

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: P746475

Luminaire Tested: LD4D30D010-EU4DR6020359035-4LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P746475  
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: LD4D30D010-EU4DR6020359035-4LBDP1B  
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2232.8 lumens  
Efficiency: N/A  
Efficacy: 77.0 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): 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

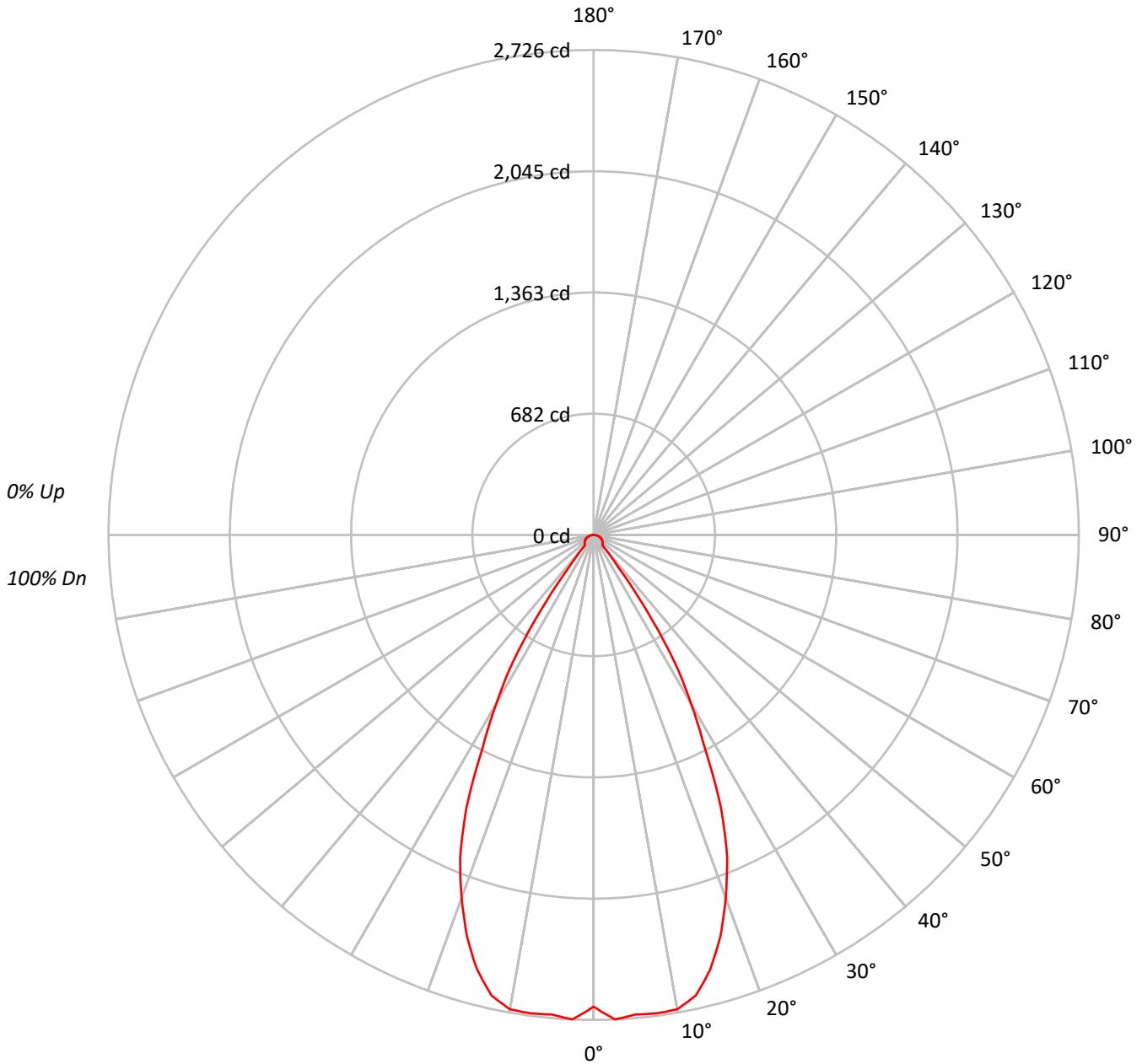


Downlight



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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				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	0
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°	289727
5°	296844
10°	300431
15°	286204
20°	252335
25°	204101
30°	138061
35°	69186
40°	11225
45°	10986
50°	11202
55°	11372
60°	11691
65°	11944
70°	12235
75°	12369
80°	11955
85°	10029

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 12369 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	258.7	11.6
10°-20°	699.9	31.3
20°-30°	753.0	33.7
30°-40°	327.3	14.7
40°-50°	55.0	2.5
50°-60°	53.5	2.4
60°-70°	45.7	2.0
70°-80°	30.6	1.4
80°-90°	9.2	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°	1711.5	76.7
0°-40°	2038.9	91.3
0°-60°	2147.3	96.2
0°-90°	2232.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2232.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2652	
5°	2706	259
15°	2530	700
25°	1693	753
35°	519	327
45°	71	55
55°	60	53
65°	46	46
75°	29	31
85°	8	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2651.7
2.5°	2726.2
5°	2706.5
7.5°	2712.8
10°	2707.9
12.5°	2652.0
15°	2530.2
17.5°	2366.6
20°	2170.2
22.5°	1960.1
25°	1693.0
27.5°	1354.1
30°	1094.3
32.5°	843.4
35°	518.7
37.5°	221.9
40°	78.7
42.5°	72.5
45°	71.1
47.5°	68.7
50°	65.9
52.5°	62.8
55°	59.7
57.5°	56.6
60°	53.5
62.5°	50.0
65°	46.2
67.5°	42.5
70°	38.3
72.5°	33.8
75°	29.3
77.5°	24.2
80°	19.0
82.5°	13.5
85°	8.0
87.5°	2.8
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)