

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: P754466

Luminaire Tested: LD4D80BD010-EU4DR7070959050-4LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P754466  
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: LD4D80BD010-EU4DR7070959050-4LBSQW1MW  
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

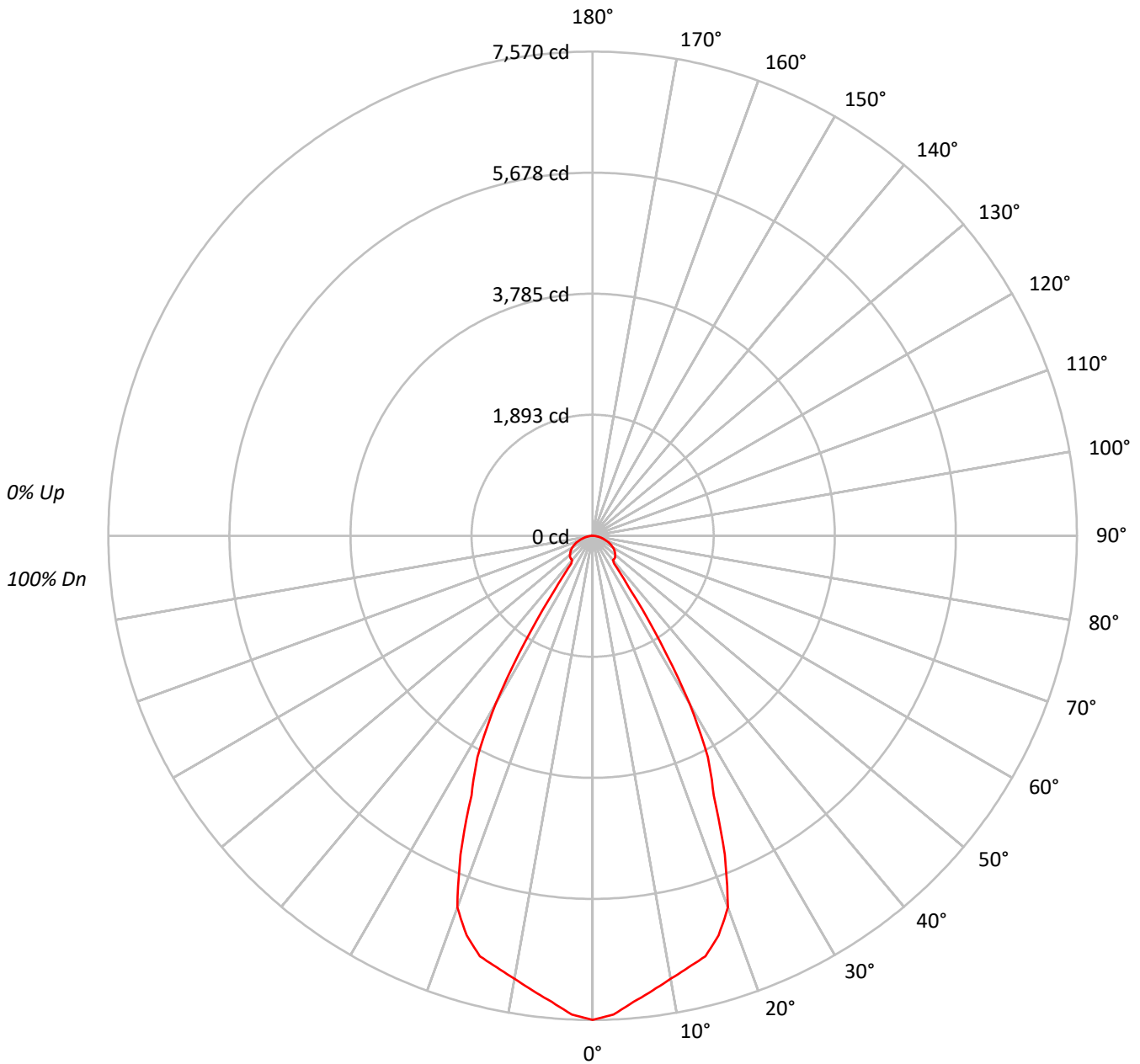
Lumens per Lamp: N/A  
Luminaire Lumens: 6732.7 lumens  
Efficiency: N/A  
Efficacy: 85.3 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 78.9  
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°	827060
5°	802482
10°	780119
15°	769872
20°	718904
25°	540078
30°	381783
35°	135237
40°	71115
45°	75745
50°	78429
55°	79911
60°	80394
65°	78697
70°	74274
75°	68811
80°	61096
85°	49518

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 80426 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	690.1	10.3
10°-20°	1893.0	28.1
20°-30°	2084.8	31.0
30°-40°	796.6	11.8
40°-50°	376.1	5.6
50°-60°	373.9	5.6
60°-70°	299.4	4.4
70°-80°	172.0	2.6
80°-90°	46.8	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°	4667.9	69.3
0°-40°	5464.5	81.2
0°-60°	6214.5	92.3
0°-90°	6732.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6732.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7570	
5°	7317	690
15°	6806	1893
25°	4480	2085
35°	1014	797
45°	490	376
55°	420	374
65°	304	299
75°	163	172
85°	40	47
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7569.6
2.5°	7490.5
5°	7316.7
7.5°	7171.7
10°	7031.5
12.5°	6912.8
15°	6806.1
17.5°	6548.5
20°	6182.9
22.5°	5394.3
25°	4479.9
27.5°	3899.8
30°	3026.1
32.5°	1954.7
35°	1013.9
37.5°	547.7
40°	498.6
42.5°	495.0
45°	490.2
47.5°	479.4
50°	461.4
52.5°	441.0
55°	419.5
57.5°	395.5
60°	367.9
62.5°	336.8
65°	304.4
67.5°	268.5
70°	232.5
72.5°	196.5
75°	163.0
77.5°	128.2
80°	97.1
82.5°	68.3
85°	39.5
87.5°	15.6
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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Scaled Data Report







— 0°-180°

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(END OF REPORT)