

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: P746504

Luminaire Tested: LD4D30D010-EU4DR6020359050-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P746504
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: LD4D30D010-EU4DR6020359050-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2607.5 lumens
Efficiency: N/A
Efficacy: 89.9 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): 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

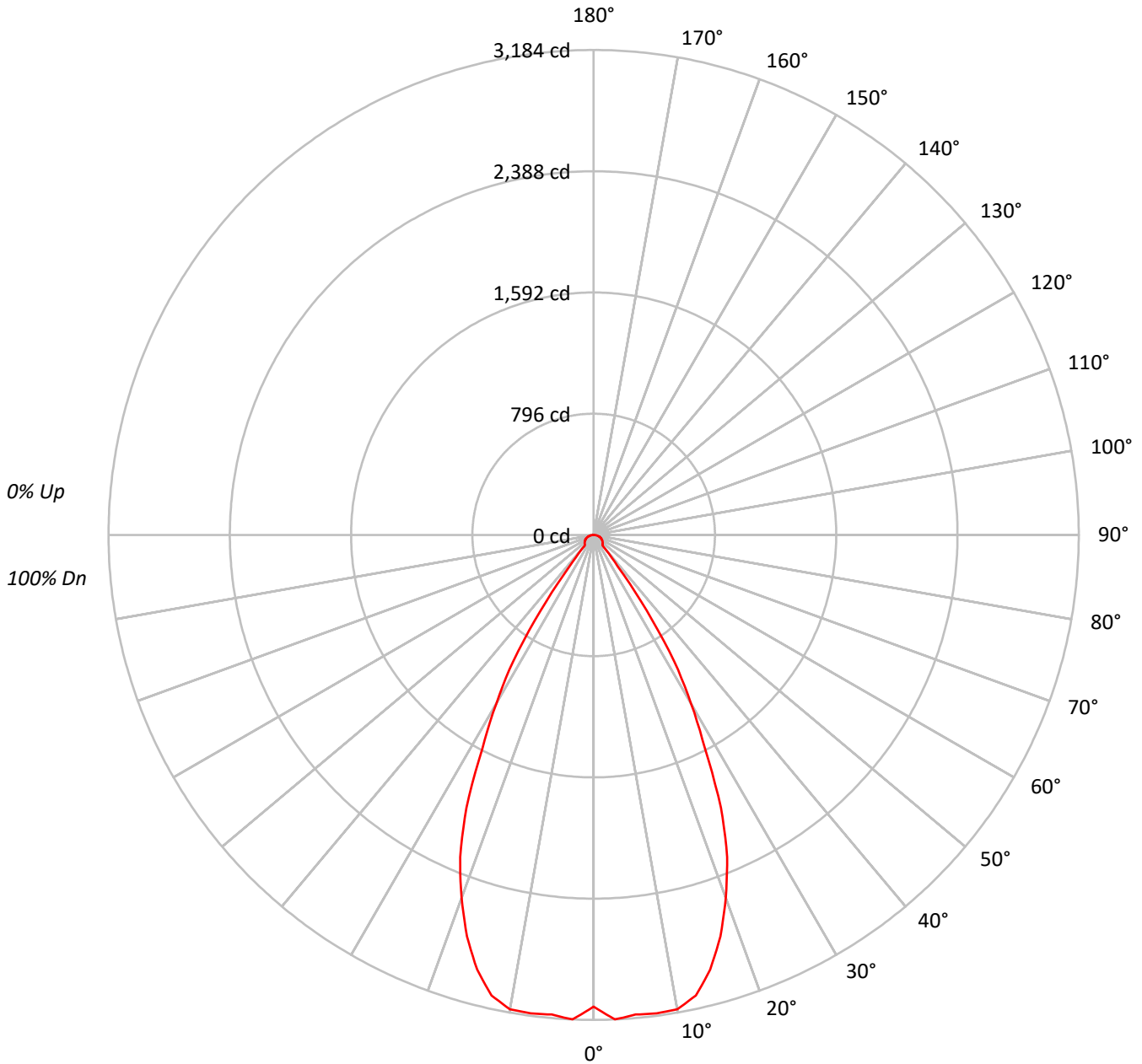


Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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°	338359
5°	346682
10°	350868
15°	334244
20°	294705
25°	238363
30°	161237
35°	80790
40°	13108
45°	12825
50°	13088
55°	13277
60°	13658
65°	13961
70°	14280
75°	14480
80°	13968
85°	11659

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 14480 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.1	11.6
10°-20°	817.3	31.3
20°-30°	879.4	33.7
30°-40°	382.3	14.7
40°-50°	64.2	2.5
50°-60°	62.4	2.4
60°-70°	53.4	2.0
70°-80°	35.7	1.4
80°-90°	10.7	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°	1998.9	76.7
0°-40°	2381.1	91.3
0°-60°	2507.7	96.2
0°-90°	2607.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2607.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3097	
5°	3161	302
15°	2955	817
25°	1977	879
35°	606	382
45°	83	64
55°	70	62
65°	54	53
75°	34	36
85°	9	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3096.8
2.5°	3183.8
5°	3160.9
7.5°	3168.1
10°	3162.5
12.5°	3097.2
15°	2954.9
17.5°	2763.9
20°	2534.6
22.5°	2289.2
25°	1977.2
27.5°	1581.5
30°	1278.0
32.5°	985.0
35°	605.7
37.5°	259.1
40°	91.9
42.5°	84.6
45°	83.0
47.5°	80.2
50°	77.0
52.5°	73.3
55°	69.7
57.5°	66.1
60°	62.5
62.5°	58.4
65°	54.0
67.5°	49.6
70°	44.7
72.5°	39.5
75°	34.3
77.5°	28.2
80°	22.2
82.5°	15.7
85°	9.3
87.5°	3.2
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)