

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: P746425

Luminaire Tested: LD4D30D010-EU4DR5520359050-4LBDP1LI

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P746425  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-52)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D30D010-EU4DR5520359050-4LBDP1LI  
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 55° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3082.8 lumens  
Efficiency: N/A  
Efficacy: 106.3 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.87  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 29  
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

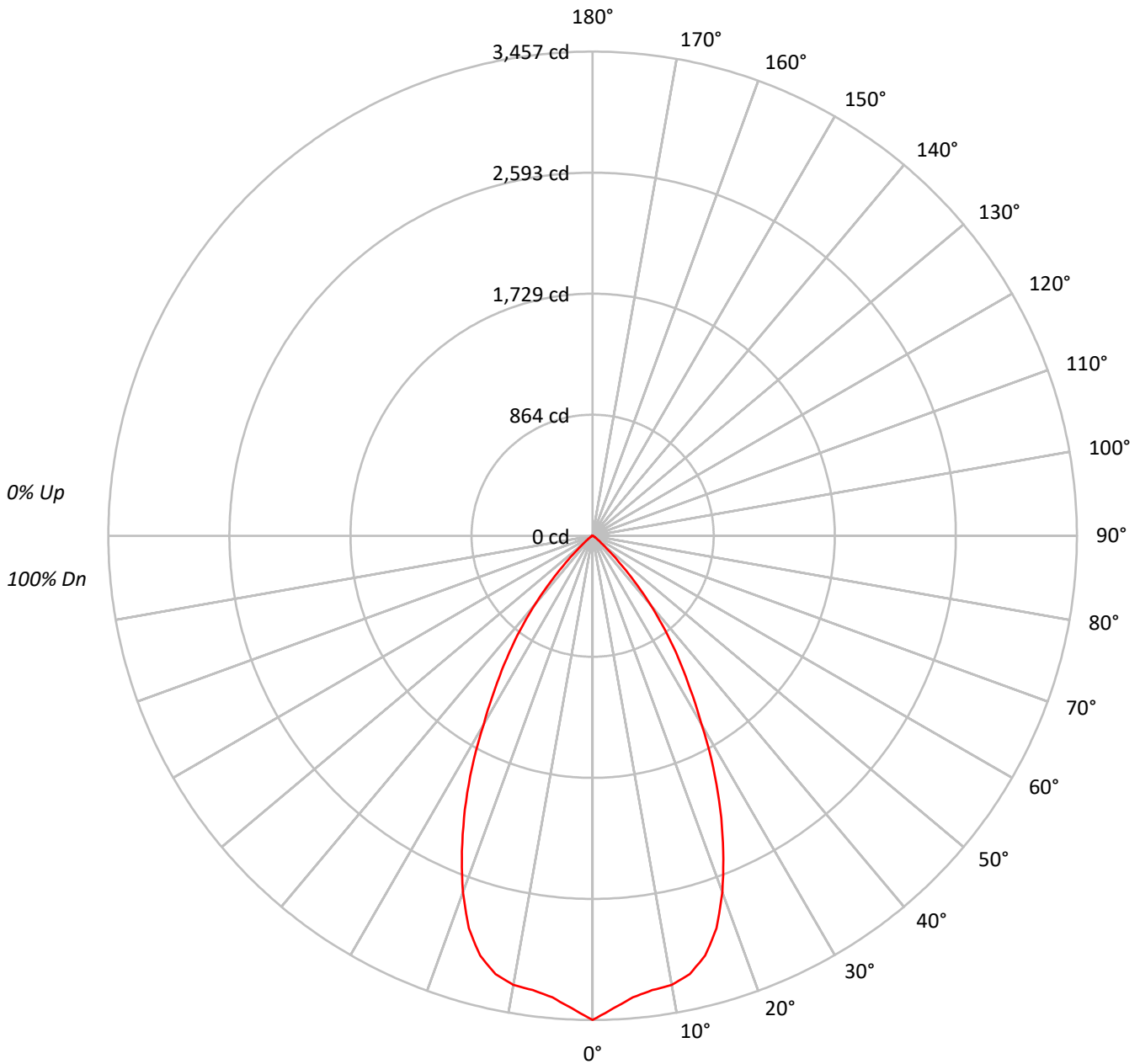


Downlight



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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	100	100	100	100													
	1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94	94	94	94	94	94													
	2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87	87	87	87	87	87													
	3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81	81	81	81	81	81													
	4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75	75	75	75	75	75													
	5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70	70	70	70	70	70													
	6	88	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65	65	65	65	65	65													
	7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	65	62	61	61	61	61	61	61													
	8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	62	58	57	57	57	57	57	57													
	9	75	66	60	56	74	65	59	55	64	59	55	63	58	55	62	58	55	54	54	54	54	54	54													
	10	72	62	56	52	71	61	56	52	61	56	52	60	55	52	59	55	52	50	50	50	50	50	50													

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

	0°
0°	377693
5°	362695
10°	361330
15°	350951
20°	314681
25°	260063
30°	196449
35°	142439
40°	91155
45°	41643
50°	13615
55°	5867
60°	2535
65°	336
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 41643 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	314.7	10.2
10°-20°	858.8	27.9
20°-30°	978.7	31.7
30°-40°	666.3	21.6
40°-50°	229.6	7.4
50°-60°	31.7	1.0
60°-70°	3.1	0.1
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°	2152.1	69.8
0°-40°	2818.4	91.4
0°-60°	3079.7	99.9
0°-90°	3082.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3082.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3457	
5°	3307	315
15°	3103	859
25°	2157	979
35°	1068	666
45°	270	230
55°	31	32
65°	1	3
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3456.8
2.5°	3377.6
5°	3306.9
7.5°	3272.2
10°	3256.8
12.5°	3205.4
15°	3102.6
17.5°	2939.4
20°	2706.4
22.5°	2437.3
25°	2157.2
27.5°	1865.5
30°	1557.1
32.5°	1295.8
35°	1067.9
37.5°	851.2
40°	639.1
42.5°	442.9
45°	269.5
47.5°	145.2
50°	80.1
52.5°	47.6
55°	30.8
57.5°	19.7
60°	11.6
62.5°	5.2
65°	1.3
67.5°	0.4
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

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)