

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: P746347

Luminaire Tested: LD4D30D010-EU4DR5020359050-4LBDP1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P746347
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: LD4D30D010-EU4DR5020359050-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3127.4 lumens
Efficiency: N/A
Efficacy: 107.8 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): 29
Input Voltage (V): NR
Input Current (A_{in}): 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

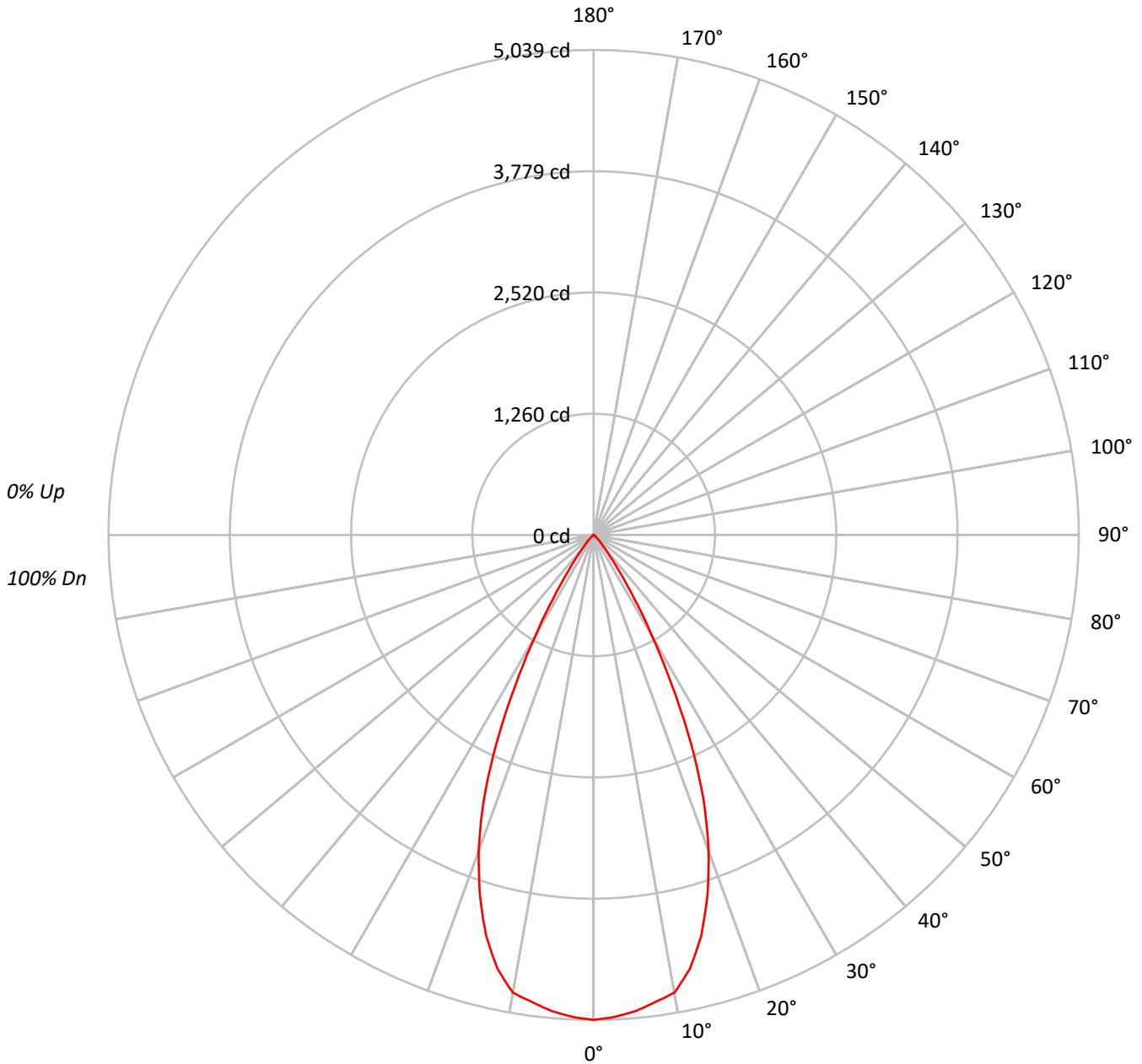


Downlight



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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	50	30	10	0													
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	102	100														
	1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	97	95														
	2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	91	90														
	3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	86	85														
	4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	82	80														
	5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	77	76														
	6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	74	74	74	74	72														
	7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	70	69														
	8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	66	65														
	9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	63	63	63	63	62														
	10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	60	60	60	60	59														

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	550565
5°	544793
10°	535826
15°	487910
20°	405990
25°	288201
30°	152544
35°	62156
40°	23092
45°	10569
50°	4334
55°	2267
60°	1114
65°	336
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10569 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	469.5	15.0
10°-20°	1186.5	37.9
20°-30°	1065.8	34.1
30°-40°	333.7	10.7
40°-50°	58.5	1.9
50°-60°	11.7	0.4
60°-70°	1.8	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°	2721.9	87.0
0°-40°	3055.5	97.7
0°-60°	3125.6	99.9
0°-90°	3127.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3127.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5039	
5°	4967	469
15°	4313	1187
25°	2391	1066
35°	466	334
45°	68	58
55°	12	12
65°	1	2
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5039.0
2.5°	5013.9
5°	4967.2
7.5°	4895.8
10°	4829.6
12.5°	4617.1
15°	4313.4
17.5°	3927.6
20°	3491.7
22.5°	2987.5
25°	2390.6
27.5°	1757.6
30°	1209.1
32.5°	787.2
35°	466.0
37.5°	267.6
40°	161.9
42.5°	105.4
45°	68.4
47.5°	41.7
50°	25.5
52.5°	17.4
55°	11.9
57.5°	8.1
60°	5.1
62.5°	3.0
65°	1.3
67.5°	0.4
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)