

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: P743745

Luminaire Tested: LD4D15D010-EU4DR700215IC9030-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P743745
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: LD4D15D010-EU4DR700215IC9030-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1115.2 lumens
Efficiency: N/A
Efficacy: 70.6 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): 15.8
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



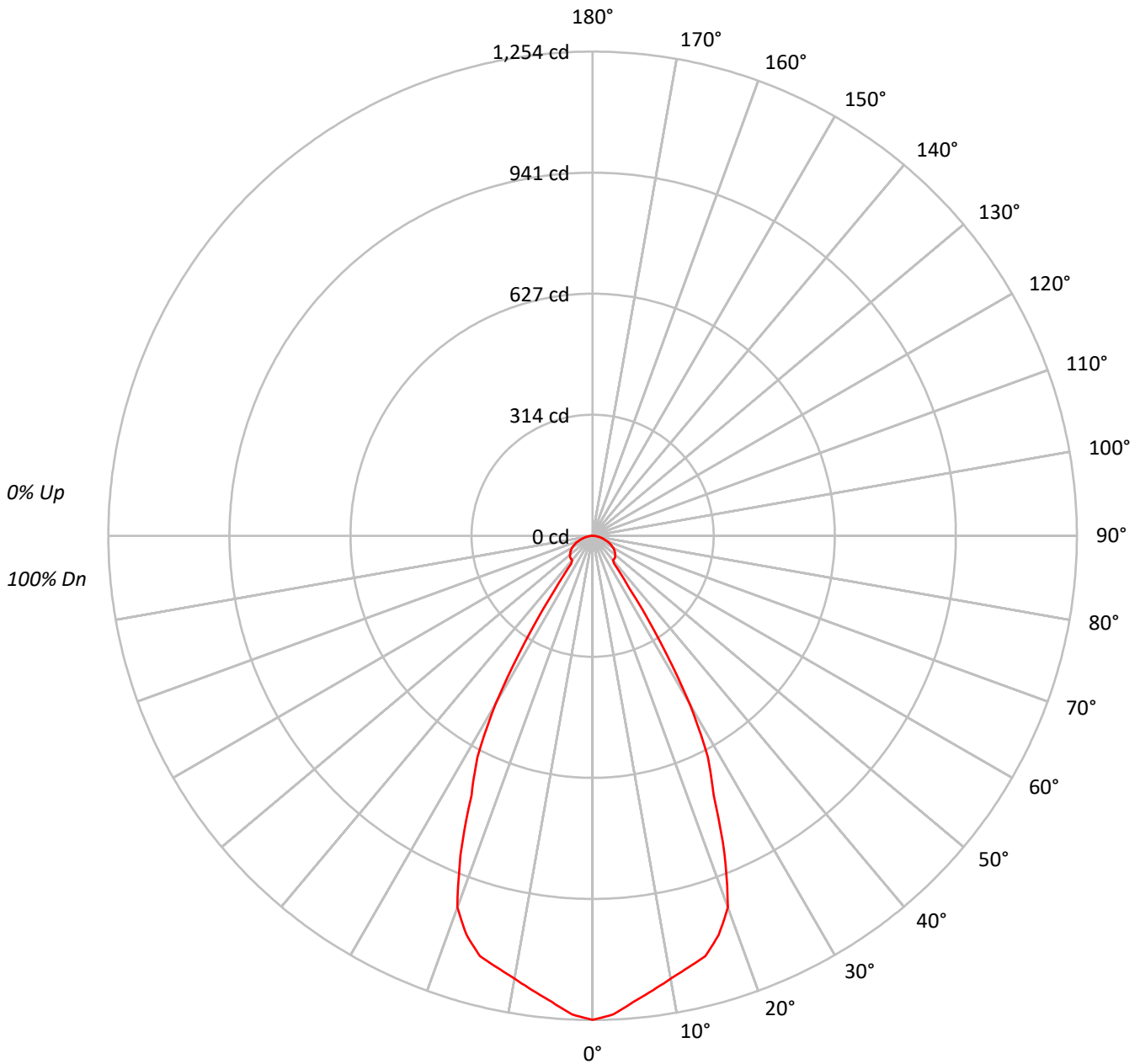
Downlight



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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°	136980
5°	132908
10°	129208
15°	127515
20°	119075
25°	89452
30°	63233
35°	22395
40°	11781
45°	12547
50°	12986
55°	13239
60°	13330
65°	13030
70°	12299
75°	11398
80°	10130
85°	8149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 13330 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.3	10.2
10°-20°	313.5	28.1
20°-30°	345.3	31.0
30°-40°	131.9	11.8
40°-50°	62.3	5.6
50°-60°	62.0	5.6
60°-70°	49.6	4.4
70°-80°	28.5	2.6
80°-90°	7.7	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°	773.1	69.3
0°-40°	905.1	81.2
0°-60°	1029.3	92.3
0°-90°	1115.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1115.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1254	
5°	1212	114
15°	1127	314
25°	742	345
35°	168	132
45°	81	62
55°	70	62
65°	50	50
75°	27	29
85°	6	8
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1253.7
2.5°	1240.6
5°	1211.8
7.5°	1187.8
10°	1164.6
12.5°	1144.9
15°	1127.3
17.5°	1084.6
20°	1024.1
22.5°	893.5
25°	742.0
27.5°	645.9
30°	501.2
32.5°	323.8
35°	167.9
37.5°	90.7
40°	82.6
42.5°	82.0
45°	81.2
47.5°	79.4
50°	76.4
52.5°	73.1
55°	69.5
57.5°	65.5
60°	61.0
62.5°	55.8
65°	50.4
67.5°	44.5
70°	38.5
72.5°	32.5
75°	27.0
77.5°	21.3
80°	16.1
82.5°	11.3
85°	6.5
87.5°	2.6
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)