

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P751306

Luminaire Tested: LD4D60D010-EU4DR7055659030-4LBSQW1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P751306  
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: LD4D60D010-EU4DR7055659030-4LBSQW1B  
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: 3751.5 lumens  
Efficiency: N/A  
Efficacy: 58.3 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

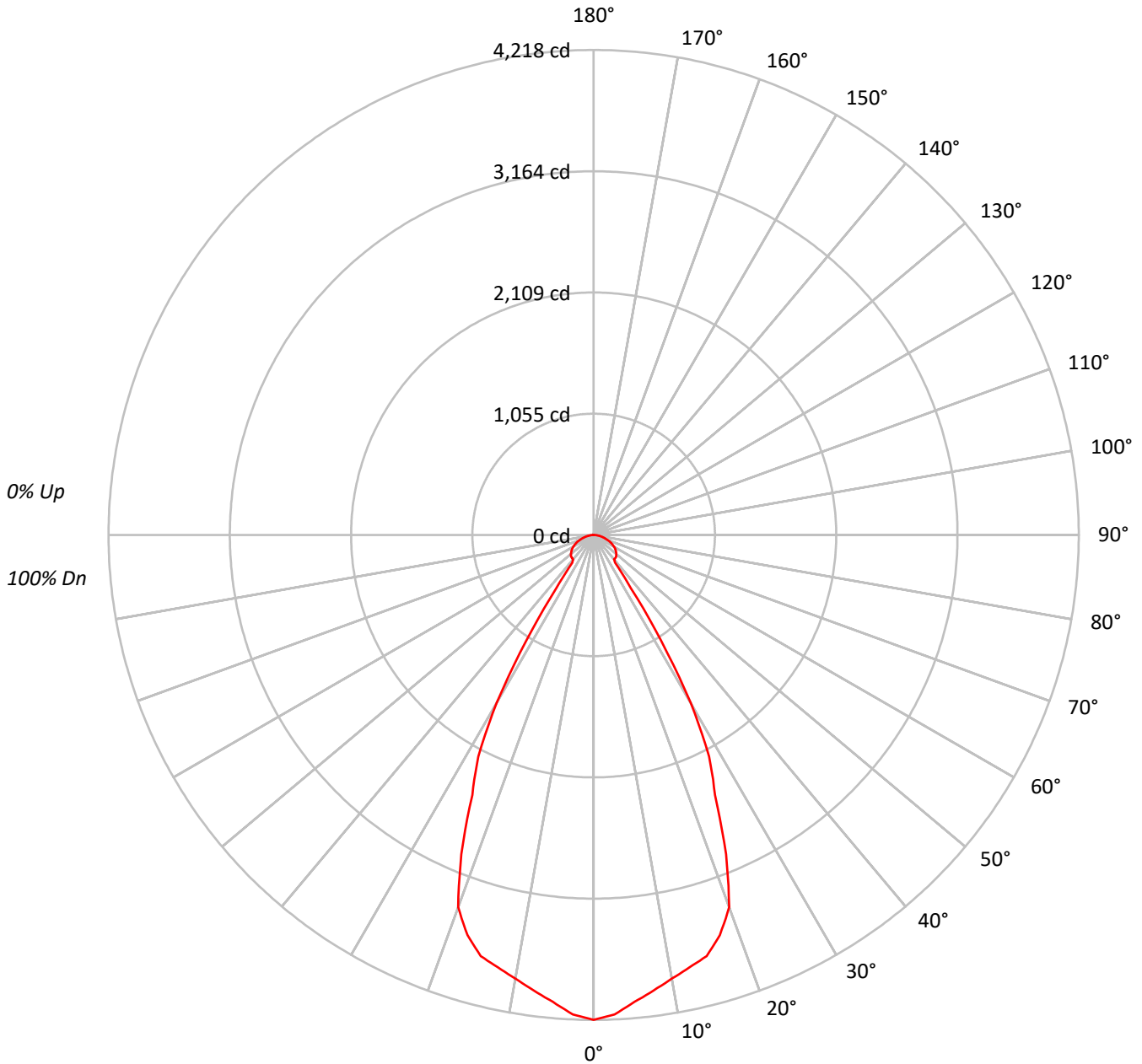
Input Watts (W): 64.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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°	460840
5°	447147
10°	434676
15°	428978
20°	400572
25°	300932
30°	212737
35°	75361
40°	39623
45°	42199
50°	43702
55°	44518
60°	44797
65°	43847
70°	41402
75°	38331
80°	34040
85°	27580

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 44819 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	384.5	10.3
10°-20°	1054.8	28.1
20°-30°	1161.7	31.0
30°-40°	443.9	11.8
40°-50°	209.6	5.6
50°-60°	208.3	5.6
60°-70°	166.8	4.4
70°-80°	95.9	2.6
80°-90°	26.1	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°	2601.0	69.3
0°-40°	3044.8	81.2
0°-60°	3462.7	92.3
0°-90°	3751.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3751.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4218	
5°	4077	385
15°	3792	1055
25°	2496	1162
35°	565	444
45°	273	210
55°	234	208
65°	170	167
75°	91	96
85°	22	26
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4217.8
2.5°	4173.7
5°	4076.9
7.5°	3996.1
10°	3917.9
12.5°	3851.8
15°	3792.4
17.5°	3648.8
20°	3445.1
22.5°	3005.7
25°	2496.2
27.5°	2173.0
30°	1686.2
32.5°	1089.2
35°	565.0
37.5°	305.2
40°	277.8
42.5°	275.8
45°	273.1
47.5°	267.1
50°	257.1
52.5°	245.7
55°	233.7
57.5°	220.4
60°	205.0
62.5°	187.6
65°	169.6
67.5°	149.6
70°	129.6
72.5°	109.5
75°	90.8
77.5°	71.5
80°	54.1
82.5°	38.1
85°	22.0
87.5°	8.7
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)