

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: P745527

Luminaire Tested: LD4D25D010-EU4DR6020359030-4LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P745527  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D25D010-EU4DR6020359030-4LBDP1H  
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2389.5 lumens  
Efficiency: N/A  
Efficacy: 95.2 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 25.1  
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

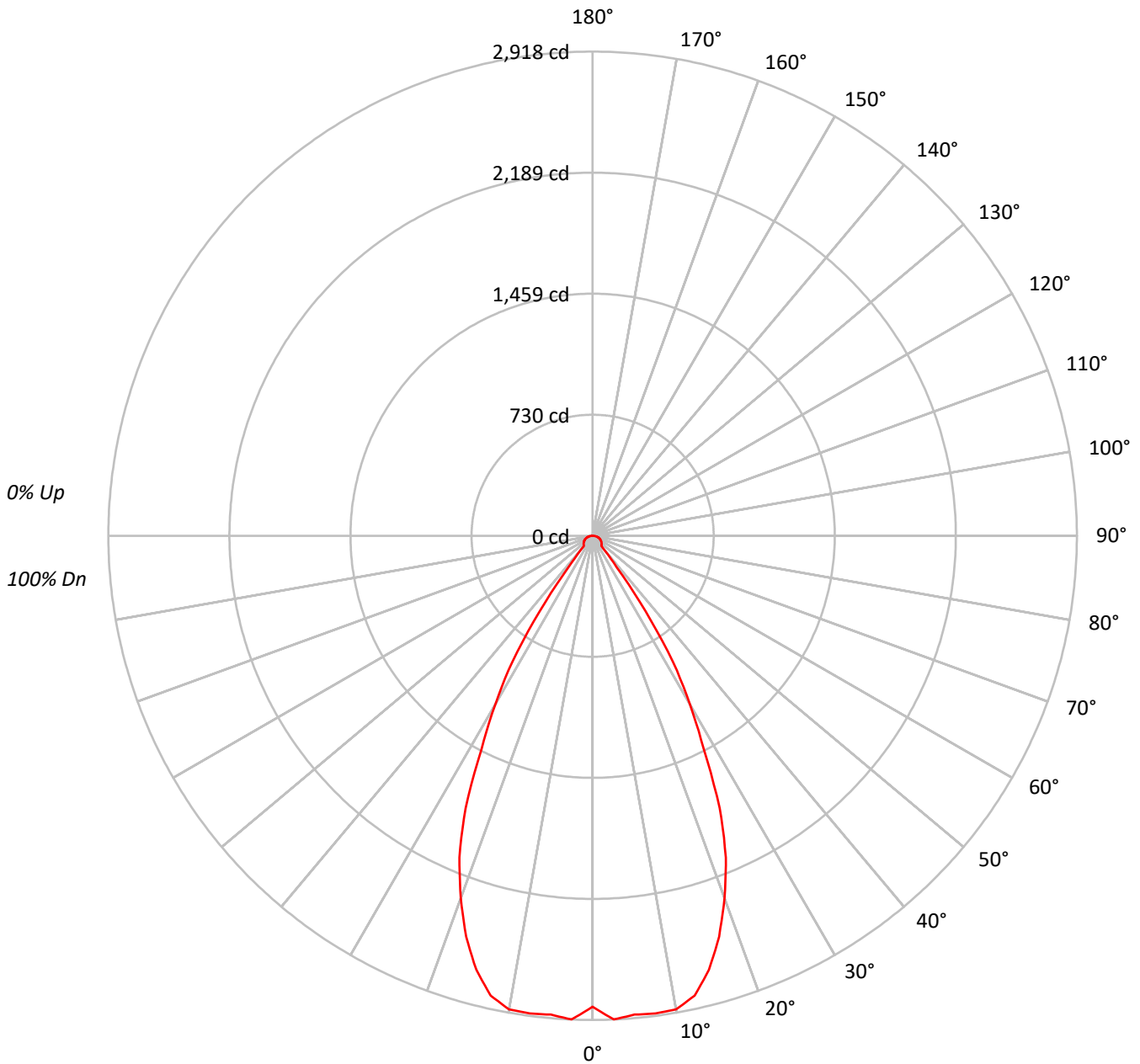


Downlight



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				20			
RC	80				70				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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93		
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86		
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80		
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70		
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66		
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62		
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59		
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55		
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53		

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

	0°
0°	310071
5°	317694
10°	321533
15°	306304
20°	270067
25°	218435
30°	147750
35°	74041
40°	12009
45°	11759
50°	11984
55°	12172
60°	12499
65°	12797
70°	13098
75°	13256
80°	12773
85°	10656

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 13256 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	276.8	11.6
10°-20°	749.0	31.3
20°-30°	805.9	33.7
30°-40°	350.3	14.7
40°-50°	58.8	2.5
50°-60°	57.2	2.4
60°-70°	48.9	2.0
70°-80°	32.7	1.4
80°-90°	9.8	0.4
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°	1831.7	76.7
0°-40°	2182.0	91.3
0°-60°	2298.1	96.2
0°-90°	2389.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2389.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2838	
5°	2897	277
15°	2708	749
25°	1812	806
35°	555	350
45°	76	59
55°	64	57
65°	50	49
75°	31	33
85°	8	10
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2837.9
2.5°	2917.7
5°	2896.6
7.5°	2903.3
10°	2898.1
12.5°	2838.3
15°	2707.9
17.5°	2532.8
20°	2322.7
22.5°	2097.7
25°	1811.9
27.5°	1449.2
30°	1171.1
32.5°	902.6
35°	555.1
37.5°	237.5
40°	84.2
42.5°	77.6
45°	76.1
47.5°	73.5
50°	70.5
52.5°	67.2
55°	63.9
57.5°	60.6
60°	57.2
62.5°	53.6
65°	49.5
67.5°	45.4
70°	41.0
72.5°	36.2
75°	31.4
77.5°	25.8
80°	20.3
82.5°	14.4
85°	8.5
87.5°	3.0
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)