

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: P755064

Luminaire Tested: LD4D85BD010-EU4DR6070959035-4LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P755064  
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: LD4D85BD010-EU4DR6070959035-4LBSQW1MW  
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7380.3 lumens  
Efficiency: N/A  
Efficacy: 84.2 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

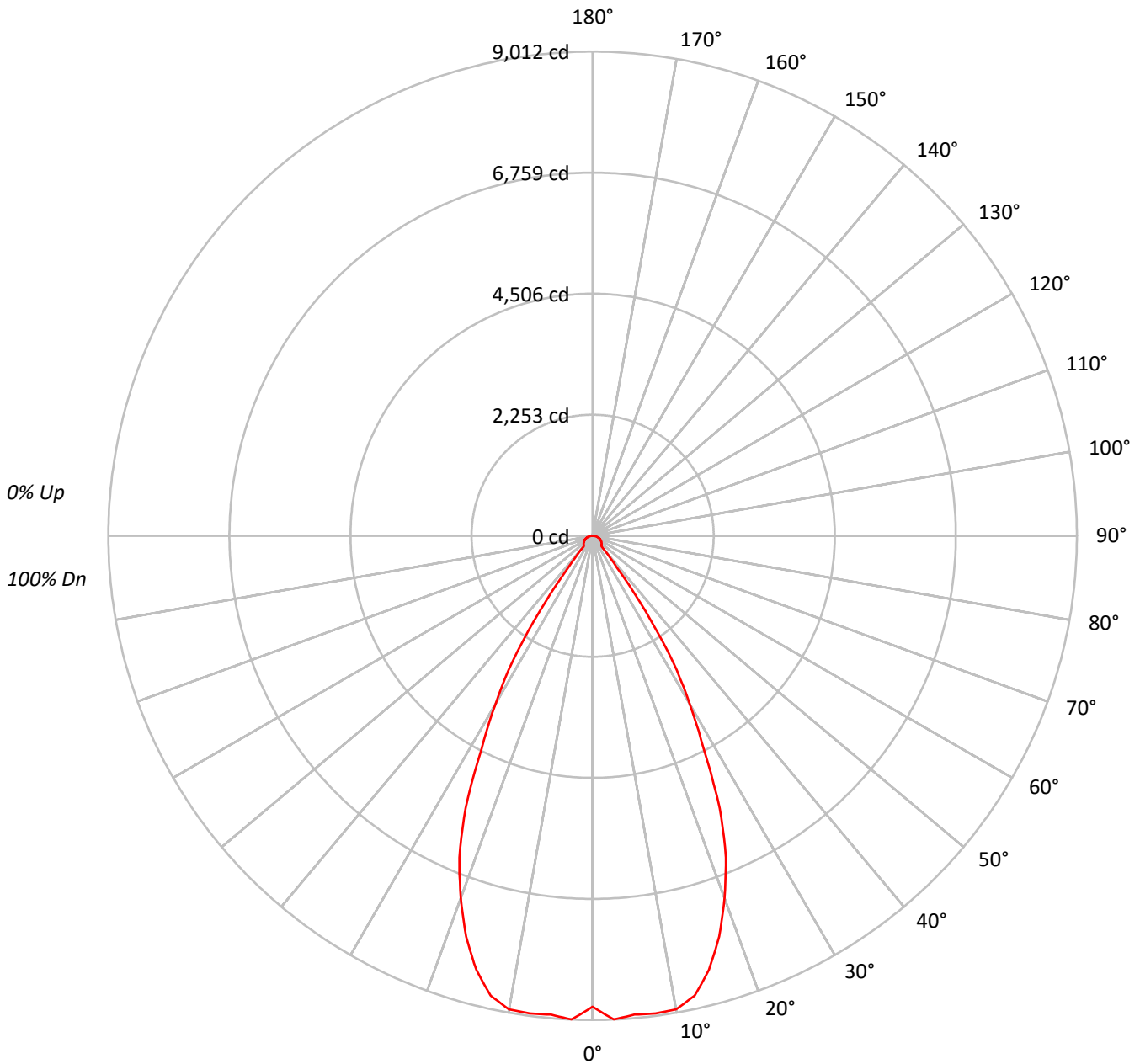
Input Watts (W): 87.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P755064

CATALOG NUMBER: LD4D85BD010-EU4DR6070959035-4LBSQW1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P755064

CATALOG NUMBER: LD4D85BD010-EU4DR6070959035-4LBSQW1MW

**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	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	957681
5°	981224
10°	993080
15°	946038
20°	834118
25°	674655
30°	456346
35°	228685
40°	37098
45°	36312
50°	37039
55°	37584
60°	38635
65°	39530
70°	40443
75°	40949
80°	39451
85°	32845

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 40949 cd/sqm



TEST NUMBER: P755064

CATALOG NUMBER: LD4D85BD010-EU4DR6070959035-4LBSQW1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	855.1	11.6
10°-20°	2313.4	31.3
20°-30°	2489.0	33.7
30°-40°	1081.9	14.7
40°-50°	181.7	2.5
50°-60°	176.7	2.4
60°-70°	151.1	2.0
70°-80°	101.1	1.4
80°-90°	30.2	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°	5657.5	76.7
0°-40°	6739.4	91.3
0°-60°	7097.8	96.2
0°-90°	7380.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7380.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8765	
5°	8946	855
15°	8364	2313
25°	5596	2489
35°	1714	1082
45°	235	182
55°	197	177
65°	153	151
75°	97	101
85°	26	30
90°	0	



TEST NUMBER: P755064

CATALOG NUMBER: LD4D85BD010-EU4DR6070959035-4LBSQW1MW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8765.1
2.5°	9011.5
5°	8946.4
7.5°	8967.0
10°	8951.0
12.5°	8766.2
15°	8363.5
17.5°	7822.9
20°	7173.8
22.5°	6479.1
25°	5596.2
27.5°	4476.1
30°	3617.1
32.5°	2787.8
35°	1714.5
37.5°	733.5
40°	260.1
42.5°	239.5
45°	235.0
47.5°	227.0
50°	217.9
52.5°	207.6
55°	197.3
57.5°	187.1
60°	176.8
62.5°	165.4
65°	152.9
67.5°	140.3
70°	126.6
72.5°	111.8
75°	97.0
77.5°	79.8
80°	62.7
82.5°	44.5
85°	26.2
87.5°	9.1
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

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)