

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: P756467

Luminaire Tested: LD4D95BD010-EU4DR5070959035-4LBSQW1B

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P756467  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D95BD010-EU4DR5070959035-4LBSQW1B  
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 50° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

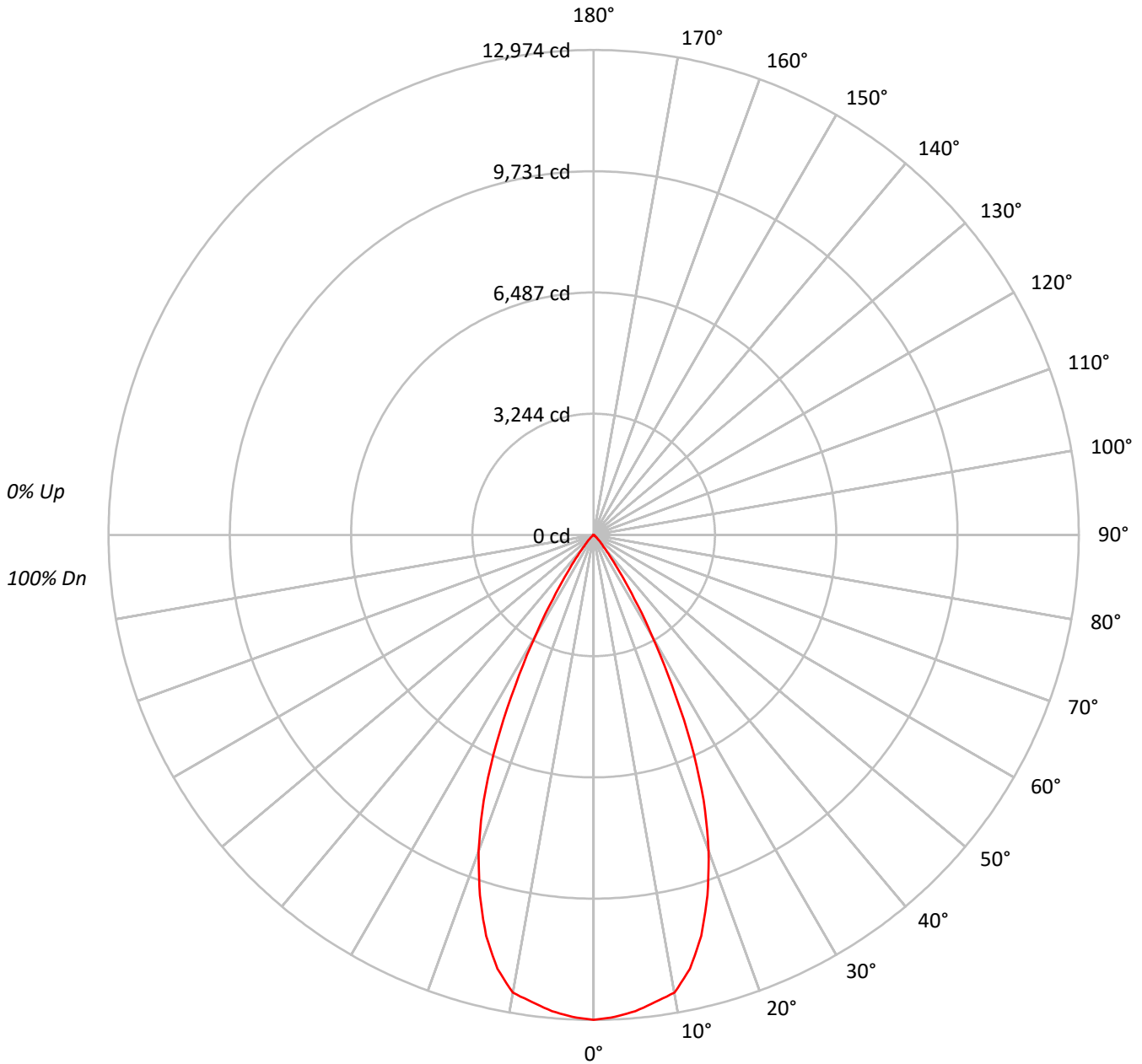
Lumens per Lamp: N/A  
Luminaire Lumens: 8051.9 lumens  
Efficiency: N/A  
Efficacy: 81.2 lumens/watt  
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 99.2  
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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95				
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90				
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85				
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80				
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76				
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72				
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69				
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65				
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62				
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59				

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

	0°
0°	1417516
5°	1402651
10°	1379550
15°	1256188
20°	1045293
25°	742010
30°	392747
35°	160046
40°	59434
45°	27211
50°	11151
55°	5829
60°	2863
65°	853
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 27211 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1208.8	15.0
10°-20°	3054.9	37.9
20°-30°	2744.1	34.1
30°-40°	859.2	10.7
40°-50°	150.4	1.9
50°-60°	30.0	0.4
60°-70°	4.5	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	7007.8	87.0
0°-40°	7867.0	97.7
0°-60°	8047.4	99.9
0°-90°	8051.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8051.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	12974	
5°	12789	###
15°	11105	3055
25°	6155	2744
35°	1200	859
45°	176	150
55°	31	30
65°	3	5
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	12973.7
2.5°	12909.1
5°	12788.8
7.5°	12605.0
10°	12434.4
12.5°	11887.5
15°	11105.4
17.5°	10112.3
20°	8990.0
22.5°	7691.7
25°	6154.9
27.5°	4525.1
30°	3113.0
32.5°	2026.8
35°	1199.9
37.5°	689.1
40°	416.7
42.5°	271.3
45°	176.1
47.5°	107.2
50°	65.6
52.5°	44.8
55°	30.6
57.5°	20.8
60°	13.1
62.5°	7.7
65°	3.3
67.5°	1.1
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)