

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: P745678

Luminaire Tested: LD4D25D010-EU4DR7020359027-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P745678
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-EU4DR7020359027-4LBSQW1MW
Description: 4 INCH SQAURE 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: 1916.2 lumens
Efficiency: N/A
Efficacy: 76.3 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 (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



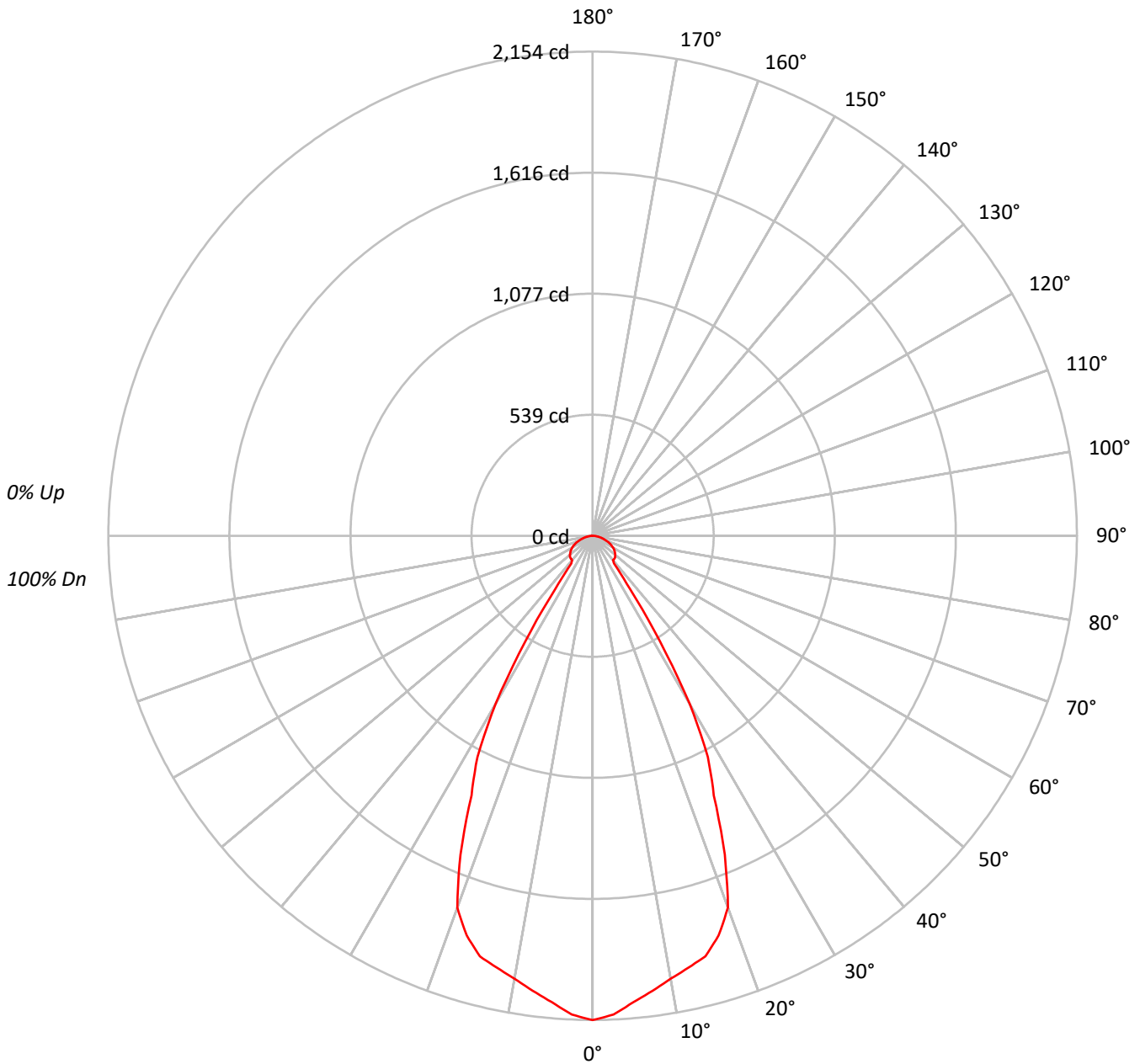
Downlight



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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	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°	235402
5°	228405
10°	222037
15°	219126
20°	204617
25°	153721
30°	108665
35°	38494
40°	20239
45°	21555
50°	22318
55°	22745
60°	22879
65°	22389
70°	21148
75°	19588
80°	17366
85°	14041

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 22897 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.4	10.3
10°-20°	538.8	28.1
20°-30°	593.4	31.0
30°-40°	226.7	11.8
40°-50°	107.0	5.6
50°-60°	106.4	5.6
60°-70°	85.2	4.4
70°-80°	49.0	2.6
80°-90°	13.3	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°	1328.6	69.3
0°-40°	1555.3	81.2
0°-60°	1768.8	92.3
0°-90°	1916.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1916.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2154	
5°	2082	196
15°	1937	539
25°	1275	593
35°	289	227
45°	140	107
55°	119	106
65°	87	85
75°	46	49
85°	11	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2154.5
2.5°	2132.0
5°	2082.5
7.5°	2041.3
10°	2001.3
12.5°	1967.6
15°	1937.2
17.5°	1863.9
20°	1759.8
22.5°	1535.4
25°	1275.1
27.5°	1110.0
30°	861.3
32.5°	556.3
35°	288.6
37.5°	155.9
40°	141.9
42.5°	140.9
45°	139.5
47.5°	136.4
50°	131.3
52.5°	125.5
55°	119.4
57.5°	112.6
60°	104.7
62.5°	95.9
65°	86.6
67.5°	76.4
70°	66.2
72.5°	55.9
75°	46.4
77.5°	36.5
80°	27.6
82.5°	19.4
85°	11.2
87.5°	4.4
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)