

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: P753559

Luminaire Tested: LD4D75BD010-EU4DR6570959030-4LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P753559  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D75BD010-EU4DR6570959030-4LBCSSQMW  
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

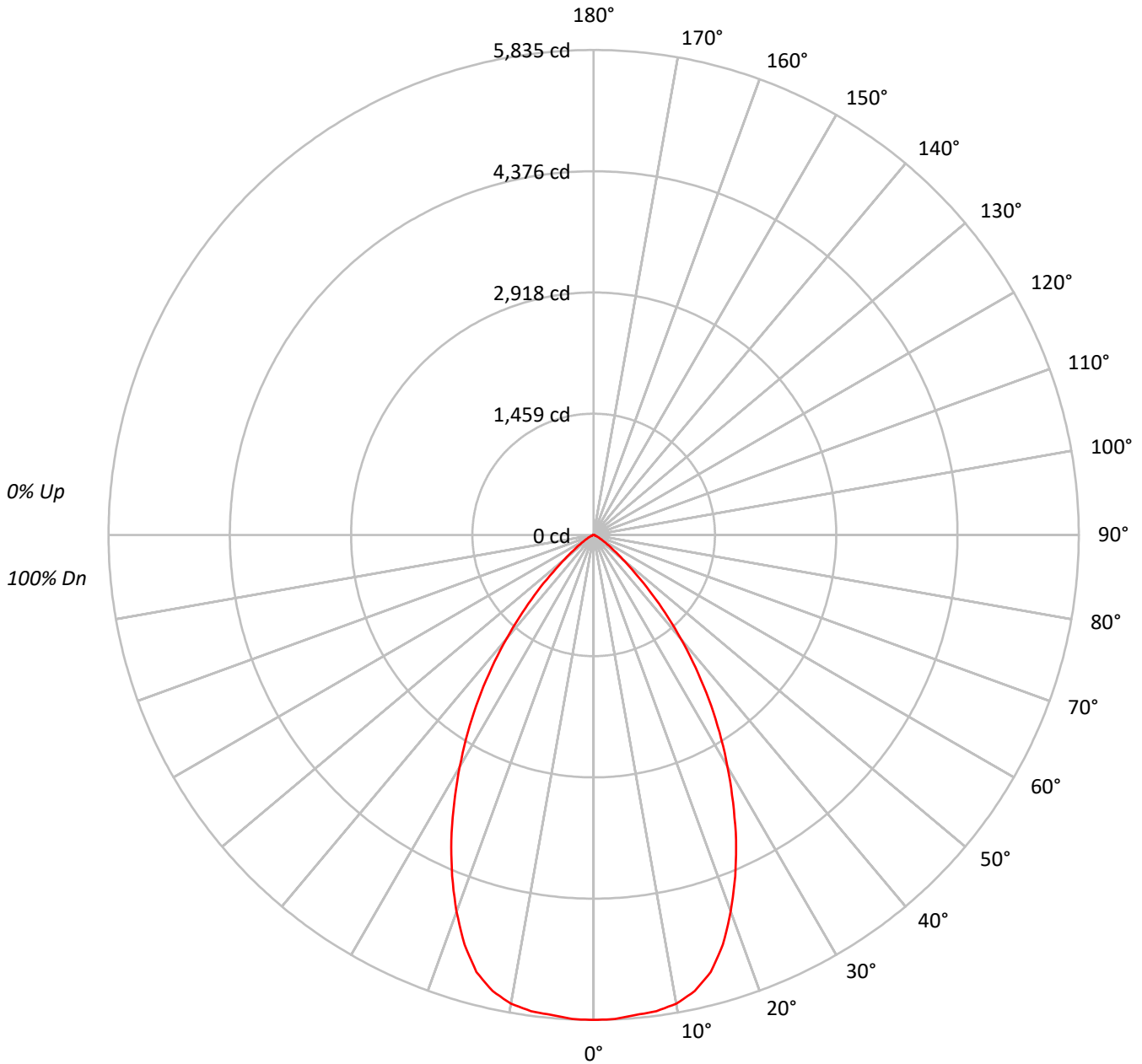
Lumens per Lamp: N/A  
Luminaire Lumens: 6426.3 lumens  
Efficiency: N/A  
Efficacy: 88.8 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct

Input Watts (W): 72.4  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93		
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85		
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78		
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72		
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66		
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61		
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56		
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52		
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49		
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46		

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

	0°
0°	340781
5°	339919
10°	339633
15°	329161
20°	299660
25°	261136
30°	217194
35°	172092
40°	124204
45°	78466
50°	40905
55°	21739
60°	11412
65°	6274
70°	2630
75°	2911
80°	2018
85°	1742

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 78466 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	551.8	8.6
10°-20°	1511.0	23.5
20°-30°	1847.0	28.7
30°-40°	1498.6	23.3
40°-50°	746.8	11.6
50°-60°	208.3	3.2
60°-70°	47.3	0.7
70°-80°	12.3	0.2
80°-90°	3.2	0.0
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°	3909.8	60.8
0°-40°	5408.4	84.2
0°-60°	6363.5	99.0
0°-90°	6426.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6426.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5835	
5°	5798	552
15°	5444	1511
25°	4052	1847
35°	2414	1499
45°	950	747
55°	214	208
65°	45	47
75°	13	12
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5834.9
2.5°	5830.6
5°	5798.0
7.5°	5779.2
10°	5726.9
12.5°	5620.5
15°	5443.9
17.5°	5167.8
20°	4821.4
22.5°	4447.6
25°	4052.3
27.5°	3629.6
30°	3220.6
32.5°	2816.7
35°	2413.7
37.5°	2011.6
40°	1629.1
42.5°	1270.7
45°	950.0
47.5°	661.9
50°	450.2
52.5°	310.4
55°	213.5
57.5°	144.1
60°	97.7
62.5°	67.7
65°	45.4
67.5°	23.2
70°	15.4
72.5°	14.6
75°	12.9
77.5°	8.6
80°	6.0
82.5°	4.3
85°	2.6
87.5°	1.7
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)