

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: P748135

Luminaire Tested: LD4D40BD010-EU4DR6540509040-4LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P748135  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D40BD010-EU4DR6540509040-4LBSQW1MW  
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

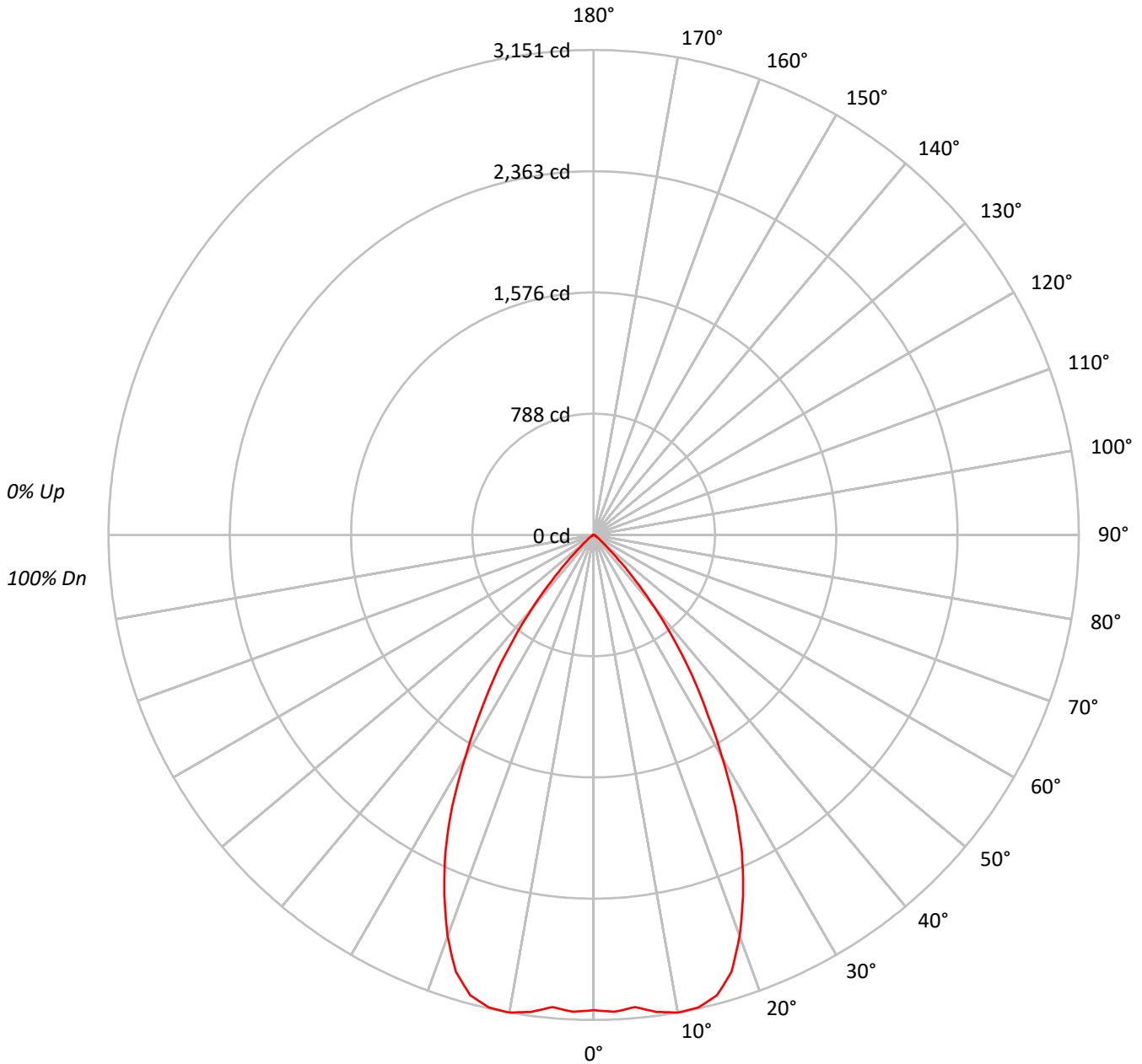
Lumens per Lamp: N/A  
Luminaire Lumens: 3136.9 lumens  
Efficiency: N/A  
Efficacy: 89.1 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 35.2  
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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93					93			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87					87			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80					80			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75					75			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69					69			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65					65			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60					60			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57					57			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53					53			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50					50			

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

	0°
0°	337452
5°	337732
10°	349625
15°	350204
20°	322413
25°	274711
30°	210302
35°	148575
40°	87703
45°	35601
50°	12901
55°	7181
60°	4130
65°	2275
70°	2396
75°	1857
80°	1951
85°	1630

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 35601 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	297.4	9.5
10°-20°	857.9	27.3
20°-30°	1029.3	32.8
30°-40°	691.7	22.0
40°-50°	207.1	6.6
50°-60°	36.5	1.2
60°-70°	10.4	0.3
70°-80°	5.1	0.2
80°-90°	1.6	0.1
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°	2184.5	69.6
0°-40°	2876.2	91.7
0°-60°	3119.8	99.5
0°-90°	3136.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3136.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3088	
5°	3079	297
15°	3096	858
25°	2279	1029
35°	1114	692
45°	230	207
55°	38	37
65°	9	10
75°	4	5
85°	1	2
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3088.5
2.5°	3101.7
5°	3079.3
7.5°	3125.8
10°	3151.3
12.5°	3145.1
15°	3096.0
17.5°	2975.7
20°	2772.9
22.5°	2534.2
25°	2278.7
27.5°	1990.4
30°	1666.9
32.5°	1373.7
35°	1113.9
37.5°	857.2
40°	614.9
42.5°	401.6
45°	230.4
47.5°	122.0
50°	75.9
52.5°	52.7
55°	37.7
57.5°	27.2
60°	18.9
62.5°	12.3
65°	8.8
67.5°	7.9
70°	7.5
72.5°	5.7
75°	4.4
77.5°	4.0
80°	3.1
82.5°	2.2
85°	1.3
87.5°	0.9
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)