

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: P743632

Luminaire Tested: LD4D15D010-EU4DR600215IC9050-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P743632
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D15D010-EU4DR600215IC9050-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1297.8 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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



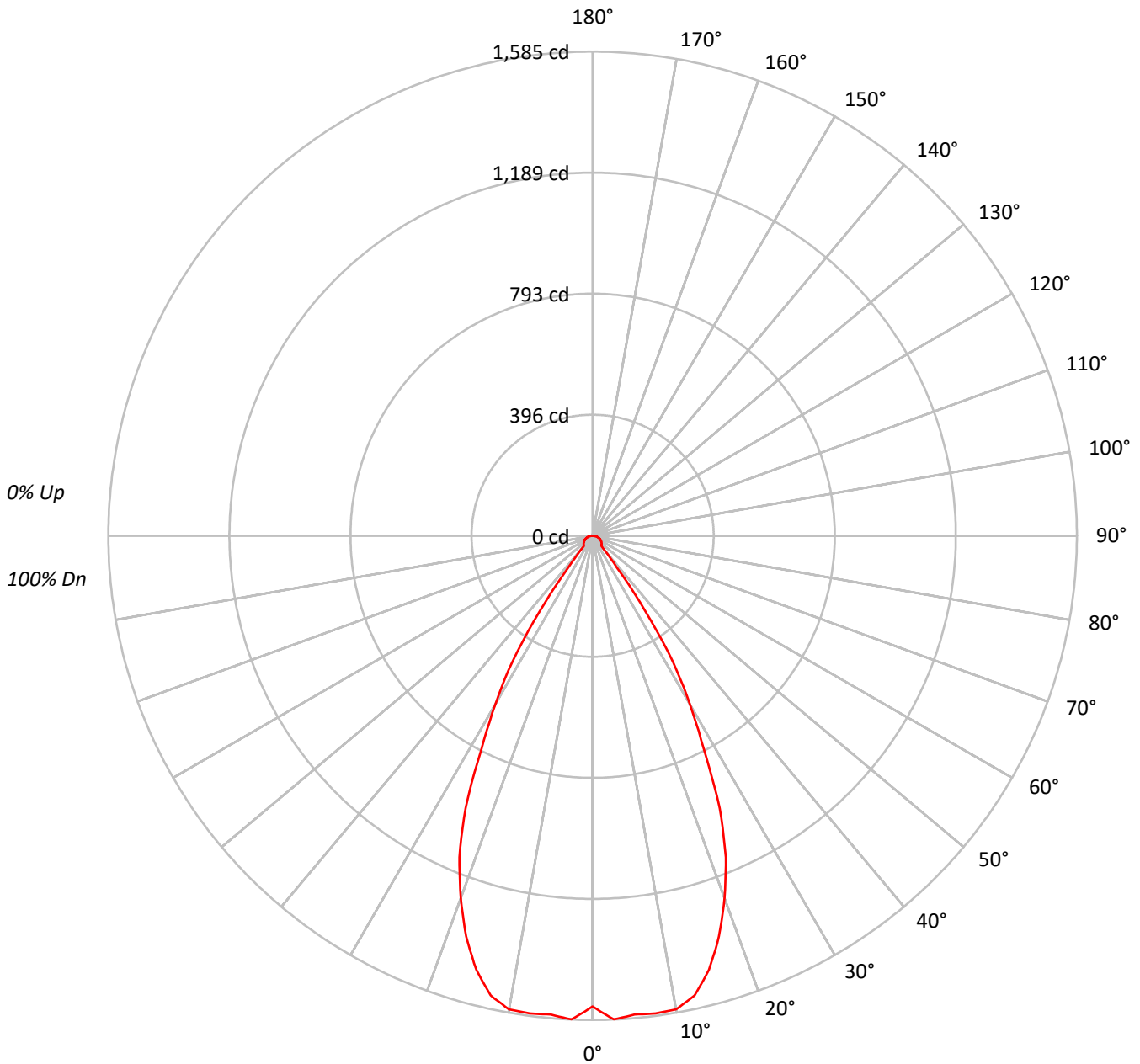
Downlight



TEST NUMBER: P743632

CATALOG NUMBER: LD4D15D010-EU4DR600215IC9050-4LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P743632

CATALOG NUMBER: LD4D15D010-EU4DR600215IC9050-4LBSQW1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	168393
5°	172546
10°	174629
15°	166358
20°	146678
25°	118627
30°	80240
35°	40215
40°	6518
45°	6382
50°	6510
55°	6610
60°	6796
65°	6955
70°	7124
75°	7219
80°	6984
85°	5767

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 7219 cd/sqm



TEST NUMBER: P743632

CATALOG NUMBER: LD4D15D010-EU4DR600215IC9050-4LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.4	11.6
10°-20°	406.8	31.3
20°-30°	437.7	33.7
30°-40°	190.2	14.7
40°-50°	31.9	2.5
50°-60°	31.1	2.4
60°-70°	26.6	2.0
70°-80°	17.8	1.4
80°-90°	5.3	0.4
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°	994.8	76.7
0°-40°	1185.1	91.3
0°-60°	1248.1	96.2
0°-90°	1297.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1297.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1541	
5°	1573	150
15°	1471	407
25°	984	438
35°	302	190
45°	41	32
55°	35	31
65°	27	27
75°	17	18
85°	5	5
90°	0	



TEST NUMBER: P743632

CATALOG NUMBER: LD4D15D010-EU4DR600215IC9050-4LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	1541.2
2.5°	1584.6
5°	1573.2
7.5°	1576.8
10°	1574.0
12.5°	1541.5
15°	1470.7
17.5°	1375.6
20°	1261.5
22.5°	1139.3
25°	984.0
27.5°	787.1
30°	636.0
32.5°	490.2
35°	301.5
37.5°	129.0
40°	45.7
42.5°	42.1
45°	41.3
47.5°	39.9
50°	38.3
52.5°	36.5
55°	34.7
57.5°	32.9
60°	31.1
62.5°	29.1
65°	26.9
67.5°	24.7
70°	22.3
72.5°	19.7
75°	17.1
77.5°	14.0
80°	11.1
82.5°	7.8
85°	4.6
87.5°	1.6
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)