

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: P755220

Luminaire Tested: LD4D85BD010-EU4DR7070959035-4LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P755220  
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-EU4DR7070959035-4LBSQW1MW  
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

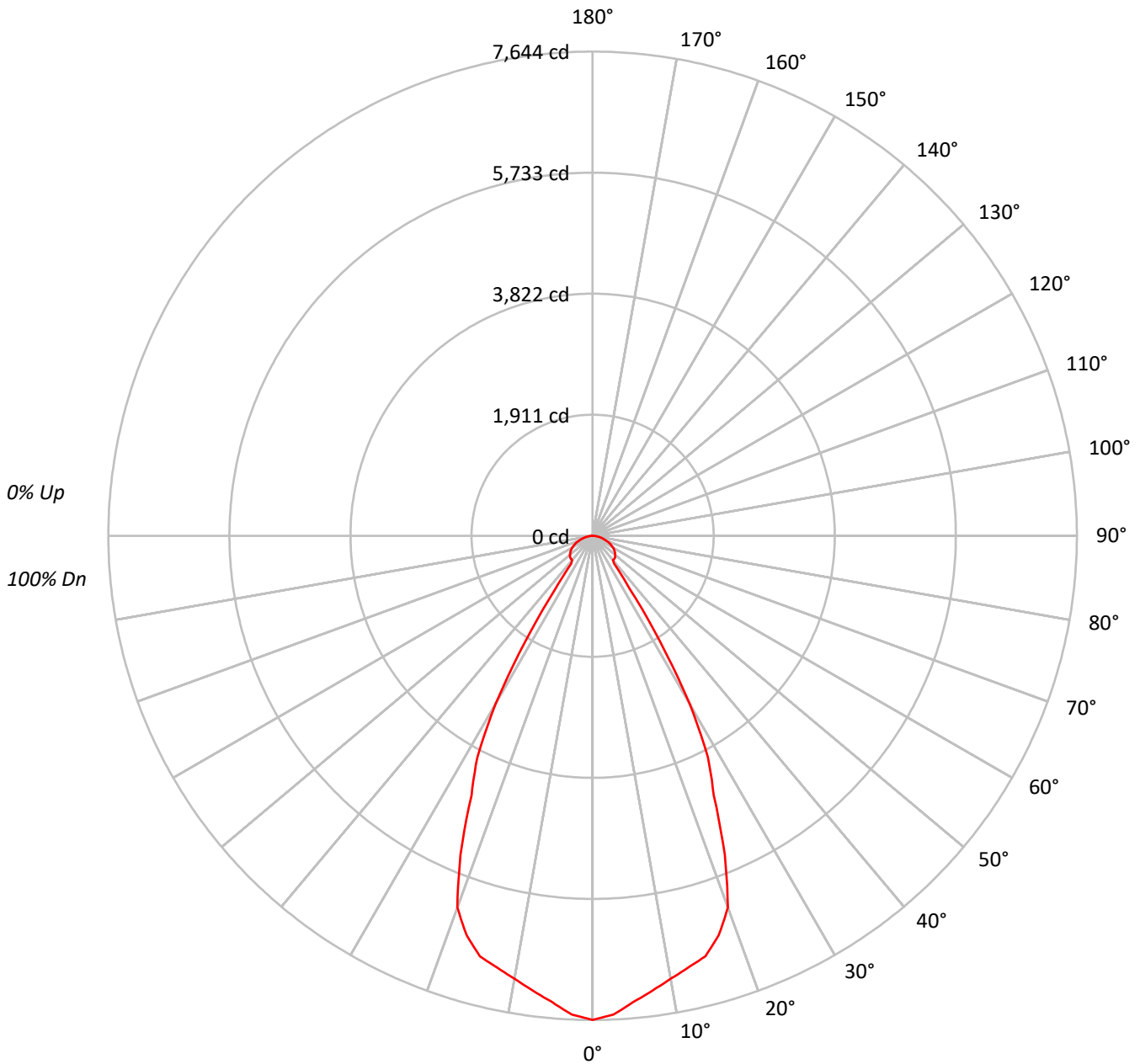
Lumens per Lamp: N/A  
Luminaire Lumens: 6798.8 lumens  
Efficiency: N/A  
Efficacy: 77.5 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

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									
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°	835167
5°	810357
10°	787763
15°	777428
20°	725961
25°	545383
30°	385530
35°	136571
40°	71814
45°	76486
50°	79193
55°	80692
60°	81181
65°	79473
70°	75009
75°	69486
80°	61662
85°	50020

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 81219 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	696.9	10.3
10°-20°	1911.5	28.1
20°-30°	2105.3	31.0
30°-40°	804.4	11.8
40°-50°	379.8	5.6
50°-60°	377.6	5.6
60°-70°	302.3	4.4
70°-80°	173.8	2.6
80°-90°	47.2	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°	4713.7	69.3
0°-40°	5518.1	81.2
0°-60°	6275.5	92.3
0°-90°	6798.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6798.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7644	
5°	7388	697
15°	6873	1912
25°	4524	2105
35°	1024	804
45°	495	380
55°	424	378
65°	307	302
75°	165	174
85°	40	47
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7643.8
2.5°	7564.0
5°	7388.5
7.5°	7242.0
10°	7100.4
12.5°	6980.6
15°	6872.9
17.5°	6612.7
20°	6243.6
22.5°	5447.3
25°	4523.9
27.5°	3938.1
30°	3055.8
32.5°	1973.9
35°	1023.9
37.5°	553.1
40°	503.5
42.5°	499.8
45°	495.0
47.5°	484.1
50°	465.9
52.5°	445.4
55°	423.6
57.5°	399.4
60°	371.5
62.5°	340.1
65°	307.4
67.5°	271.1
70°	234.8
72.5°	198.5
75°	164.6
77.5°	129.5
80°	98.0
82.5°	69.0
85°	39.9
87.5°	15.7
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)