

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: P755030

Luminaire Tested: LD4D85BD010-EU4DR6070959027-4LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P755030  
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: LD4D85BD010-EU4DR6070959027-4LBDP1H  
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7886.5 lumens  
Efficiency: N/A  
Efficacy: 89.9 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): 87.7  
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

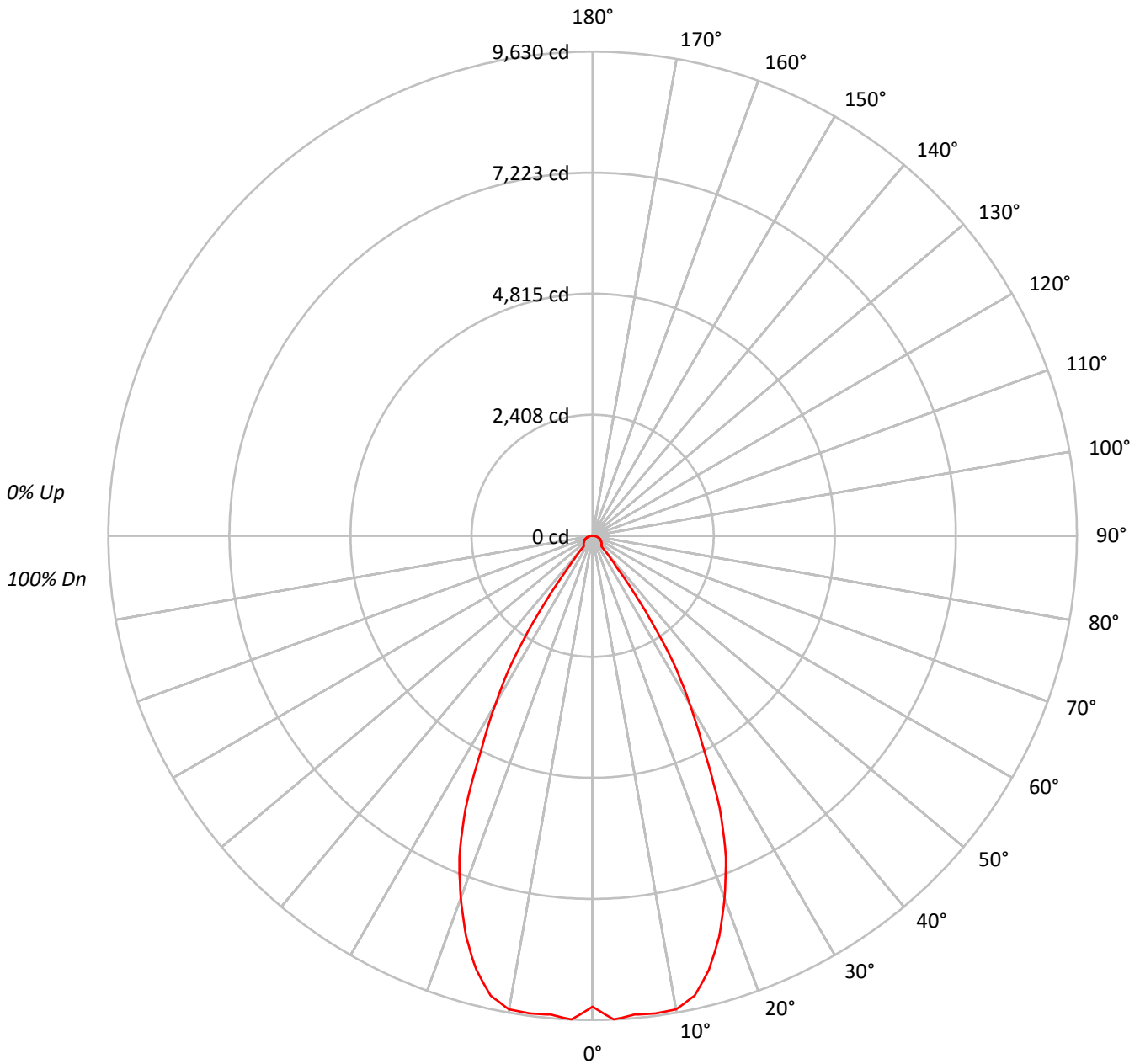


Downlight

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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°	1023369
5°	1048534
10°	1061201
15°	1010932
20°	891336
25°	720936
30°	487647
35°	244371
40°	39637
45°	38799
50°	39571
55°	40174
60°	41279
65°	42218
70°	43223
75°	43735
80°	42157
85°	35102

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 43735 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	913.7	11.6
10°-20°	2472.1	31.3
20°-30°	2659.8	33.7
30°-40°	1156.2	14.7
40°-50°	194.2	2.5
50°-60°	188.8	2.4
60°-70°	161.5	2.0
70°-80°	108.1	1.4
80°-90°	32.3	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°	6045.6	76.7
0°-40°	7201.7	91.3
0°-60°	7584.7	96.2
0°-90°	7886.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7886.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9366	
5°	9560	914
15°	8937	2472
25°	5980	2660
35°	1832	1156
45°	251	194
55°	211	189
65°	163	161
75°	104	108
85°	28	32
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9366.3
2.5°	9629.6
5°	9560.1
7.5°	9582.0
10°	9565.0
12.5°	9367.5
15°	8937.2
17.5°	8359.5
20°	7665.9
22.5°	6923.5
25°	5980.1
27.5°	4783.1
30°	3865.2
32.5°	2979.1
35°	1832.1
37.5°	783.8
40°	277.9
42.5°	256.0
45°	251.1
47.5°	242.6
50°	232.8
52.5°	221.8
55°	210.9
57.5°	199.9
60°	188.9
62.5°	176.7
65°	163.3
67.5°	149.9
70°	135.3
72.5°	119.5
75°	103.6
77.5°	85.3
80°	67.0
82.5°	47.5
85°	28.0
87.5°	9.8
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)