

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: P753673

Luminaire Tested: LD4D75BD010-EU4DR7070959040-4LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P753673  
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: LD4D75BD010-EU4DR7070959040-4LBSQW1MW  
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

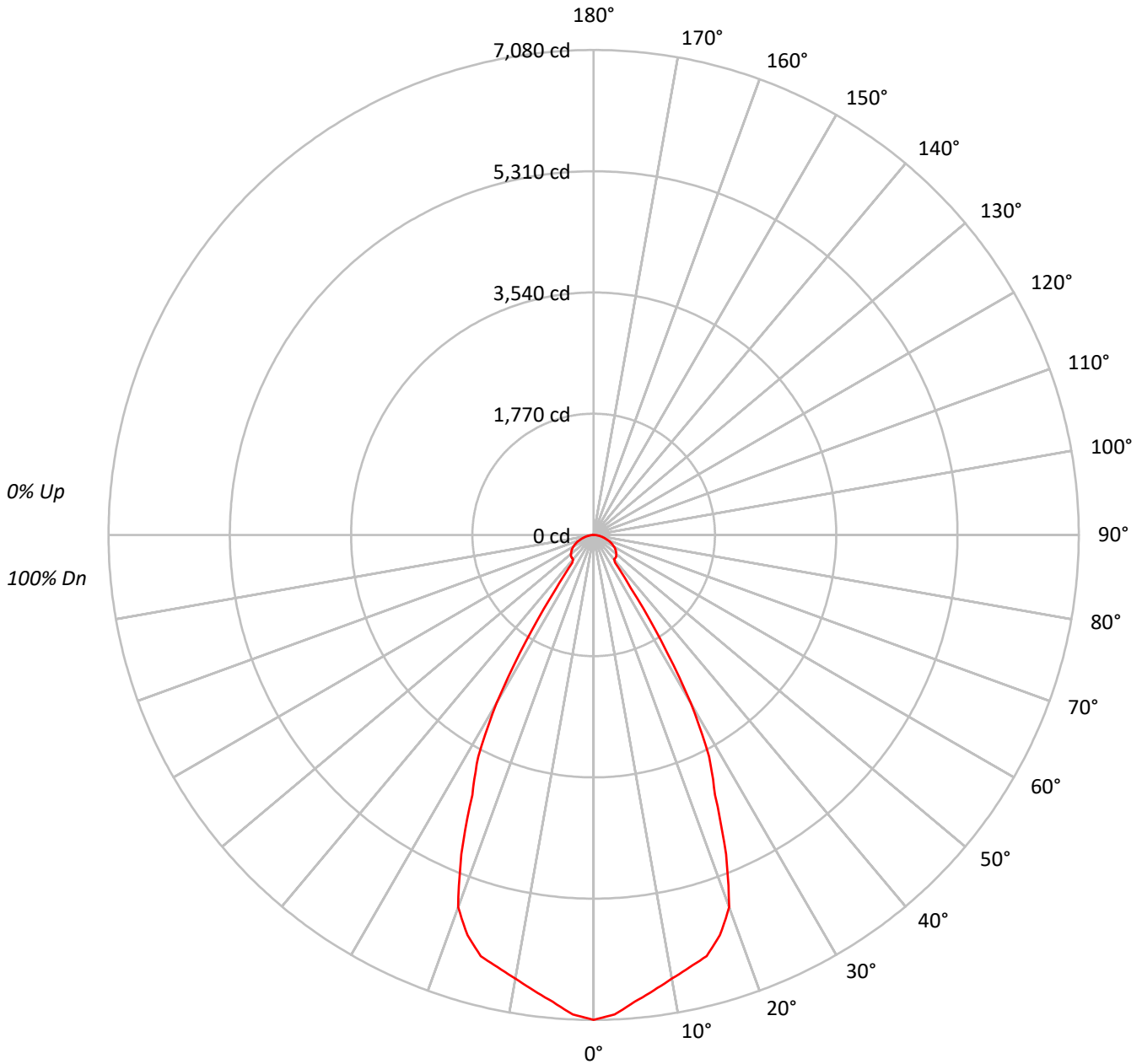
Lumens per Lamp: N/A  
Luminaire Lumens: 6297.3 lumens  
Efficiency: N/A  
Efficacy: 87.0 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 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	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°	773566
5°	750582
10°	729660
15°	720079
20°	672406
25°	505141
30°	357093
35°	126487
40°	66508
45°	70847
50°	73363
55°	74729
60°	75193
65°	73604
70°	69482
75°	64378
80°	57132
85°	46384

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 75220 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	645.5	10.3
10°-20°	1770.5	28.1
20°-30°	1950.0	31.0
30°-40°	745.0	11.8
40°-50°	351.8	5.6
50°-60°	349.7	5.6
60°-70°	280.0	4.4
70°-80°	160.9	2.6
80°-90°	43.8	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°	4366.0	69.3
0°-40°	5111.1	81.2
0°-60°	5812.6	92.3
0°-90°	6297.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6297.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7080	
5°	6844	645
15°	6366	1771
25°	4190	1950
35°	948	745
45°	458	352
55°	392	350
65°	285	280
75°	152	161
85°	37	44
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7080.0
2.5°	7006.0
5°	6843.5
7.5°	6707.8
10°	6576.7
12.5°	6465.7
15°	6365.9
17.5°	6124.9
20°	5783.0
22.5°	5045.4
25°	4190.1
27.5°	3647.6
30°	2830.4
32.5°	1828.3
35°	948.3
37.5°	512.3
40°	466.3
42.5°	463.0
45°	458.5
47.5°	448.4
50°	431.6
52.5°	412.5
55°	392.3
57.5°	369.9
60°	344.1
62.5°	315.0
65°	284.7
67.5°	251.1
70°	217.5
72.5°	183.8
75°	152.5
77.5°	119.9
80°	90.8
82.5°	63.9
85°	37.0
87.5°	14.6
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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— 0°-180°

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(END OF REPORT)