

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: P743145

Luminaire Tested: LD4D15D010-EU4DR300215IC9035-4LBDP1H

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P743145  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D15D010-EU4DR300215IC9035-4LBDP1H  
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1384.4 lumens  
Efficiency: N/A  
Efficacy: 87.6 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

Input Watts (W): 15.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

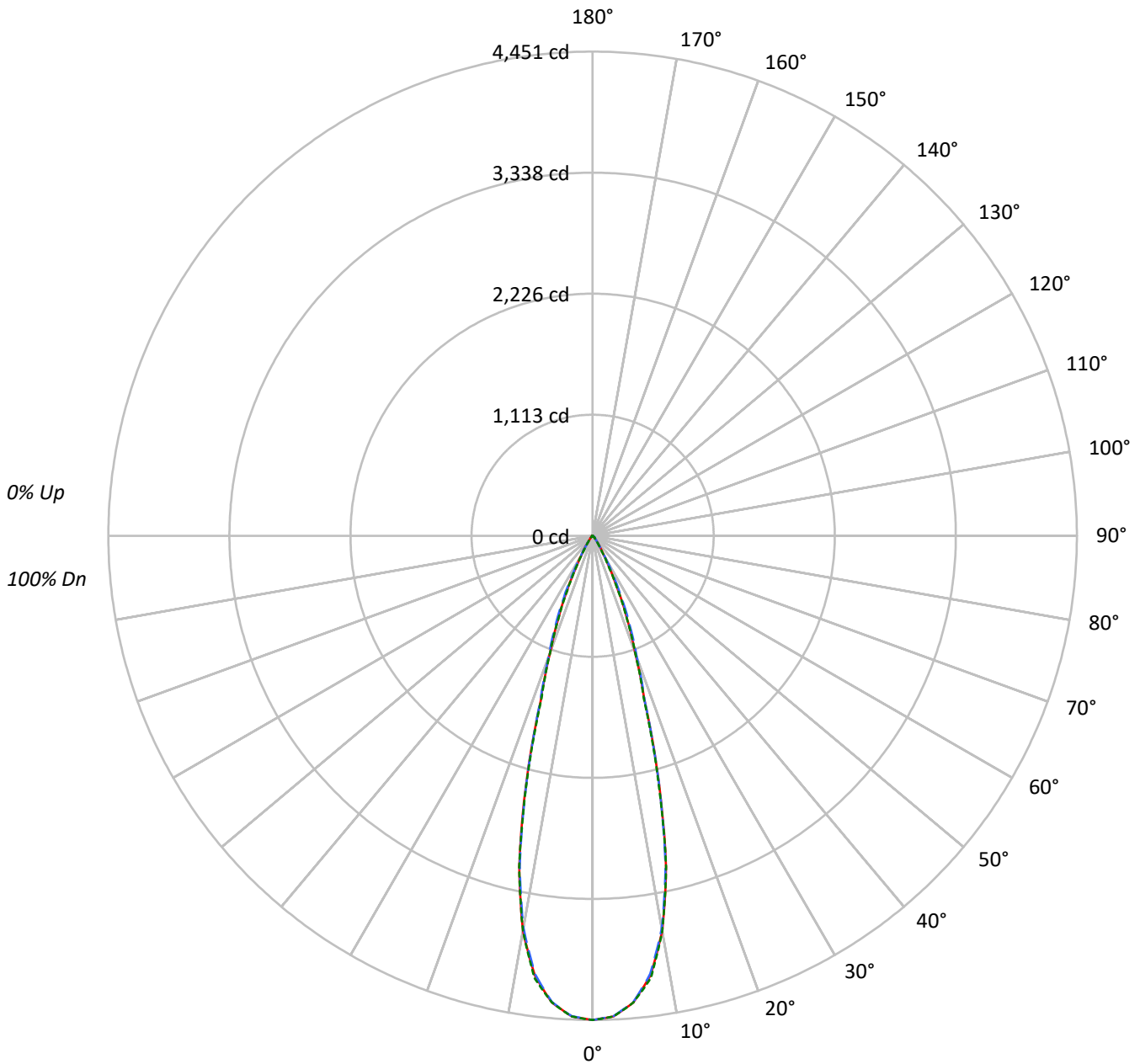


Downlight



TEST NUMBER: P743145  
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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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

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

	0°	45°	90°
0°	340725	340725	340725
5°	330947	330555	330955
10°	286647	284626	286577
15°	187023	186016	185081
20°	92998	96484	92876
25°	46848	52827	45885
30°	18755	20435	16342
35°	8699	8335	6989
40°	3757	4177	3537
45°	2652	3291	2674
50°	917	2394	965
55°	534	988	547
60°	367	444	367
65°	235	235	235
70°	134	112	134
75°	0	59	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 3291 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	391.4	28.3
10°-20°	630.4	45.5
20°-30°	272.4	19.7
30°-40°	62.1	4.5
40°-50°	21.3	1.5
50°-60°	5.2	0.4
60°-70°	1.4	0.1
70°-80°	0.1	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°	1294.2	93.5
0°-40°	1356.3	98.0
0°-60°	1382.9	99.9
0°-90°	1384.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1384.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4451	4451	4451	4451	4451	
5°	4307	4303	4302	4311	4307	392
15°	2360	2332	2347	2340	2336	632
25°	555	576	626	561	543	265
35°	93	95	89	88	75	63
45°	24	30	30	30	25	17
55°	4	4	7	4	4	4
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4451.4	4451.4	4451.4	4451.4	4451.4
2.5°	4421.9	4418.8	4420.5	4422.8	4423.6
5°	4307.2	4303.0	4302.1	4311.1	4307.3
7.5°	4075.7	4069.8	4060.8	4081.2	4100.2
10°	3688.0	3681.4	3662.0	3671.6	3687.1
12.5°	3115.6	3094.4	3094.0	3124.6	3120.4
15°	2360.1	2331.7	2347.4	2339.8	2335.6
17.5°	1587.1	1576.2	1597.2	1590.8	1563.5
20°	1141.7	1144.5	1184.5	1164.4	1140.2
22.5°	833.1	843.4	890.8	839.0	820.0
25°	554.7	575.6	625.5	561.0	543.3
27.5°	341.1	350.8	401.2	336.8	327.2
30°	212.2	207.4	231.2	198.4	184.9
32.5°	139.2	133.1	140.7	126.3	115.4
35°	93.1	95.1	89.2	88.5	74.8
37.5°	58.2	66.9	59.0	63.0	48.1
40°	37.6	48.5	41.8	46.1	35.4
42.5°	30.8	37.4	34.3	36.5	31.5
45°	24.5	30.4	30.4	30.4	24.7
47.5°	13.5	20.3	26.0	20.7	14.4
50°	7.7	10.3	20.1	10.7	8.1
52.5°	5.3	5.9	13.8	6.1	5.4
55°	4.0	4.1	7.4	4.4	4.1
57.5°	3.0	3.3	4.0	3.3	3.0
60°	2.4	2.4	2.9	2.6	2.4
62.5°	1.8	1.8	1.9	1.8	1.8
65°	1.3	1.3	1.3	1.3	1.3
67.5°	0.6	0.9	0.9	0.9	0.9
70°	0.6	0.5	0.5	0.5	0.6
72.5°	0.5	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - 90°-270°

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(END OF REPORT)