

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: P746608

Luminaire Tested: LD4D30D010-EU4DR7020359027-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P746608
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-EU4DR7020359027-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2045.0 lumens
Efficiency: N/A
Efficacy: 70.5 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

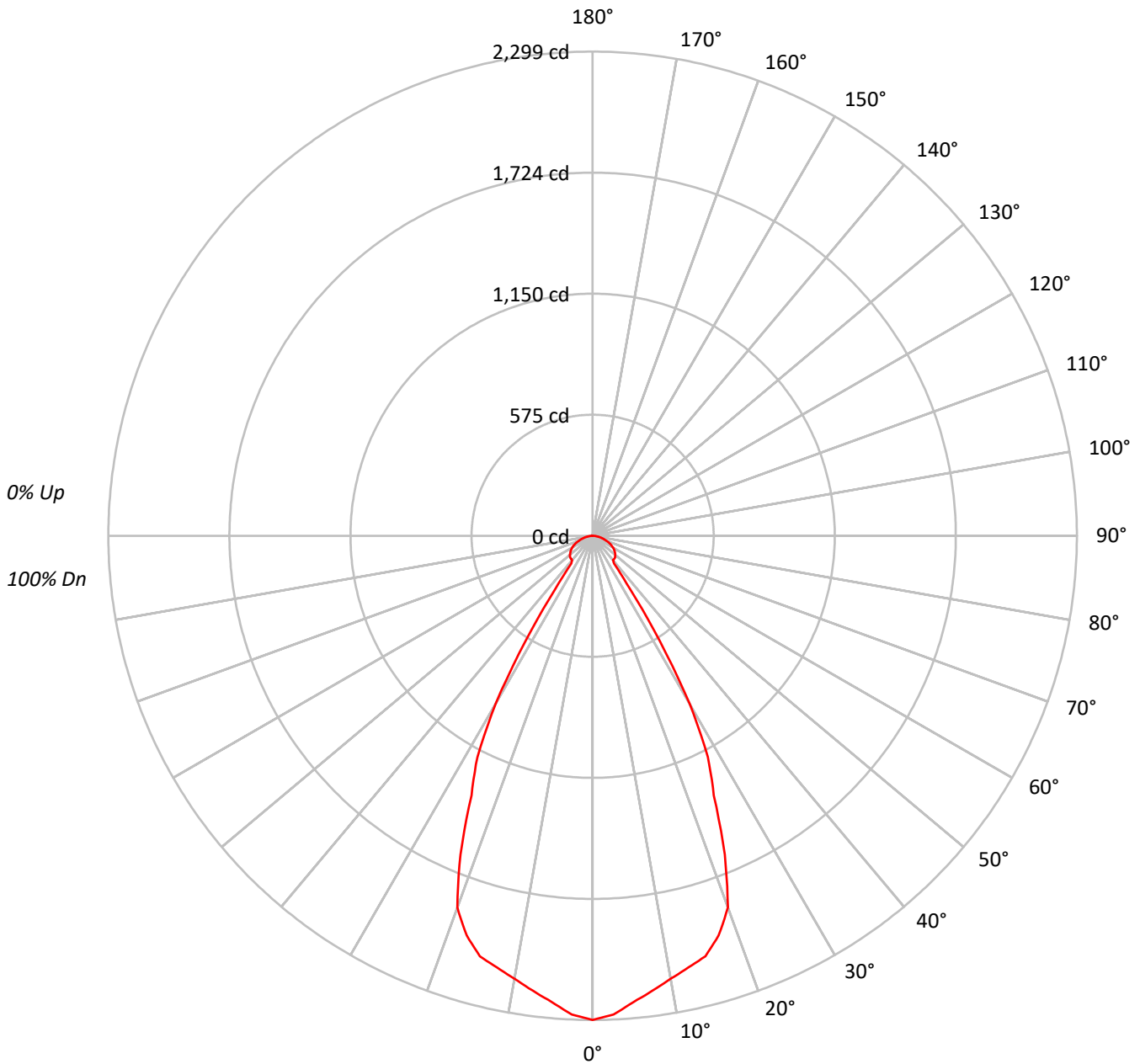


Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	251212
5°	243749
10°	236948
15°	233843
20°	218360
25°	164040
30°	115969
35°	41082
40°	21594
45°	23008
50°	23814
55°	24268
60°	24431
65°	23914
70°	22554
75°	20896
80°	18562
85°	15044

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 24431 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	209.6	10.3
10°-20°	575.0	28.1
20°-30°	633.2	31.0
30°-40°	242.0	11.8
40°-50°	114.2	5.6
50°-60°	113.6	5.6
60°-70°	90.9	4.4
70°-80°	52.3	2.6
80°-90°	14.2	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°	1417.8	69.3
0°-40°	1659.8	81.2
0°-60°	1887.6	92.3
0°-90°	2045.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2045.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2299	
5°	2222	210
15°	2067	575
25°	1361	633
35°	308	242
45°	149	114
55°	127	114
65°	92	91
75°	50	52
85°	12	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2299.2
2.5°	2275.1
5°	2222.4
7.5°	2178.3
10°	2135.7
12.5°	2099.7
15°	2067.3
17.5°	1989.1
20°	1878.0
22.5°	1638.5
25°	1360.7
27.5°	1184.5
30°	919.2
32.5°	593.7
35°	308.0
37.5°	166.4
40°	151.4
42.5°	150.3
45°	148.9
47.5°	145.6
50°	140.1
52.5°	134.0
55°	127.4
57.5°	120.1
60°	111.8
62.5°	102.3
65°	92.5
67.5°	81.5
70°	70.6
72.5°	59.7
75°	49.5
77.5°	39.0
80°	29.5
82.5°	20.7
85°	12.0
87.5°	4.8
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)