

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: P746639

Luminaire Tested: LD4D30D010-EU4DR7020359035-4LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P746639
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-EU4DR7020359035-4LBSQW1B
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1762.8 lumens
Efficiency: N/A
Efficacy: 60.8 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



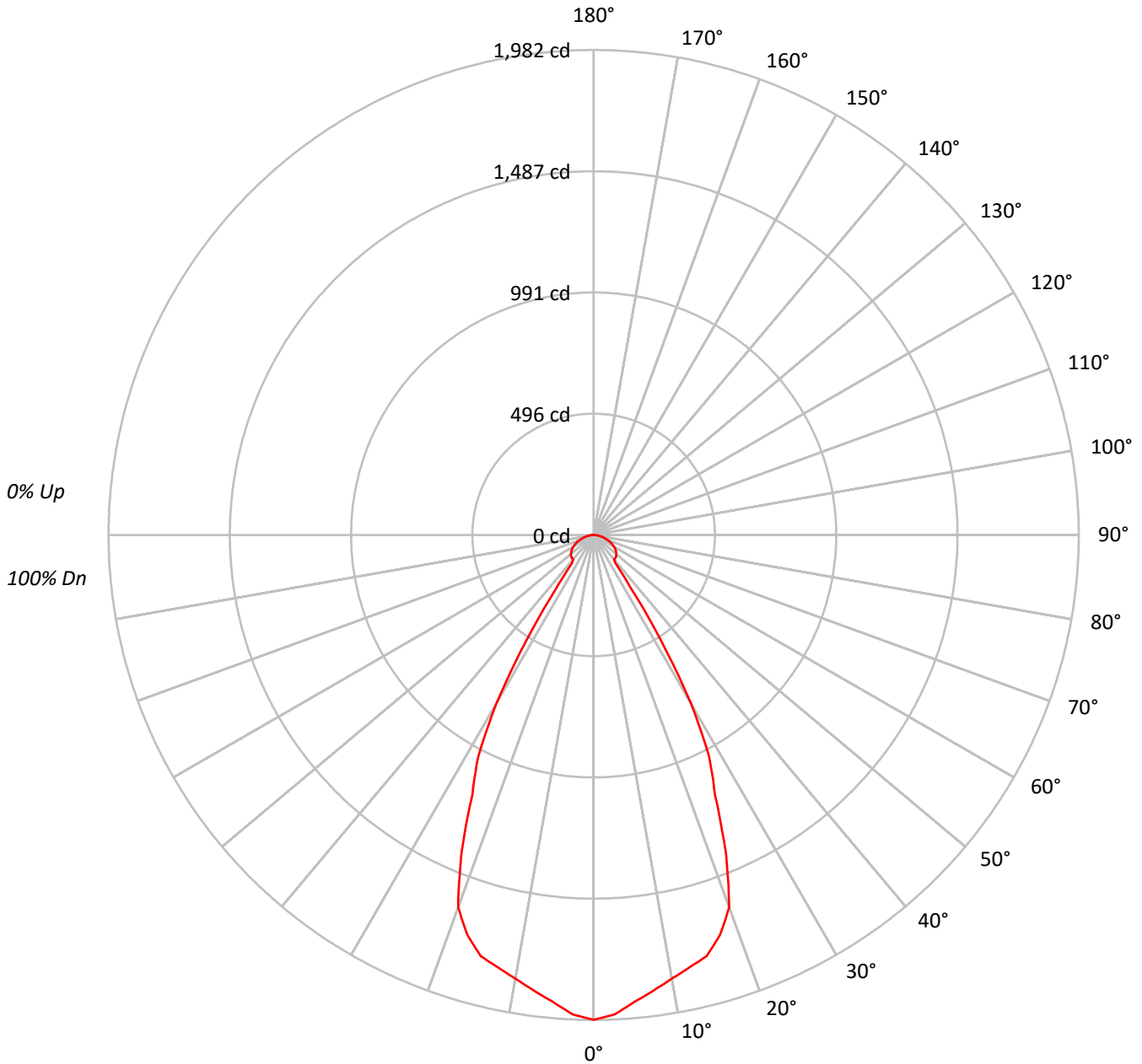
Downlight



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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°	216555
5°	210110
10°	204263
15°	201571
20°	188234
25°	141412
30°	99959
35°	35400
40°	18613
45°	19825
50°	20534
55°	20916
60°	21044
65°	20605
70°	19455
75°	18026
80°	15982
85°	13038

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 21047 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.7	10.3
10°-20°	495.6	28.1
20°-30°	545.9	31.0
30°-40°	208.5	11.8
40°-50°	98.5	5.6
50°-60°	97.9	5.6
60°-70°	78.4	4.4
70°-80°	45.1	2.6
80°-90°	12.3	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°	1222.2	69.3
0°-40°	1430.8	81.2
0°-60°	1627.1	92.3
0°-90°	1762.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1762.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1982	
5°	1916	181
15°	1782	496
25°	1173	546
35°	265	209
45°	128	98
55°	110	98
65°	80	78
75°	43	45
85°	10	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1982.0
2.5°	1961.2
5°	1915.7
7.5°	1877.8
10°	1841.1
12.5°	1810.0
15°	1782.0
17.5°	1714.6
20°	1618.9
22.5°	1412.4
25°	1173.0
27.5°	1021.1
30°	792.3
32.5°	511.8
35°	265.4
37.5°	143.4
40°	130.5
42.5°	129.6
45°	128.3
47.5°	125.5
50°	120.8
52.5°	115.4
55°	109.8
57.5°	103.5
60°	96.3
62.5°	88.2
65°	79.7
67.5°	70.3
70°	60.9
72.5°	51.5
75°	42.7
77.5°	33.6
80°	25.4
82.5°	17.9
85°	10.4
87.5°	4.1
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)