

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: P755082

Luminaire Tested: LD4D85BD010-EU4DR6070959050-4LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P755082  
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-EU4DR6070959050-4LBDP1H  
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8655.7 lumens  
Efficiency: N/A  
Efficacy: 98.7 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 (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

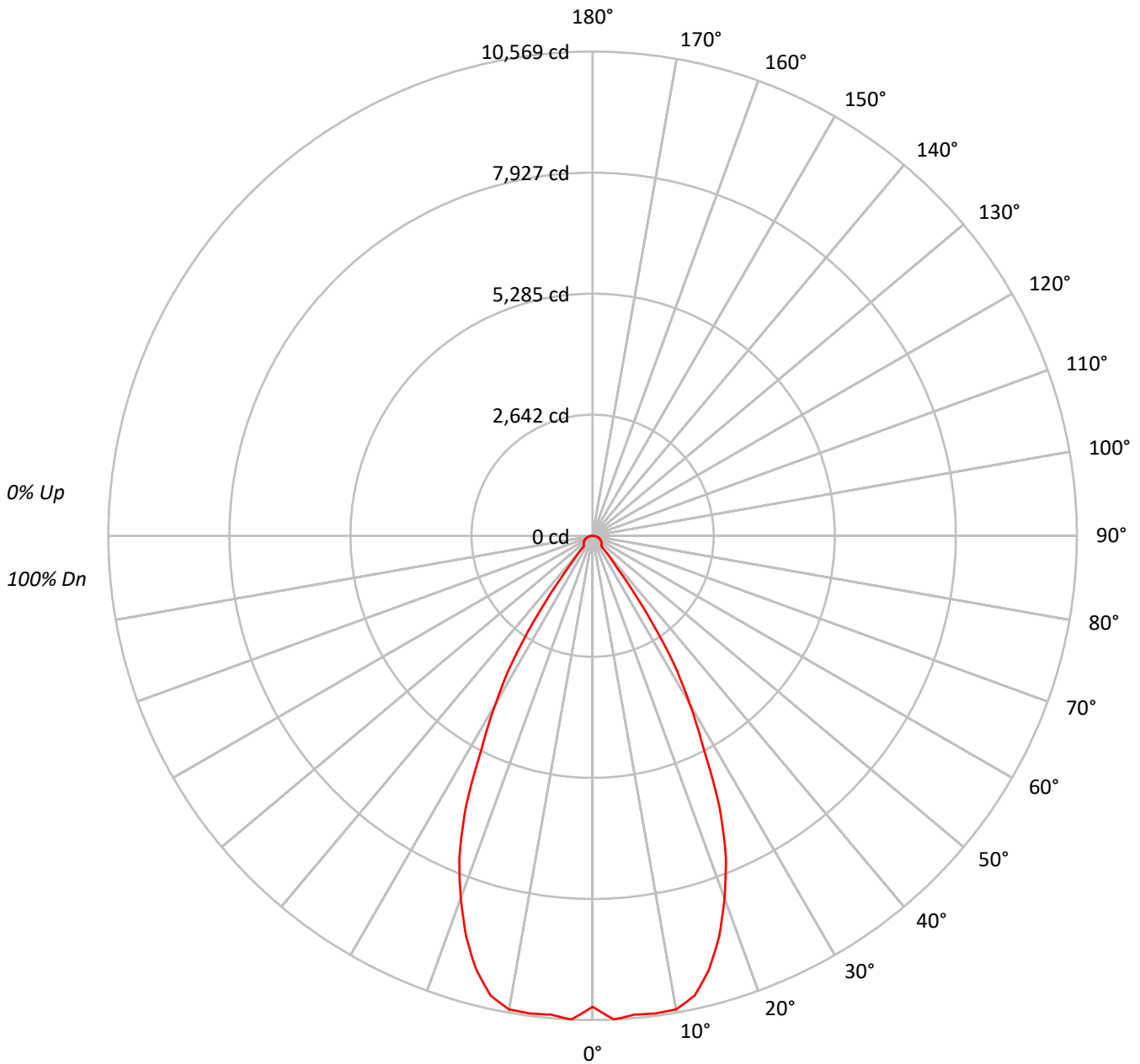


Downlight

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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	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°	1123179
5°	1150798
10°	1164692
15°	1109534
20°	978262
25°	791245
30°	535211
35°	268193
40°	43502
45°	42585
50°	43430
55°	44079
60°	45321
65°	46355
70°	47439
75°	47999
80°	46310
85°	38612

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 47999 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1002.8	11.6
10°-20°	2713.2	31.3
20°-30°	2919.2	33.7
30°-40°	1268.9	14.7
40°-50°	213.1	2.5
50°-60°	207.2	2.4
60°-70°	177.3	2.0
70°-80°	118.6	1.4
80°-90°	35.5	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°	6635.2	76.7
0°-40°	7904.1	91.3
0°-60°	8324.4	96.2
0°-90°	8655.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8655.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10280	
5°	10492	###
15°	9809	2713
25°	6563	2919
35°	2011	1269
45°	276	213
55°	231	207
65°	179	177
75°	114	119
85°	31	35
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	10279.8
2.5°	10568.7
5°	10492.5
7.5°	10516.6
10°	10497.8
12.5°	10281.1
15°	9808.9
17.5°	9174.7
20°	8413.5
22.5°	7598.8
25°	6563.3
27.5°	5249.6
30°	4242.2
32.5°	3269.6
35°	2010.7
37.5°	860.2
40°	305.0
42.5°	280.9
45°	275.6
47.5°	266.2
50°	255.5
52.5°	243.5
55°	231.4
57.5°	219.4
60°	207.4
62.5°	194.0
65°	179.3
67.5°	164.6
70°	148.5
72.5°	131.1
75°	113.7
77.5°	93.6
80°	73.6
82.5°	52.2
85°	30.8
87.5°	10.7
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)