

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: P740172

Luminaire Tested: LD4D05D010-EU4DR350210IC9027-4LBSQW1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P740172
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D05D010-EU4DR350210IC9027-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 537.9 lumens
Efficiency: N/A
Efficacy: 71.7 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 7.5
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



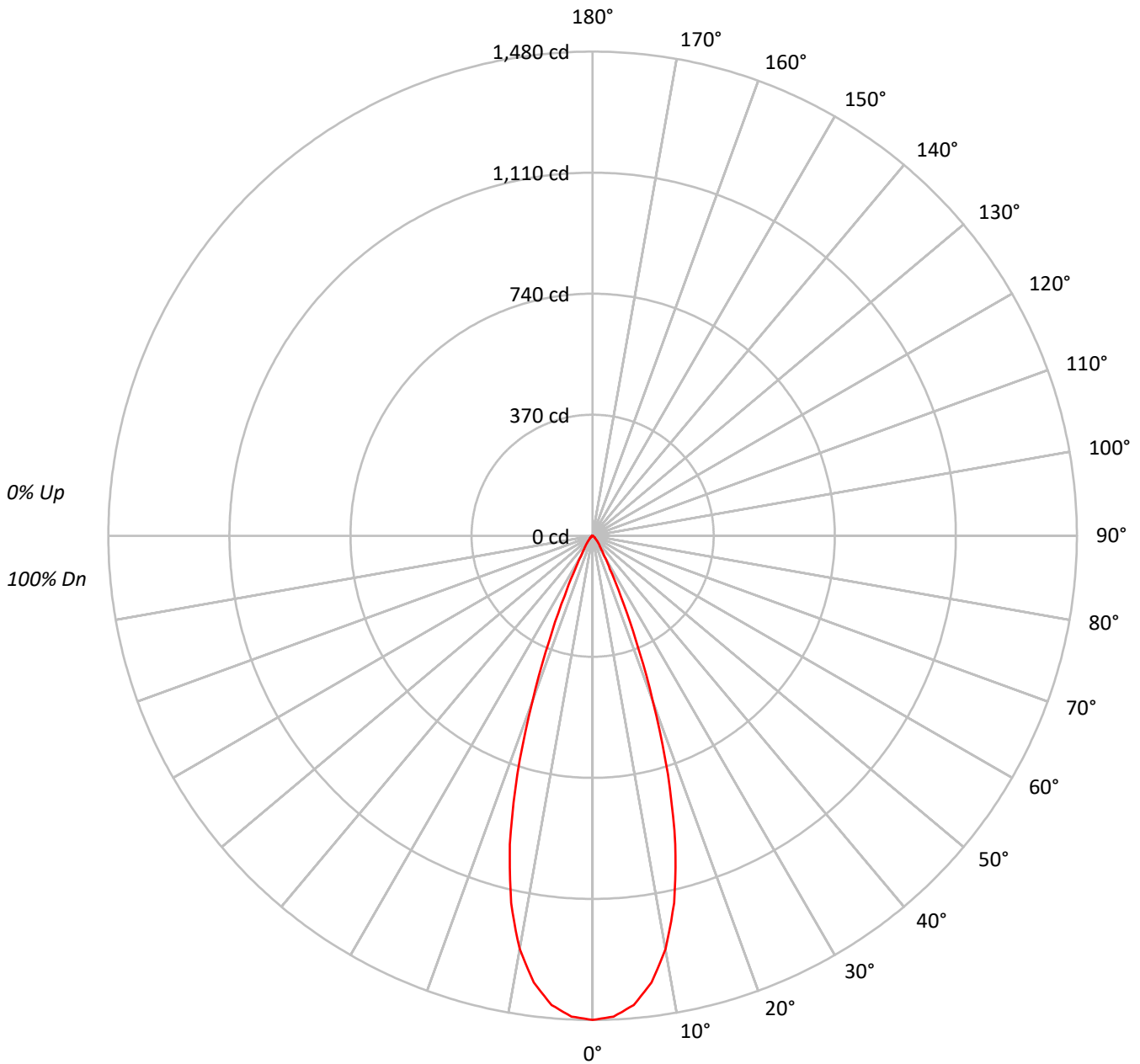
Downlight



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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									70									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	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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96																												
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92																												
3	106	101	97	94	105	100	96	93	97	94	92	95	93	91	93	91	89	88																												
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84																												
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81																												
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78																												
7	93	85	81	77	91	85	80	77	84	80	77	83	79	77	82	79	76	75																												
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72																												
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70																												
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68																												

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	161695
5°	157904
10°	142311
15°	110457
20°	62648
25°	24376
30°	9096
35°	4989
40°	3266
45°	1978
50°	1258
55°	895
60°	656
65°	362
70°	32
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1978 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.4	24.6
10°-20°	258.5	48.1
20°-30°	105.4	19.6
30°-40°	25.2	4.7
40°-50°	10.5	2.0
50°-60°	4.4	0.8
60°-70°	1.4	0.3
70°-80°	0.0	0.0
80°-90°	0.0	0.0
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°	496.4	92.3
0°-40°	521.6	97.0
0°-60°	536.5	99.7
0°-90°	537.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	537.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1480	
5°	1440	132
15°	976	259
25°	202	105
35°	37	25
45°	13	11
55°	5	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1479.9
2.5°	1471.1
5°	1439.7
7.5°	1377.0
10°	1282.7
12.5°	1149.9
15°	976.5
17.5°	764.5
20°	538.8
22.5°	343.6
25°	202.2
27.5°	114.3
30°	72.1
32.5°	50.6
35°	37.4
37.5°	28.9
40°	22.9
42.5°	17.6
45°	12.8
47.5°	9.6
50°	7.4
52.5°	5.9
55°	4.7
57.5°	3.8
60°	3.0
62.5°	2.2
65°	1.4
67.5°	0.5
70°	0.1
72.5°	0.1
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.1
85°	0.0
87.5°	0.0
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)