

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: P741596

Luminaire Tested: LD4D08D010-EU4DR600210IC9035-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P741596
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: LD4D08D010-EU4DR600210IC9035-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 716.6 lumens
Efficiency: N/A
Efficacy: 80.5 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): 8.9
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

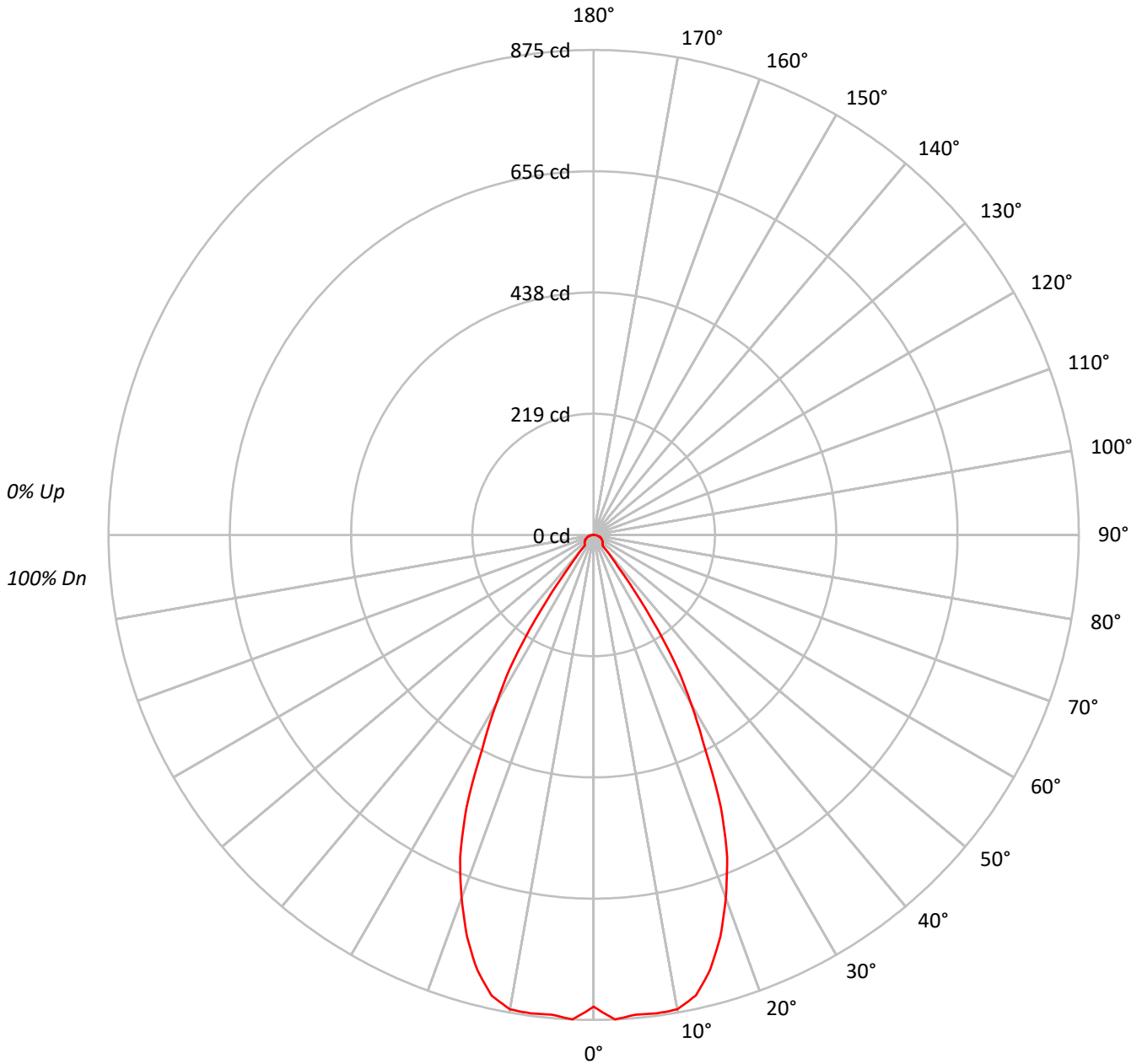


Downlight



TEST NUMBER: P741596
CATALOG NUMBER: LD4D08D010-EU4DR600210IC9035-4LBDP1MW

Luminous Intensity Polar Plot





TEST NUMBER: P741596

CATALOG NUMBER: LD4D08D010-EU4DR600210IC9035-4LBDP1MW

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	63	58	54	62	57	54	61	57	54	53	53	53	53

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	93003
5°	95288
10°	96435
15°	91872
20°	81007
25°	65510
30°	44321
35°	22208
40°	3609
45°	3523
50°	3587
55°	3638
60°	3759
65°	3826
70°	3929
75°	3968
80°	3838
85°	3134

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 3968 cd/sqm



TEST NUMBER: P741596

CATALOG NUMBER: LD4D08D010-EU4DR600210IC9035-4LBDP1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.0	11.6
10°-20°	224.7	31.3
20°-30°	241.7	33.7
30°-40°	105.1	14.7
40°-50°	17.7	2.5
50°-60°	17.2	2.4
60°-70°	14.6	2.0
70°-80°	9.8	1.4
80°-90°	2.9	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°	549.4	76.7
0°-40°	654.5	91.3
0°-60°	689.3	96.2
0°-90°	716.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	716.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	851	
5°	869	83
15°	812	225
25°	543	242
35°	166	105
45°	23	18
55°	19	17
65°	15	15
75°	9	10
85°	2	3
90°	0	



TEST NUMBER: P741596

CATALOG NUMBER: LD4D08D010-EU4DR600210IC9035-4LBDP1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	851.2
2.5°	875.1
5°	868.8
7.5°	870.8
10°	869.2
12.5°	851.3
15°	812.2
17.5°	759.7
20°	696.7
22.5°	629.2
25°	543.4
27.5°	434.6
30°	351.3
32.5°	270.7
35°	166.5
37.5°	71.2
40°	25.3
42.5°	23.3
45°	22.8
47.5°	22.1
50°	21.1
52.5°	20.2
55°	19.1
57.5°	18.2
60°	17.2
62.5°	16.0
65°	14.8
67.5°	13.6
70°	12.3
72.5°	10.8
75°	9.4
77.5°	7.7
80°	6.1
82.5°	4.3
85°	2.5
87.5°	0.9
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)