

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: P746619

Luminaire Tested: LD4D30D010-EU4DR7020359030-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P746619
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D30D010-EU4DR7020359030-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2703.3 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

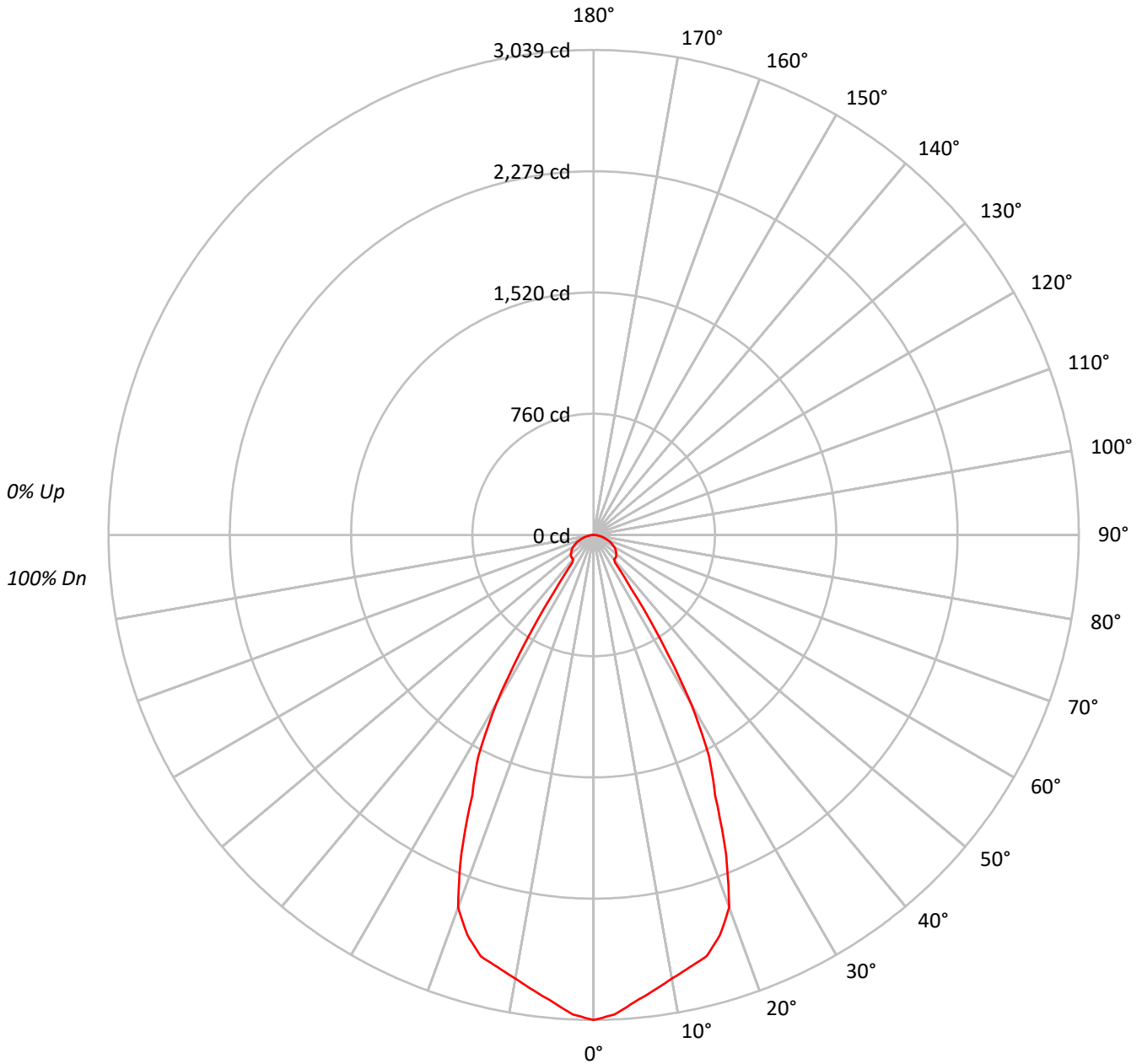


Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				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			100
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			83
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			70
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			65
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			61
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			57
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			53
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			50
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			48

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	332087
5°	322223
10°	313235
15°	309132
20°	288659
25°	216856
30°	153301
35°	54300
40°	28554
45°	30409
50°	31497
55°	32079
60°	32276
65°	31593
70°	29805
75°	27609
80°	24539
85°	19933

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 32292 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.1	10.3
10°-20°	760.1	28.1
20°-30°	837.1	31.0
30°-40°	319.8	11.8
40°-50°	151.0	5.6
50°-60°	150.1	5.6
60°-70°	120.2	4.4
70°-80°	69.1	2.6
80°-90°	18.8	0.7
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°	1874.3	69.3
0°-40°	2194.2	81.2
0°-60°	2495.3	92.3
0°-90°	2703.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2703.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3039	
5°	2938	277
15°	2733	760
25°	1799	837
35°	407	320
45°	197	151
55°	168	150
65°	122	120
75°	65	69
85°	16	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3039.4
2.5°	3007.6
5°	2937.9
7.5°	2879.6
10°	2823.3
12.5°	2775.7
15°	2732.9
17.5°	2629.4
20°	2482.6
22.5°	2166.0
25°	1798.8
27.5°	1565.9
30°	1215.1
32.5°	784.9
35°	407.1
37.5°	219.9
40°	200.2
42.5°	198.8
45°	196.8
47.5°	192.5
50°	185.3
52.5°	177.1
55°	168.4
57.5°	158.8
60°	147.7
62.5°	135.2
65°	122.2
67.5°	107.8
70°	93.3
72.5°	78.9
75°	65.4
77.5°	51.5
80°	39.0
82.5°	27.4
85°	15.9
87.5°	6.2
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)