

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: P746601

Luminaire Tested: LD4D30D010-EU4DR7020359024-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P746601
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-EU4DR7020359024-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1940.3 lumens
Efficiency: N/A
Efficacy: 66.9 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 (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

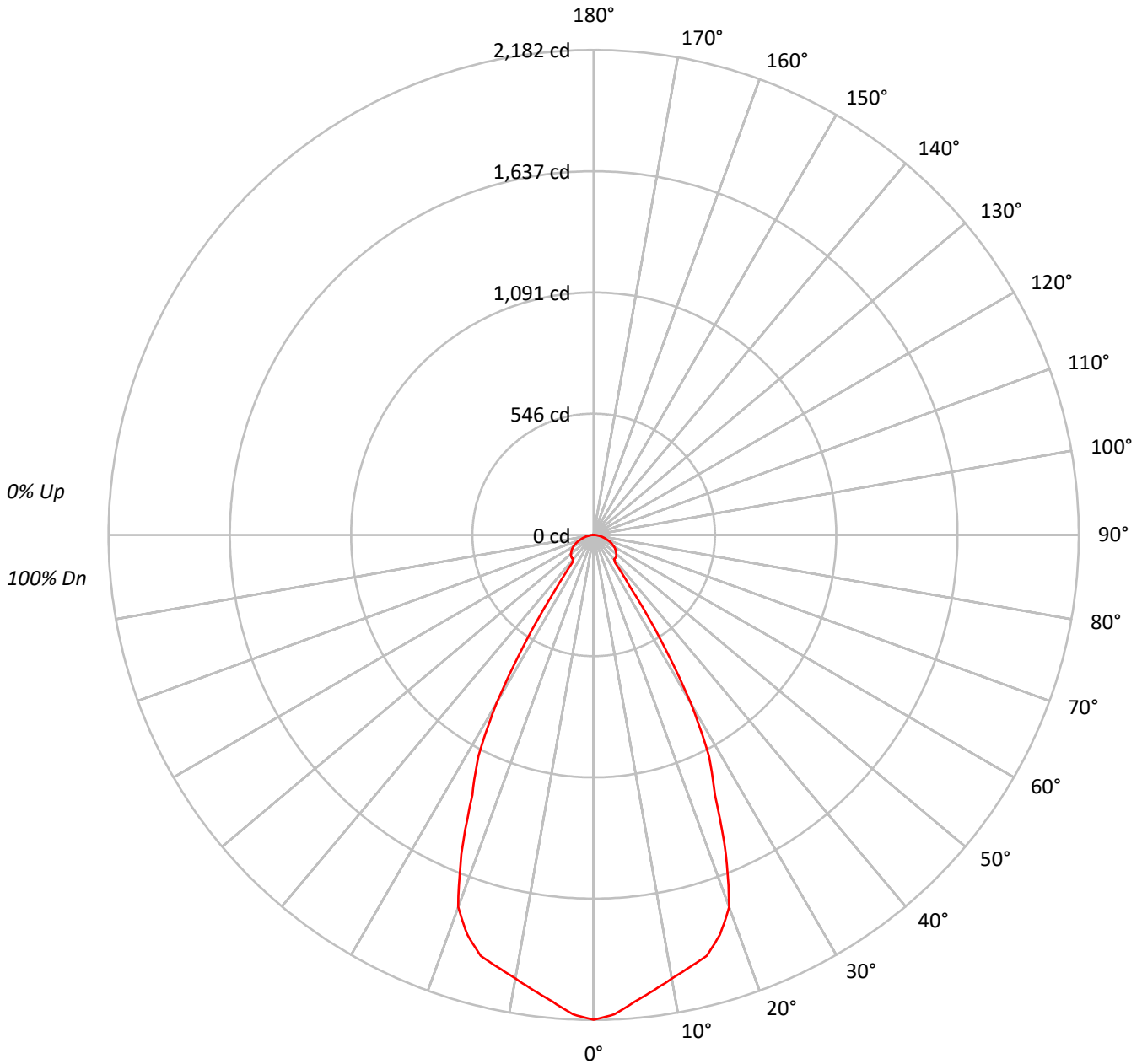


Downlight



TEST NUMBER: P746601
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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°	238352
5°	231267
10°	224822
15°	221864
20°	207175
25°	155638
30°	110027
35°	38974
40°	20496
45°	21833
50°	22607
55°	23030
60°	23185
65°	22673
70°	21404
75°	19841
80°	17618
85°	14291

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 23185 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.9	10.2
10°-20°	545.5	28.1
20°-30°	600.8	31.0
30°-40°	229.6	11.8
40°-50°	108.4	5.6
50°-60°	107.8	5.6
60°-70°	86.3	4.4
70°-80°	49.6	2.6
80°-90°	13.5	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°	1345.2	69.3
0°-40°	1574.8	81.2
0°-60°	1791.0	92.3
0°-90°	1940.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1940.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2182	
5°	2109	199
15°	1961	546
25°	1291	601
35°	292	230
45°	141	108
55°	121	108
65°	88	86
75°	47	50
85°	11	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2181.5
2.5°	2158.6
5°	2108.6
7.5°	2066.7
10°	2026.4
12.5°	1992.1
15°	1961.4
17.5°	1887.2
20°	1781.8
22.5°	1554.6
25°	1291.0
27.5°	1123.9
30°	872.1
32.5°	563.3
35°	292.2
37.5°	157.8
40°	143.7
42.5°	142.7
45°	141.3
47.5°	138.1
50°	133.0
52.5°	127.1
55°	120.9
57.5°	114.0
60°	106.1
62.5°	97.1
65°	87.7
67.5°	77.3
70°	67.0
72.5°	56.7
75°	47.0
77.5°	37.0
80°	28.0
82.5°	19.7
85°	11.4
87.5°	4.5
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)