

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: P755181

Luminaire Tested: LD4D85BD010-EU4DR7070959024-4LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P755181  
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: LD4D85BD010-EU4DR7070959024-4LBSQW1MW  
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

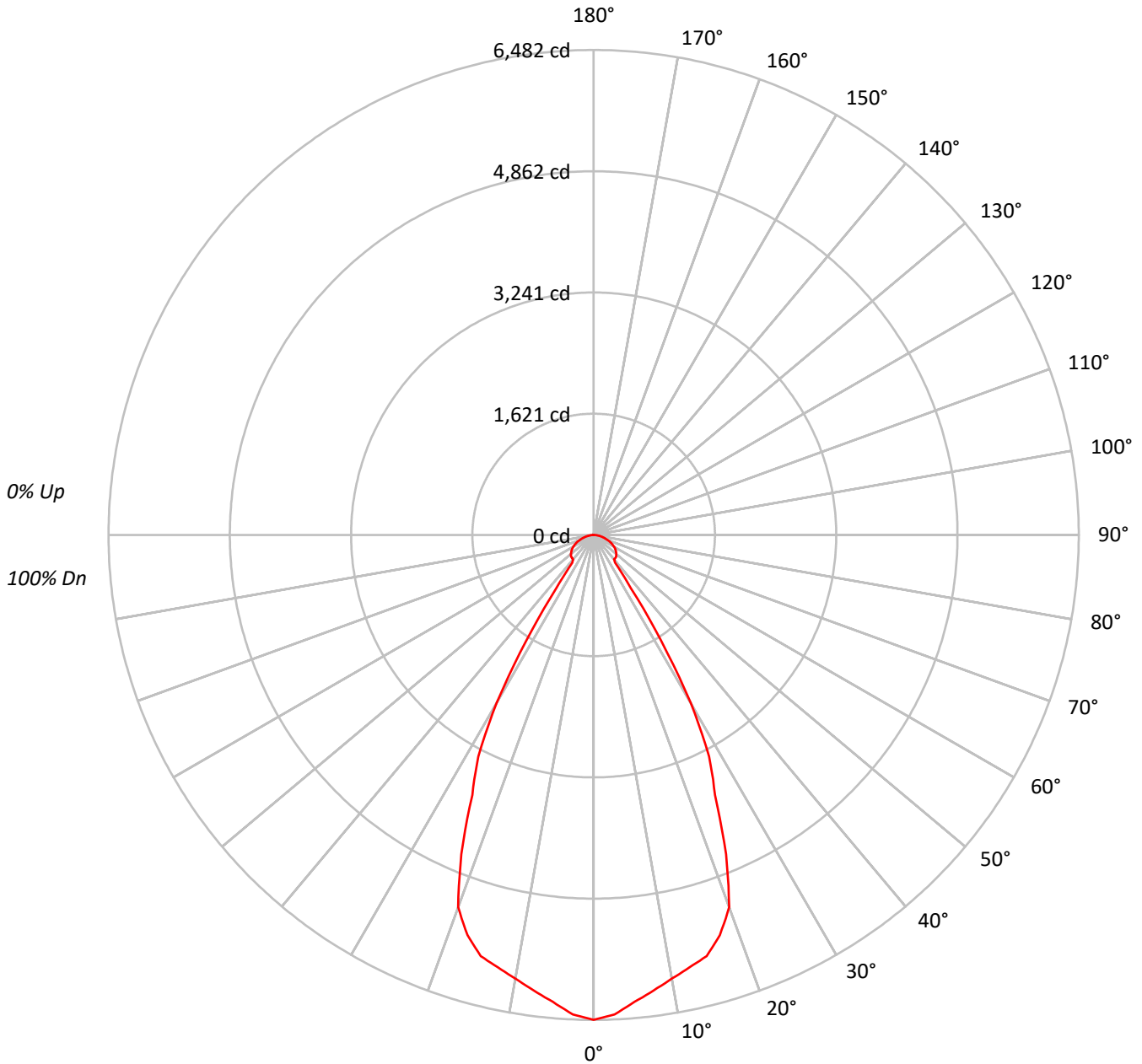
Lumens per Lamp: N/A  
Luminaire Lumens: 5765.2 lumens  
Efficiency: N/A  
Efficacy: 65.7 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 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



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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	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°	708185
5°	687144
10°	667996
15°	659223
20°	615583
25°	462452
30°	326915
35°	115803
40°	60889
45°	64851
50°	67159
55°	68424
60°	68856
65°	67400
70°	63604
75°	58932
80°	52287
85°	42498

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 68875 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	590.9	10.3
10°-20°	1620.9	28.1
20°-30°	1785.2	31.0
30°-40°	682.1	11.8
40°-50°	322.1	5.6
50°-60°	320.2	5.6
60°-70°	256.4	4.4
70°-80°	147.3	2.6
80°-90°	40.1	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°	3997.0	69.3
0°-40°	4679.1	81.2
0°-60°	5321.4	92.3
0°-90°	5765.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5765.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6482	
5°	6265	591
15°	5828	1621
25°	3836	1785
35°	868	682
45°	420	322
55°	359	320
65°	261	256
75°	140	147
85°	34	40
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6481.6
2.5°	6413.9
5°	6265.1
7.5°	6140.9
10°	6020.9
12.5°	5919.3
15°	5827.9
17.5°	5607.3
20°	5294.3
22.5°	4619.0
25°	3836.0
27.5°	3339.3
30°	2591.2
32.5°	1673.8
35°	868.2
37.5°	469.0
40°	426.9
42.5°	423.8
45°	419.7
47.5°	410.5
50°	395.1
52.5°	377.7
55°	359.2
57.5°	338.7
60°	315.1
62.5°	288.4
65°	260.7
67.5°	229.9
70°	199.1
72.5°	168.3
75°	139.6
77.5°	109.8
80°	83.1
82.5°	58.5
85°	33.9
87.5°	13.3
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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(END OF REPORT)