

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: P740976

Luminaire Tested: LD4D08D010-EU4DR200210IC9035-4LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P740976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D08D010-EU4DR200210IC9035-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 836.3 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 8.9
Input Voltage (V): NR
Input Current (A_{in}): 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



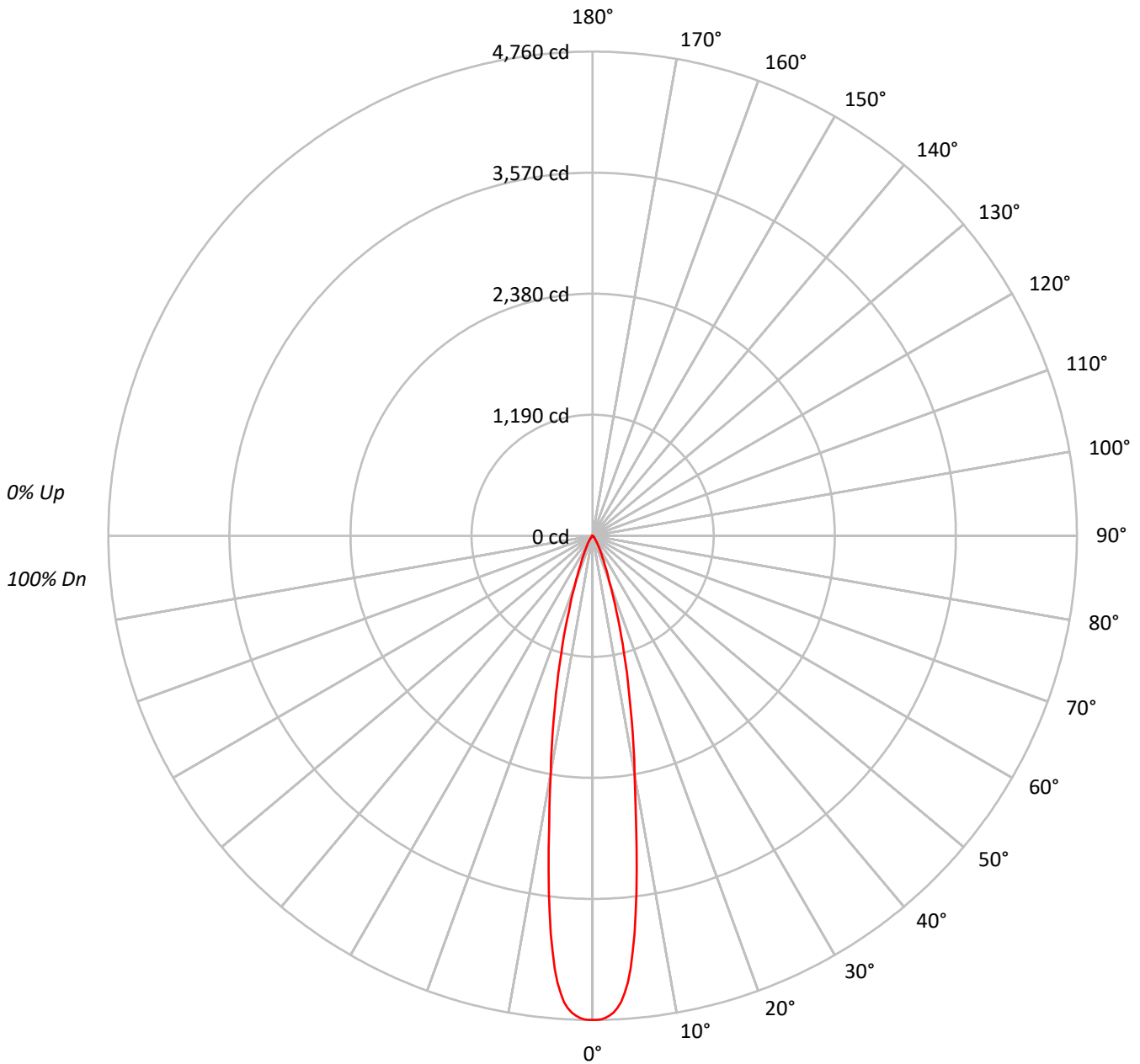
Downlight



TEST NUMBER: P740976

CATALOG NUMBER: LD4D08D010-EU4DR200210IC9035-4LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P740976

CATALOG NUMBER: LD4D08D010-EU4DR200210IC9035-4LBS1MW

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			
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97			
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94			
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91			
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88			
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85			
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83			
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81			
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79			
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77			
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	520048
5°	469181
10°	263331
15°	133860
20°	56671
25°	26161
30°	13853
35°	7456
40°	3994
45°	2364
50°	1377
55°	724
60°	459
65°	336
70°	128
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2364 cd/sqm



TEST NUMBER: P740976

CATALOG NUMBER: LD4D08D010-EU4DR200210IC9035-4LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.9	40.5
10°-20°	333.7	39.9
20°-30°	109.0	13.0
30°-40°	37.1	4.4
40°-50°	12.5	1.5
50°-60°	3.8	0.5
60°-70°	1.2	0.1
70°-80°	0.1	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°	781.6	93.5
0°-40°	818.7	97.9
0°-60°	835.0	99.8
0°-90°	836.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	836.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4760	
5°	4278	339
15°	1183	334
25°	217	109
35°	56	37
45°	15	12
55°	4	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P740976

CATALOG NUMBER: LD4D08D010-EU4DR200210IC9035-4LBS1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	4759.7
0.5°	4759.7
1°	4753.8
1.5°	4741.9
2°	4720.3
2.5°	4691.5
3°	4650.8
3.5°	4594.0
4°	4509.6
4.5°	4407.1
5°	4277.8
5.5°	4107.8
6°	3933.6
6.5°	3734.0
7°	3538.6
7.5°	3309.8
8°	3105.5
8.5°	2899.9
9°	2710.0
9.5°	2535.8
10°	2373.5
12.5°	1704.3
15°	1183.4
17.5°	773.1
20°	487.4
22.5°	315.8
25°	217.0
27.5°	152.6
30°	109.8
32.5°	78.8
35°	55.9
37.5°	39.0
40°	28.0
42.5°	20.3
45°	15.3
47.5°	11.9
50°	8.1
52.5°	5.1
55°	3.8
57.5°	3.0
60°	2.1
62.5°	1.7
65°	1.3



TEST NUMBER: P740976
CATALOG NUMBER: LD4D08D010-EU4DR200210IC9035-4LBS1MW

CANDELA DISTRIBUTION (continued):

	0°
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
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

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





67.5°		0.8
70°		0.4

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

Scaled Data Report



(END OF REPORT)