

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P745698

Luminaire Tested: LD4D25D010-EU4DR7020359035-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P745698
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: LD4D25D010-EU4DR7020359035-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1983.3 lumens
Efficiency: N/A
Efficacy: 79.0 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): 25.1
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

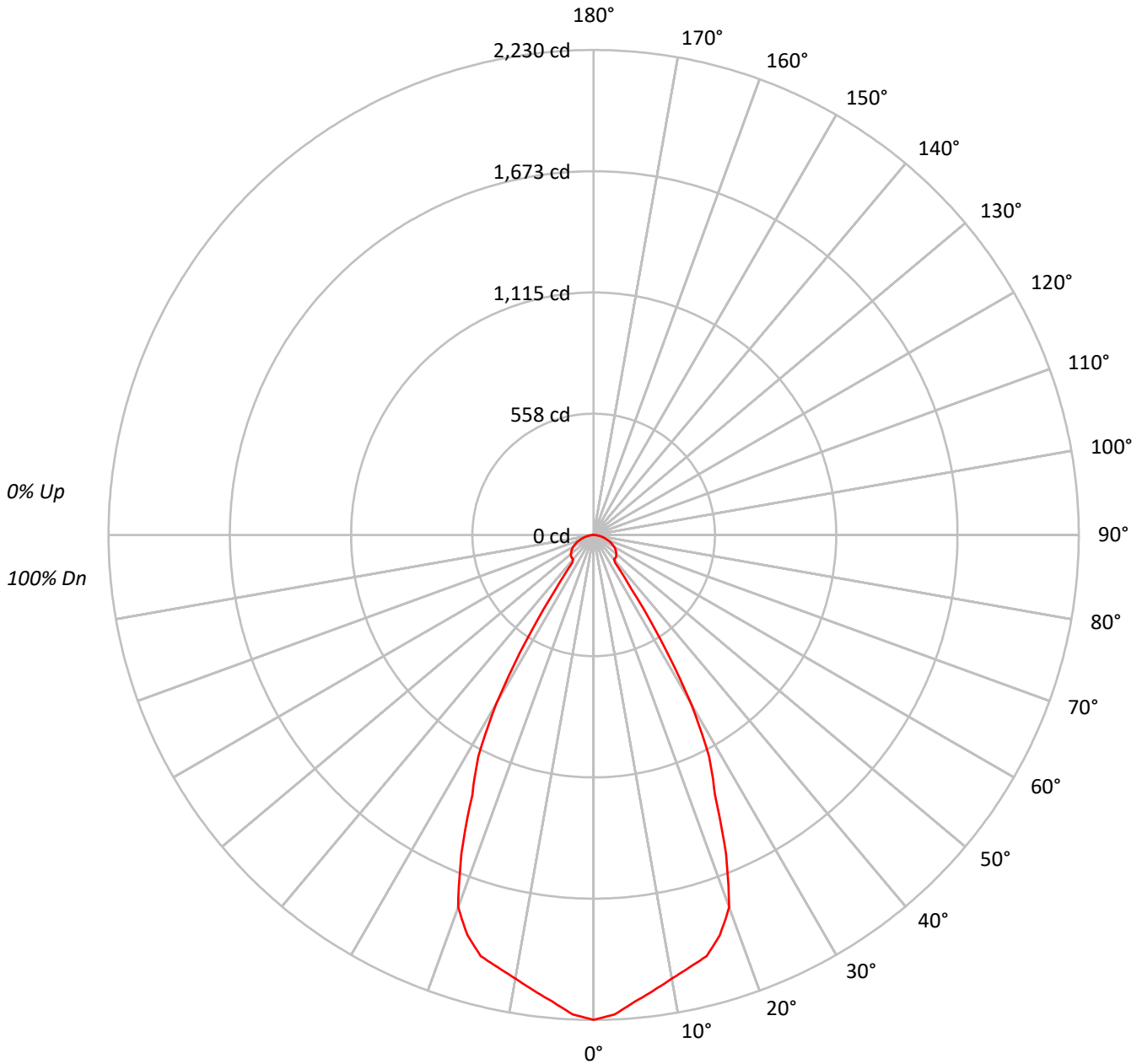


Downlight



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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°	243630
5°	236389
10°	229803
15°	226784
20°	211779
25°	159098
30°	112475
35°	39841
40°	20938
45°	22312
50°	23100
55°	23545
60°	23688
65°	23190
70°	21883
75°	20263
80°	17995
85°	14542

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 23690 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.3	10.3
10°-20°	557.6	28.1
20°-30°	614.2	31.0
30°-40°	234.6	11.8
40°-50°	110.8	5.6
50°-60°	110.2	5.6
60°-70°	88.2	4.4
70°-80°	50.7	2.6
80°-90°	13.8	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°	1375.1	69.3
0°-40°	1609.7	81.2
0°-60°	1830.6	92.3
0°-90°	1983.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1983.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2230	
5°	2155	203
15°	2005	558
25°	1320	614
35°	299	235
45°	144	111
55°	124	110
65°	90	88
75°	48	51
85°	12	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2229.8
2.5°	2206.5
5°	2155.3
7.5°	2112.6
10°	2071.3
12.5°	2036.3
15°	2004.9
17.5°	1929.0
20°	1821.4
22.5°	1589.0
25°	1319.7
27.5°	1148.8
30°	891.5
32.5°	575.8
35°	298.7
37.5°	161.3
40°	146.8
42.5°	145.8
45°	144.4
47.5°	141.2
50°	135.9
52.5°	129.9
55°	123.6
57.5°	116.5
60°	108.4
62.5°	99.2
65°	89.7
67.5°	79.1
70°	68.5
72.5°	57.9
75°	48.0
77.5°	37.8
80°	28.6
82.5°	20.1
85°	11.6
87.5°	4.6
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)