

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: P752866

Luminaire Tested: LD4D70BD010-EU4DR7070959030-4LBSQW1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P752866  
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: LD4D70BD010-EU4DR7070959030-4LBSQW1B  
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

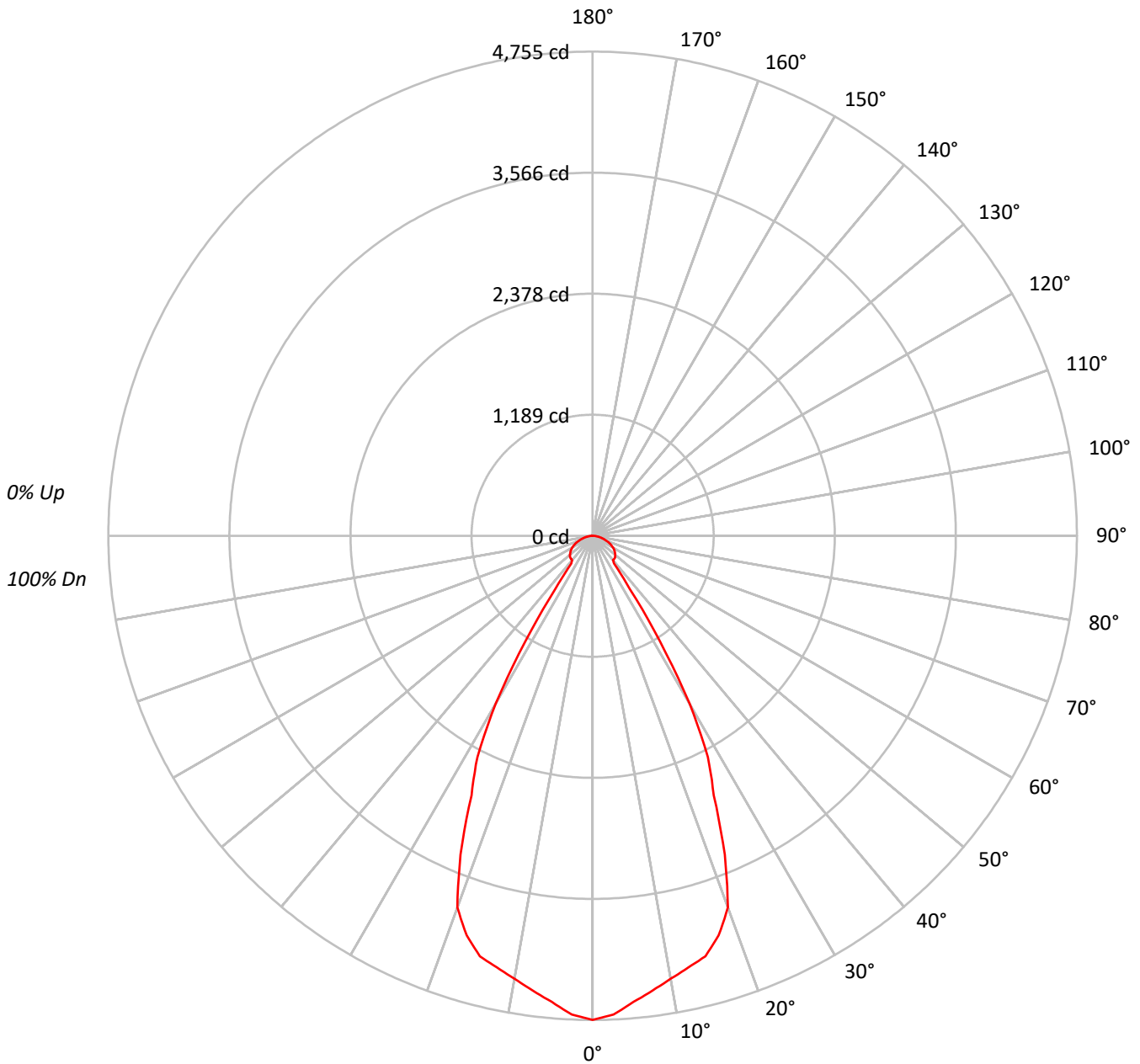
Lumens per Lamp: N/A  
Luminaire Lumens: 4229.2 lumens  
Efficiency: N/A  
Efficacy: 63.5 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 66.6  
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	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°	519524
5°	504092
10°	490039
15°	483601
20°	451592
25°	339256
30°	239824
35°	84951
40°	44672
45°	47576
50°	49260
55°	50194
60°	50500
65°	49432
70°	46641
75°	43228
80°	38382
85°	31090

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 50513 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	433.5	10.3
10°-20°	1189.1	28.1
20°-30°	1309.6	31.0
30°-40°	500.4	11.8
40°-50°	236.2	5.6
50°-60°	234.9	5.6
60°-70°	188.0	4.4
70°-80°	108.1	2.6
80°-90°	29.4	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°	2932.2	69.3
0°-40°	3432.6	81.2
0°-60°	3903.7	92.3
0°-90°	4229.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4229.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4755	
5°	4596	434
15°	4275	1189
25°	2814	1310
35°	637	500
45°	308	236
55°	264	235
65°	191	188
75°	102	108
85°	25	29
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4754.9
2.5°	4705.2
5°	4596.1
7.5°	4505.0
10°	4416.9
12.5°	4342.3
15°	4275.3
17.5°	4113.5
20°	3883.9
22.5°	3388.5
25°	2814.1
27.5°	2449.7
30°	1900.9
32.5°	1227.9
35°	636.9
37.5°	344.0
40°	313.2
42.5°	310.9
45°	307.9
47.5°	301.1
50°	289.8
52.5°	277.0
55°	263.5
57.5°	248.4
60°	231.1
62.5°	211.5
65°	191.2
67.5°	168.6
70°	146.0
72.5°	123.5
75°	102.4
77.5°	80.6
80°	61.0
82.5°	42.9
85°	24.8
87.5°	9.8
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)