

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: P746580

Luminaire Tested: LD4D30D010-EU4DR6520359050-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P746580
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D30D010-EU4DR6520359050-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2515.9 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 29
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

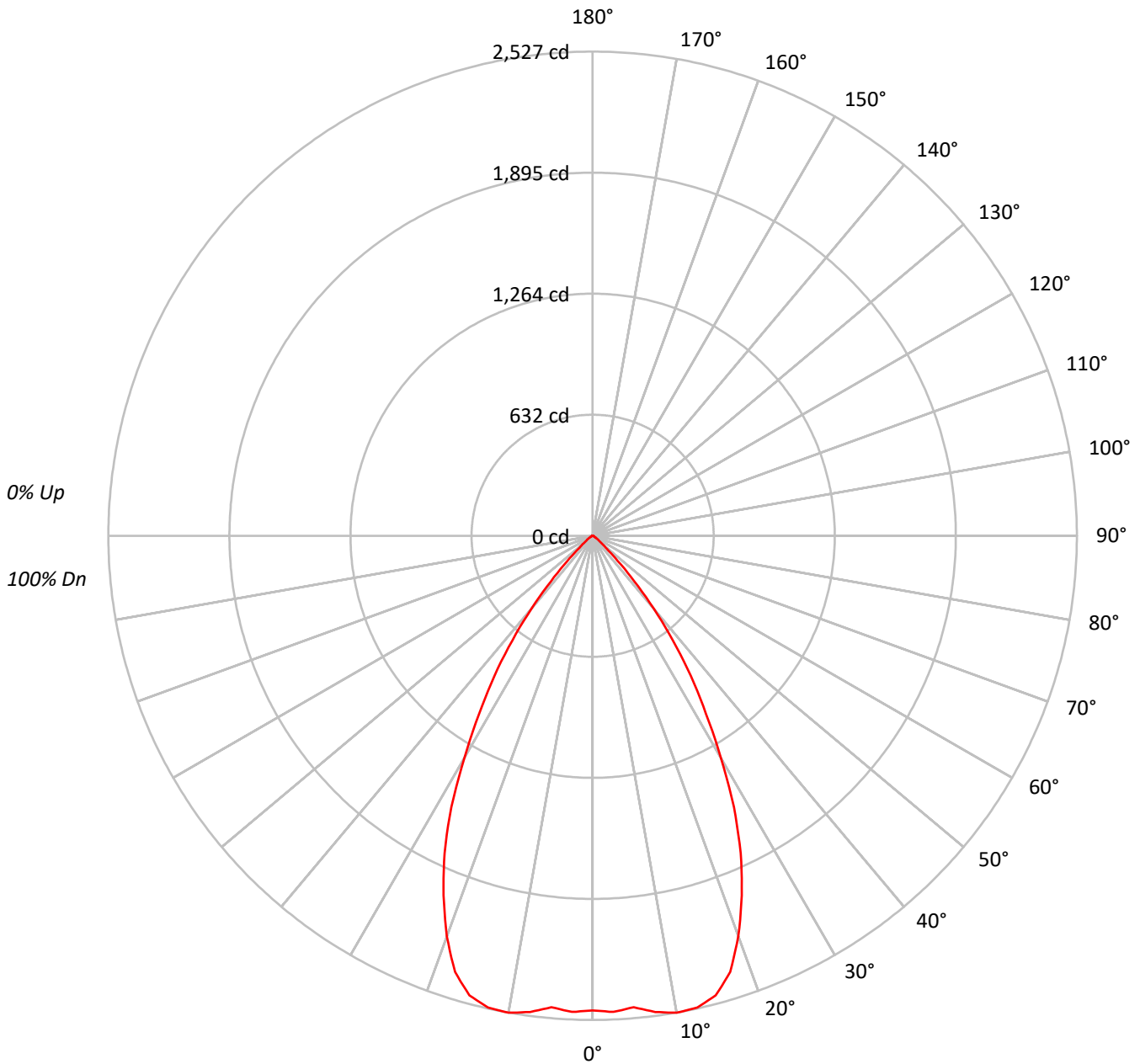


Downlight



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82	79	76	75
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77	74	71	69
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73	69	66	65
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69	65	62	60
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65	61	58	57
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62	58	54	53
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59	54	51	50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	270639
5°	270861
10°	280406
15°	280876
20°	258591
25°	220328
30°	168668
35°	119164
40°	70331
45°	28555
50°	10352
55°	5772
60°	3300
65°	1810
70°	1917
75°	1478
80°	1573
85°	1254

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 28555 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.5	9.5
10°-20°	688.0	27.3
20°-30°	825.5	32.8
30°-40°	554.8	22.0
40°-50°	166.1	6.6
50°-60°	29.3	1.2
60°-70°	8.3	0.3
70°-80°	4.1	0.2
80°-90°	1.3	0.1
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°	1752.1	69.6
0°-40°	2306.8	91.7
0°-60°	2502.2	99.5
0°-90°	2515.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2515.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2477	
5°	2470	239
15°	2483	688
25°	1828	826
35°	893	555
45°	185	166
55°	30	29
65°	7	8
75°	4	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2477.0
2.5°	2487.6
5°	2469.6
7.5°	2507.0
10°	2527.4
12.5°	2522.5
15°	2483.1
17.5°	2386.6
20°	2224.0
22.5°	2032.5
25°	1827.6
27.5°	1596.4
30°	1336.9
32.5°	1101.8
35°	893.4
37.5°	687.5
40°	493.1
42.5°	322.1
45°	184.8
47.5°	97.9
50°	60.9
52.5°	42.2
55°	30.3
57.5°	21.8
60°	15.1
62.5°	9.9
65°	7.0
67.5°	6.4
70°	6.0
72.5°	4.6
75°	3.5
77.5°	3.2
80°	2.5
82.5°	1.8
85°	1.0
87.5°	0.7
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)