

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: P747420

Luminaire Tested: LD4D35BD010-EU4DR7020359035-4LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P747420  
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: LD4D35BD010-EU4DR7020359035-4LBSQW1MW  
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

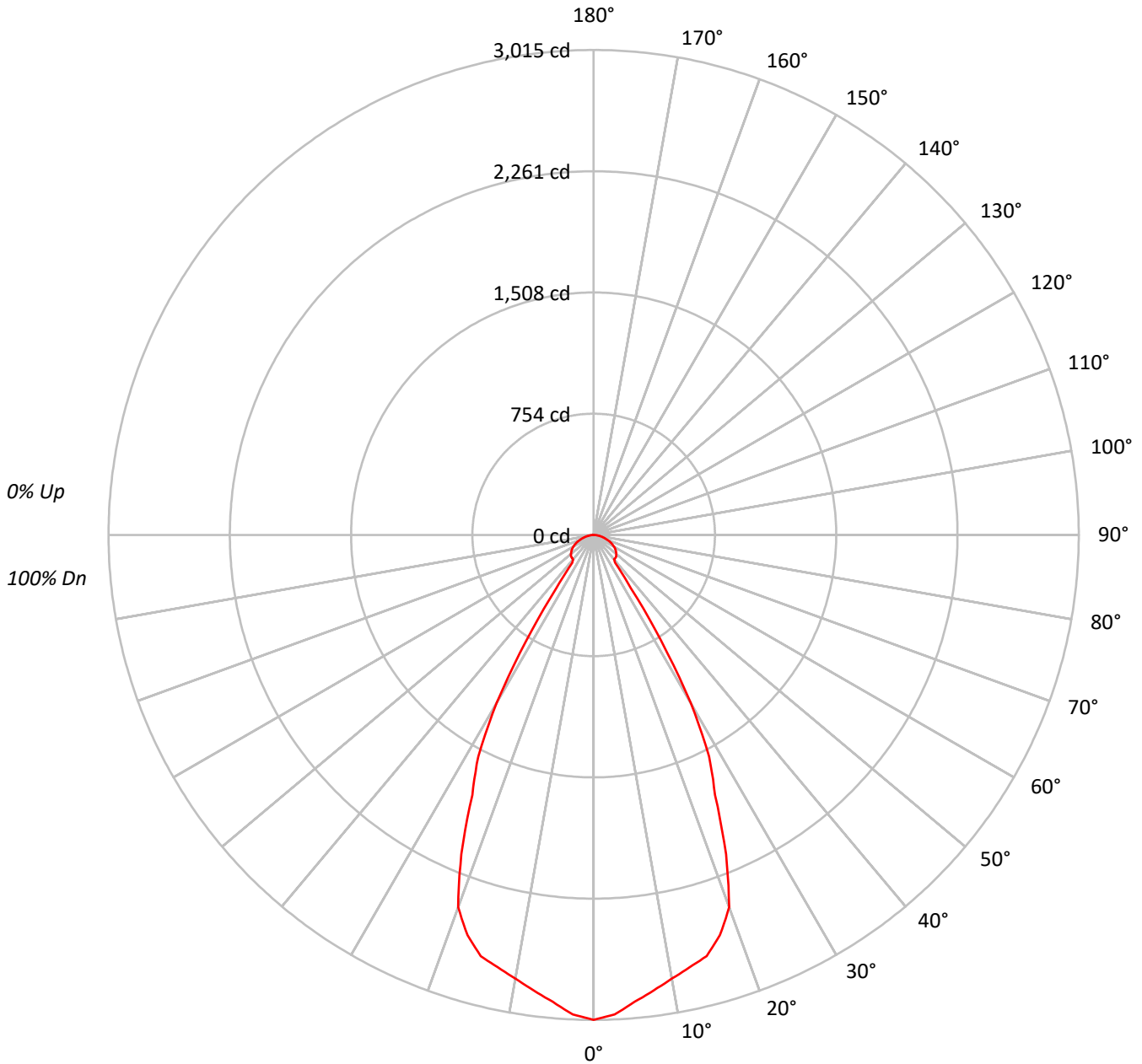
Lumens per Lamp: N/A  
Luminaire Lumens: 2681.6 lumens  
Efficiency: N/A  
Efficacy: 87.1 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 30.8  
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°	329421
5°	319624
10°	310716
15°	306644
20°	286345
25°	215108
30°	152065
35°	53860
40°	28326
45°	30162
50°	31242
55°	31831
60°	32013
65°	31334
70°	29582
75°	27398
80°	24350
85°	19807

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 32028 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	274.9	10.3
10°-20°	754.0	28.1
20°-30°	830.4	31.0
30°-40°	317.3	11.8
40°-50°	149.8	5.6
50°-60°	148.9	5.6
60°-70°	119.2	4.4
70°-80°	68.5	2.6
80°-90°	18.6	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°	1859.2	69.3
0°-40°	2176.5	81.2
0°-60°	2475.3	92.3
0°-90°	2681.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2681.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3015	
5°	2914	275
15°	2711	754
25°	1784	830
35°	404	317
45°	195	150
55°	167	149
65°	121	119
75°	65	69
85°	16	19
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3015.0
2.5°	2983.5
5°	2914.2
7.5°	2856.5
10°	2800.6
12.5°	2753.4
15°	2710.9
17.5°	2608.3
20°	2462.7
22.5°	2148.6
25°	1784.3
27.5°	1553.3
30°	1205.3
32.5°	778.6
35°	403.8
37.5°	218.2
40°	198.6
42.5°	197.1
45°	195.2
47.5°	190.9
50°	183.8
52.5°	175.7
55°	167.1
57.5°	157.5
60°	146.5
62.5°	134.1
65°	121.2
67.5°	106.9
70°	92.6
72.5°	78.3
75°	64.9
77.5°	51.1
80°	38.7
82.5°	27.2
85°	15.8
87.5°	6.2
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)