

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: P747432

Luminaire Tested: LD4D35BD010-EU4DR7020359040-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P747432
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-EU4DR7020359040-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

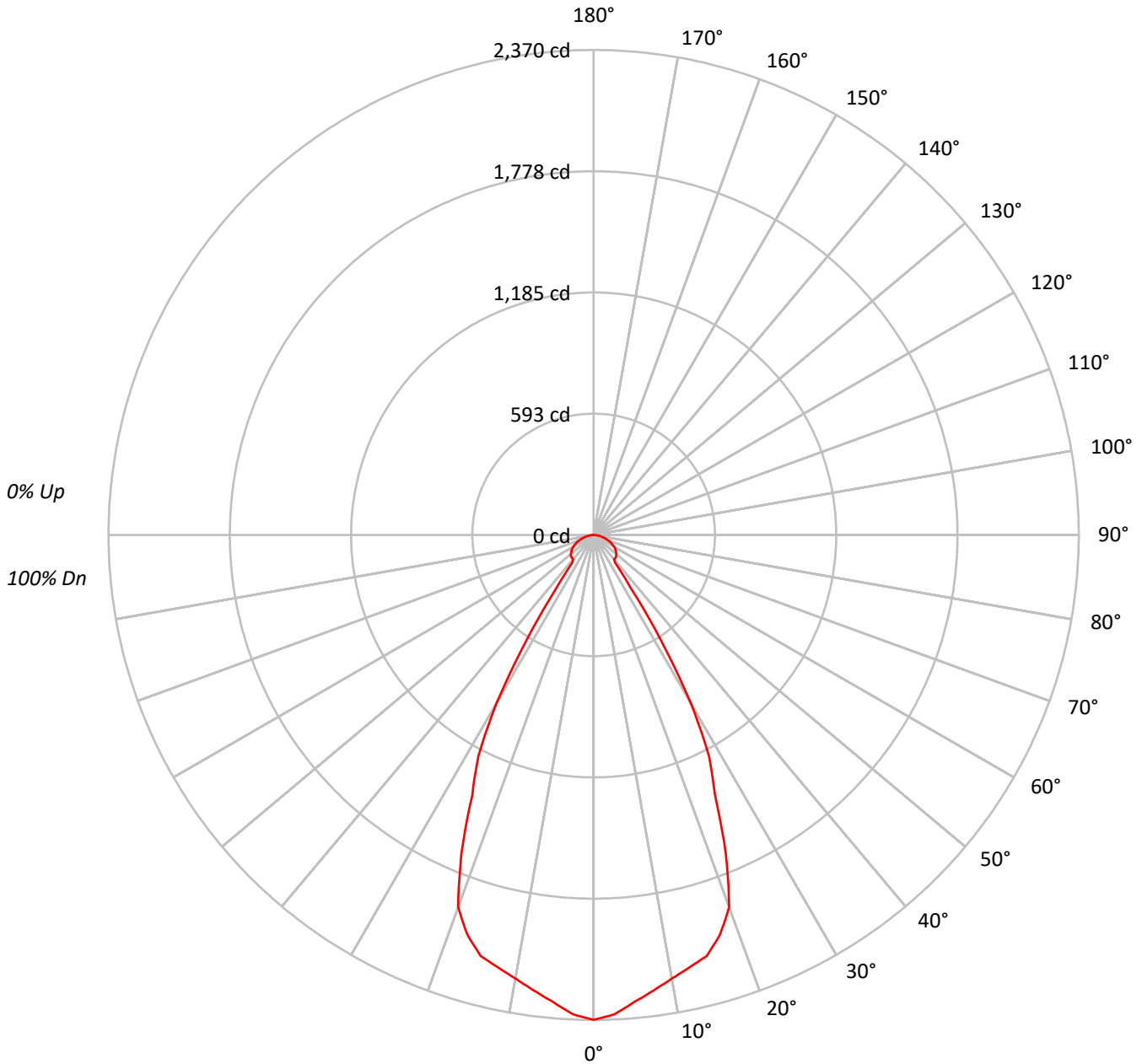
Lumens per Lamp: N/A
Luminaire Lumens: 2107.6 lumens
Efficiency: N/A
Efficacy: 68.4 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 30.8
Input Voltage (V): NR
Input Current (Ain): 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°	258904
5°	251207
10°	244215
15°	241003
20°	225046
25°	169068
30°	119515
35°	42336
40°	22265
45°	23703
50°	24545
55°	25011
60°	25174
65°	24638
70°	23256
75°	21530
80°	19128
85°	15545

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 25175 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	216.0	10.3
10°-20°	592.6	28.1
20°-30°	652.6	31.0
30°-40°	249.4	11.8
40°-50°	117.7	5.6
50°-60°	117.1	5.6
60°-70°	93.7	4.4
70°-80°	53.8	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°	1461.3	69.3
0°-40°	1710.6	81.2
0°-60°	1945.4	92.3
0°-90°	2107.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2107.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2370	
5°	2290	216
15°	2131	593
25°	1402	653
35°	317	249
45°	153	118
55°	131	117
65°	95	94
75°	51	54
85°	12	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2369.6
2.5°	2344.8
5°	2290.4
7.5°	2245.0
10°	2201.2
12.5°	2164.0
15°	2130.6
17.5°	2050.0
20°	1935.5
22.5°	1688.7
25°	1402.4
27.5°	1220.8
30°	947.3
32.5°	611.9
35°	317.4
37.5°	171.5
40°	156.1
42.5°	154.9
45°	153.4
47.5°	150.1
50°	144.4
52.5°	138.1
55°	131.3
57.5°	123.8
60°	115.2
62.5°	105.4
65°	95.3
67.5°	84.0
70°	72.8
72.5°	61.5
75°	51.0
77.5°	40.1
80°	30.4
82.5°	21.4
85°	12.4
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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