

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: P747397

Luminaire Tested: LD4D35BD010-EU4DR7020359030-4LBCSSQMW

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P747397  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D35BD010-EU4DR7020359030-4LBCSSQMW  
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3204.1 lumens  
Efficiency: N/A  
Efficacy: 104.0 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

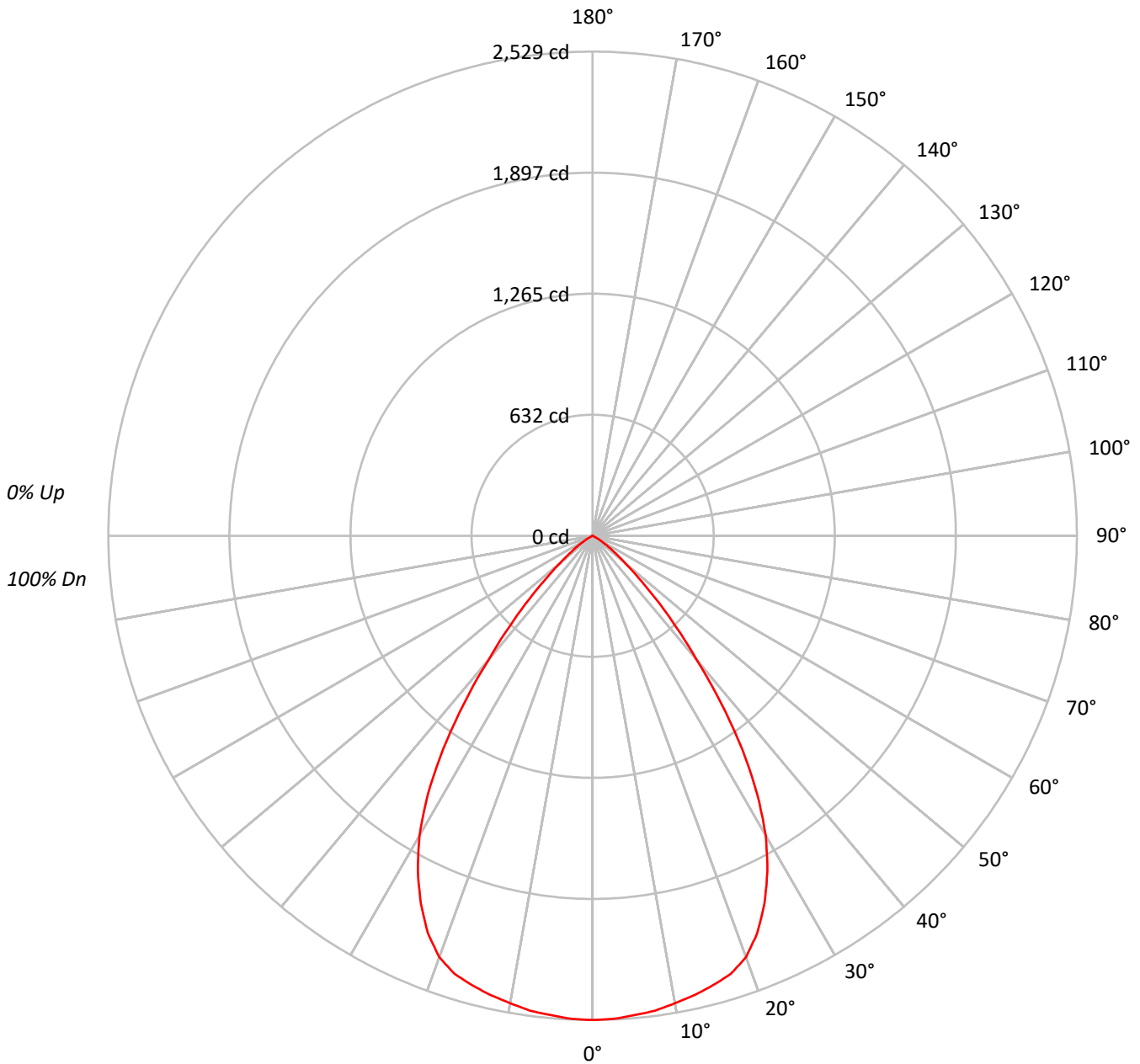
Input Watts (W): 30.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20		
RC	80				70				50				30				10		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93	93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78	78
4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71	71
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65	65
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60	60
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	61	57	56	56
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51	51
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48	48
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44	44

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

	0°
0°	276320
5°	275621
10°	275025
15°	274949
20°	272265
25°	255759
30°	228003
35°	181787
40°	120708
45°	72160
50°	37413
55°	19659
60°	6949
65°	129
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 72160 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.0	7.5
10°-20°	685.4	21.4
20°-30°	966.9	30.2
30°-40°	834.7	26.1
40°-50°	373.8	11.7
50°-60°	97.9	3.1
60°-70°	6.4	0.2
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°	1891.3	59.0
0°-40°	2726.0	85.1
0°-60°	3197.7	99.8
0°-90°	3204.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3204.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2529	
5°	2513	239
15°	2431	685
25°	2122	967
35°	1363	835
45°	467	374
55°	103	98
65°	0	6
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2529.0
2.5°	2526.2
5°	2513.0
7.5°	2502.1
10°	2478.9
12.5°	2458.0
15°	2430.7
17.5°	2399.3
20°	2341.6
22.5°	2246.5
25°	2121.5
27.5°	1976.4
30°	1807.2
32.5°	1600.3
35°	1362.9
37.5°	1101.0
40°	846.3
42.5°	643.0
45°	467.0
47.5°	322.0
50°	220.1
52.5°	151.9
55°	103.2
57.5°	62.3
60°	31.8
62.5°	10.0
65°	0.5
67.5°	0.0
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

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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)