

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: P747092

Luminaire Tested: LD4D35BD010-EU4DR5020359030-4LBS1LI

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P747092  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D35BD010-EU4DR5020359030-4LBS1LI  
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 50° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3664.0 lumens  
Efficiency: N/A  
Efficacy: 119.0 lumens/watt  
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 30.8  
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

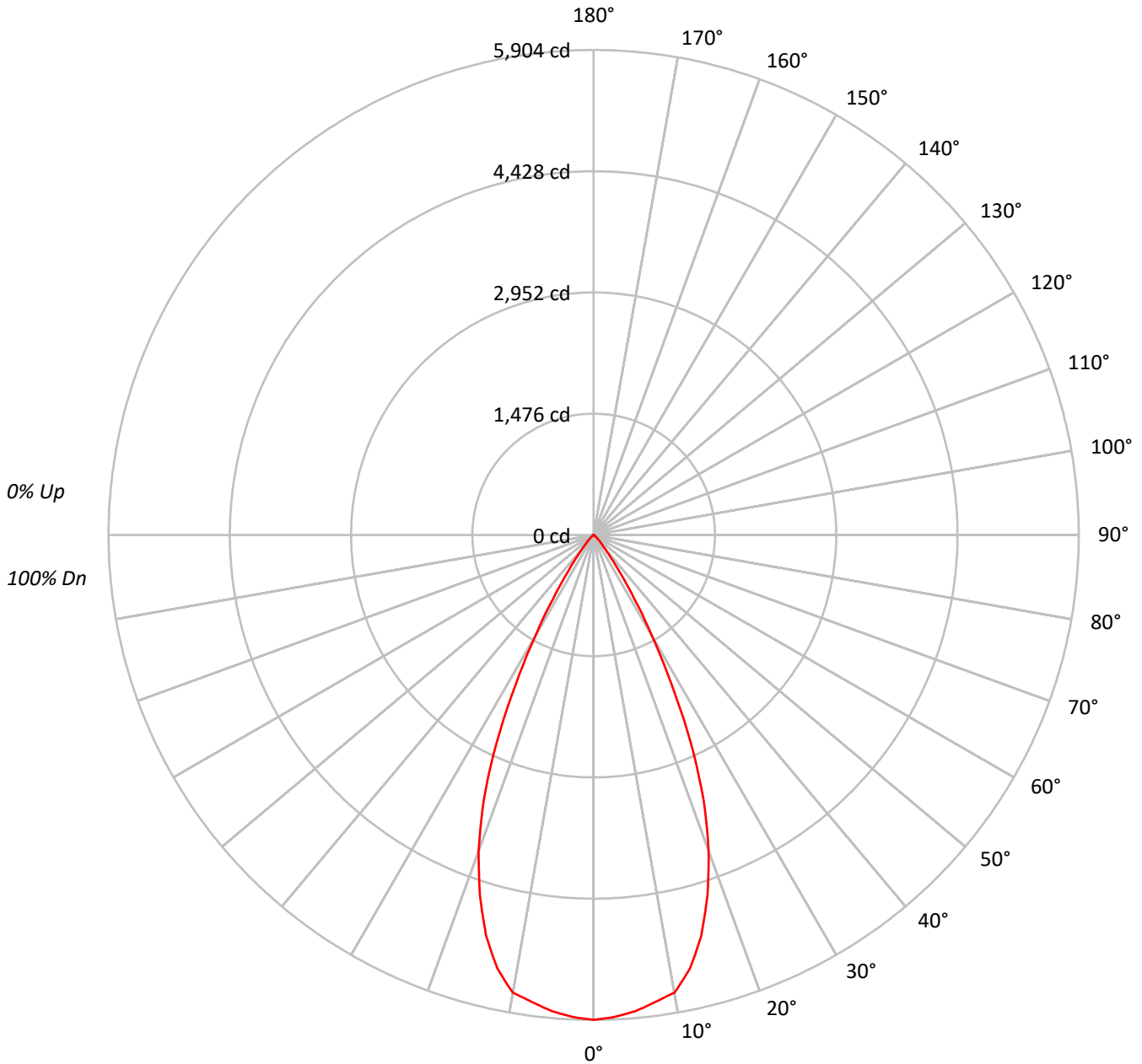


Downlight

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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	109	107	112	110	108	106	106	104	102		102	101	99		98	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95		97	95	93		95	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84		89	85	83		87	84	82	80
5	96	89	84	80	95	88	83	79	86	82	79		85	81	78		83	80	77	76
6	92	84	79	75	91	83	79	75	82	78	74		81	77	74		79	76	74	72
7	88	80	75	71	87	79	74	71	78	74	71		77	73	70		76	73	70	69
8	85	76	71	67	84	76	71	67	75	70	67		74	70	67		73	69	66	65
9	81	73	68	64	80	72	67	64	71	67	64		71	67	64		70	66	63	62
10	78	70	64	61	77	69	64	61	68	64	61		68	64	61		67	63	60	59

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

	0°
0°	645032
5°	638272
10°	627756
15°	571627
20°	475661
25°	337641
30°	178711
35°	72827
40°	27043
45°	12377
50°	5082
55°	2648
60°	1311
65°	388
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 12377 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	550.1	15.0
10°-20°	1390.1	37.9
20°-30°	1248.7	34.1
30°-40°	391.0	10.7
40°-50°	68.4	1.9
50°-60°	13.7	0.4
60°-70°	2.1	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°	3188.8	87.0
0°-40°	3579.8	97.7
0°-60°	3661.9	99.9
0°-90°	3664.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3664.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5904	
5°	5820	550
15°	5054	1390
25°	2801	1249
35°	546	391
45°	80	68
55°	14	14
65°	2	2
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	5903.6
2.5°	5874.2
5°	5819.5
7.5°	5735.9
10°	5658.2
12.5°	5409.3
15°	5053.5
17.5°	4601.5
20°	4090.9
22.5°	3500.0
25°	2800.7
27.5°	2059.1
30°	1416.5
32.5°	922.3
35°	546.0
37.5°	313.6
40°	189.6
42.5°	123.4
45°	80.1
47.5°	48.8
50°	29.9
52.5°	20.4
55°	13.9
57.5°	9.5
60°	6.0
62.5°	3.5
65°	1.5
67.5°	0.5
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)