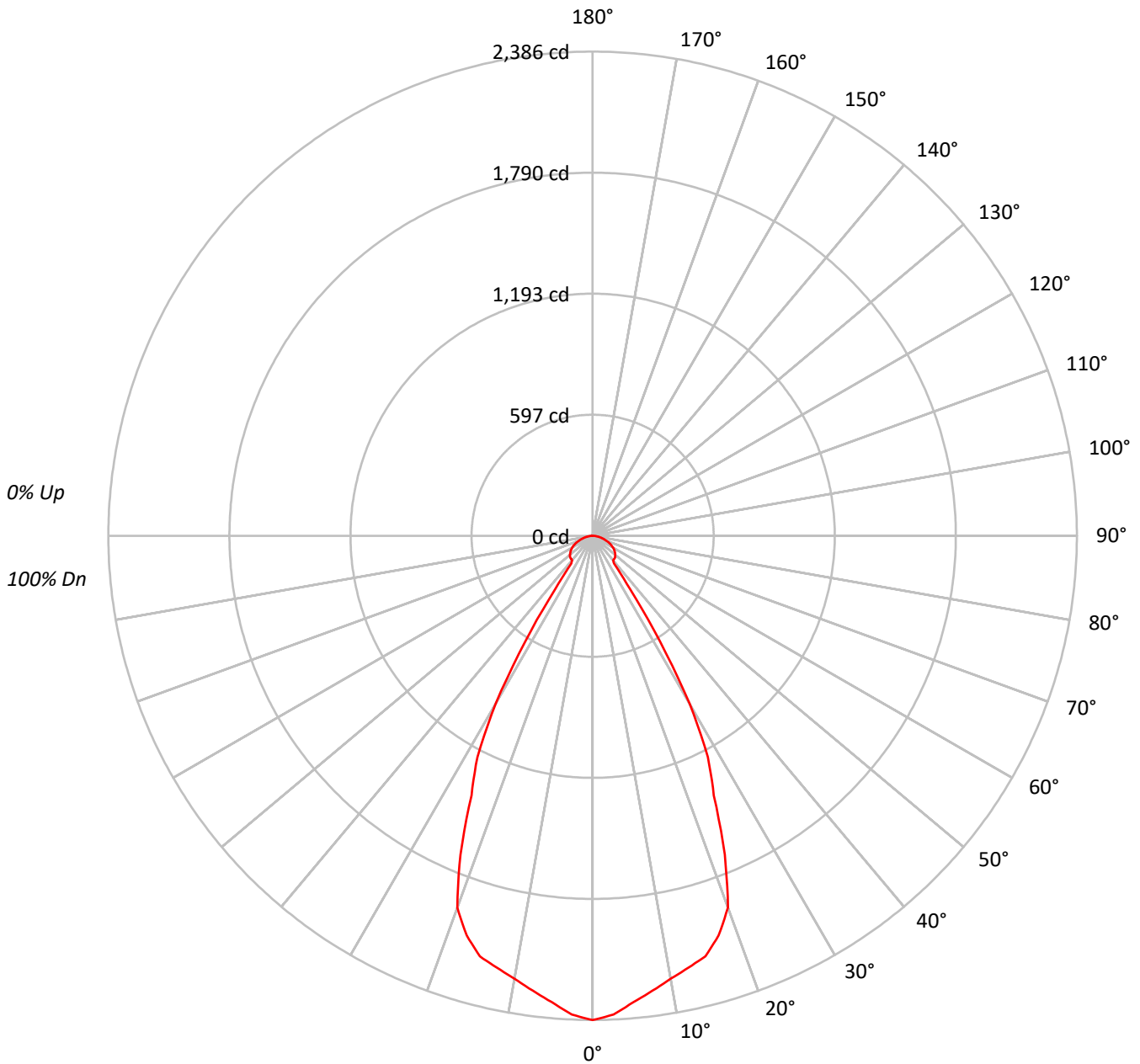
Lumens per Lamp: N/A
Luminaire Lumens: 2122.7 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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°	260751
5°	253005
10°	245957
15°	242722
20°	226662
25°	170273
30°	120373
35°	42642
40°	22421
45°	23873
50°	24732
55°	25183
60°	25348
65°	24819
70°	23416
75°	21699
80°	19254
85°	15670

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 25358 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.6	10.3
10°-20°	596.8	28.1
20°-30°	657.3	31.0
30°-40°	251.2	11.8
40°-50°	118.6	5.6
50°-60°	117.9	5.6
60°-70°	94.4	4.4
70°-80°	54.3	2.6
80°-90°	14.7	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°	1471.7	69.3
0°-40°	1722.9	81.2
0°-60°	1959.3	92.3
0°-90°	2122.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2122.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2386	
5°	2307	218
15°	2146	597
25°	1412	657
35°	320	251
45°	154	119
55°	132	118
65°	96	94
75°	51	54
85°	12	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2386.5
2.5°	2361.6
5°	2306.8
7.5°	2261.1
10°	2216.9
12.5°	2179.5
15°	2145.8
17.5°	2064.6
20°	1949.4
22.5°	1700.7
25°	1412.4
27.5°	1229.5
30°	954.1
32.5°	616.3
35°	319.7
37.5°	172.7
40°	157.2
42.5°	156.1
45°	154.5
47.5°	151.1
50°	145.5
52.5°	139.1
55°	132.2
57.5°	124.7
60°	116.0
62.5°	106.2
65°	96.0
67.5°	84.6
70°	73.3
72.5°	62.0
75°	51.4
77.5°	40.4
80°	30.6
82.5°	21.5
85°	12.5
87.5°	4.9
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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