

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: P741736

Luminaire Tested: LD4D08D010-EU4DR700210IC9030-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P741736
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: LD4D08D010-EU4DR700210IC9030-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 439.0 lumens
Efficiency: N/A
Efficacy: 49.3 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): 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

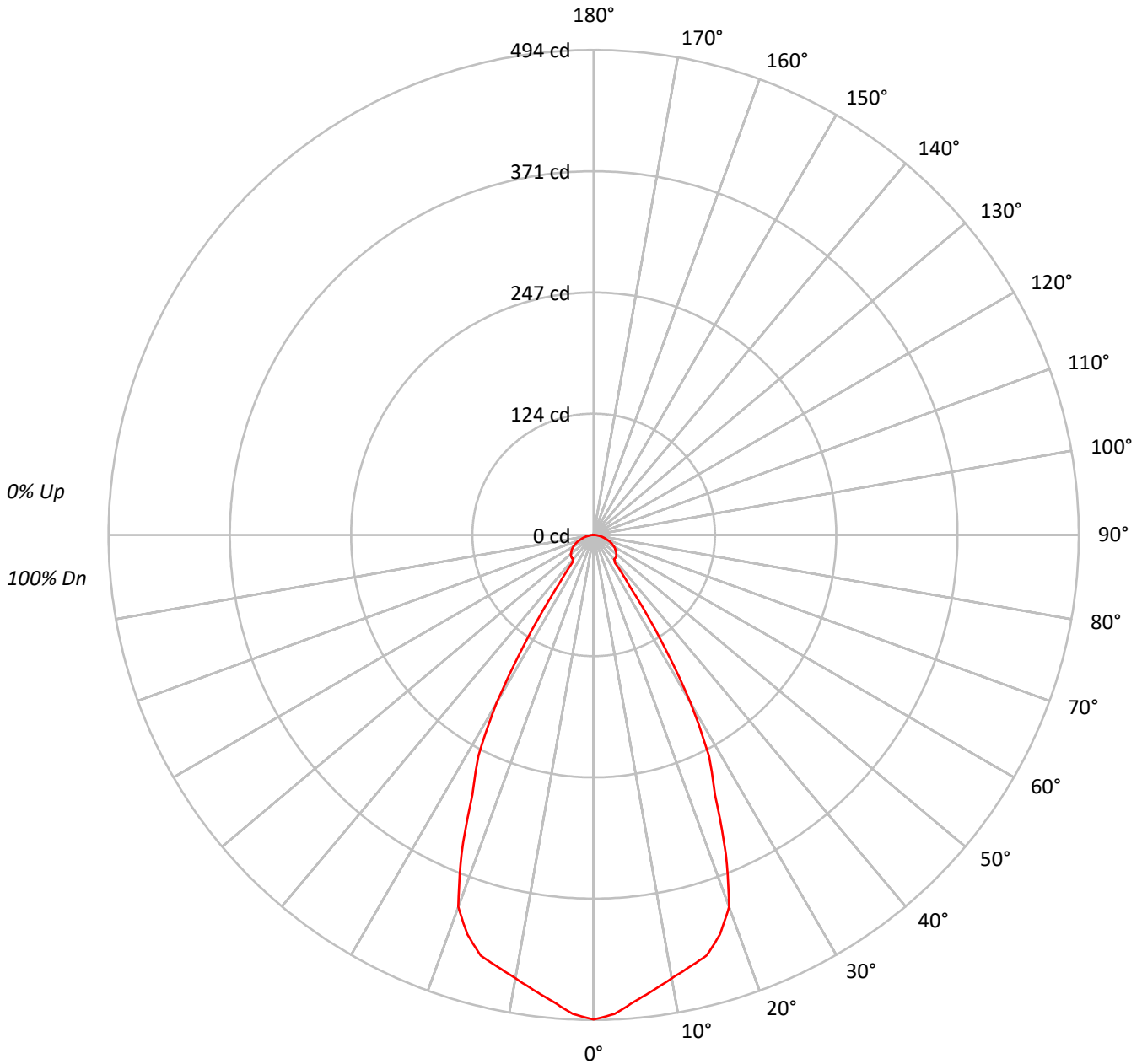


Downlight



TEST NUMBER: P741736
CATALOG NUMBER: LD4D08D010-EU4DR700210IC9030-4LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P741736

CATALOG NUMBER: LD4D08D010-EU4DR700210IC9030-4LBDP1B

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°	53931
5°	52327
10°	50869
15°	50200
20°	46881
25°	35214
30°	24892
35°	8817
40°	4635
45°	4945
50°	5116
55°	5200
60°	5245
65°	5119
70°	4856
75°	4517
80°	3964
85°	3259

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 5246 cd/sqm



TEST NUMBER: P741736

CATALOG NUMBER: LD4D08D010-EU4DR700210IC9030-4LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.0	10.2
10°-20°	123.4	28.1
20°-30°	135.9	31.0
30°-40°	51.9	11.8
40°-50°	24.5	5.6
50°-60°	24.4	5.6
60°-70°	19.5	4.4
70°-80°	11.2	2.6
80°-90°	3.1	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°	304.4	69.3
0°-40°	356.3	81.2
0°-60°	405.2	92.3
0°-90°	439.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	439.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	494	
5°	477	45
15°	444	123
25°	292	136
35°	66	52
45°	32	25
55°	27	24
65°	20	19
75°	11	11
85°	3	3
90°	0	



TEST NUMBER: P741736

CATALOG NUMBER: LD4D08D010-EU4DR700210IC9030-4LBDP1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	493.6
2.5°	488.4
5°	477.1
7.5°	467.6
10°	458.5
12.5°	450.7
15°	443.8
17.5°	427.0
20°	403.2
22.5°	351.7
25°	292.1
27.5°	254.3
30°	197.3
32.5°	127.5
35°	66.1
37.5°	35.7
40°	32.5
42.5°	32.3
45°	32.0
47.5°	31.3
50°	30.1
52.5°	28.8
55°	27.3
57.5°	25.8
60°	24.0
62.5°	21.9
65°	19.8
67.5°	17.5
70°	15.2
72.5°	12.8
75°	10.7
77.5°	8.4
80°	6.3
82.5°	4.5
85°	2.6
87.5°	1.0
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

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)