

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: P756321

Luminaire Tested: LD4D95BD010-EU4DR4070959040-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756321
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR4070959040-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10233.0 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
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

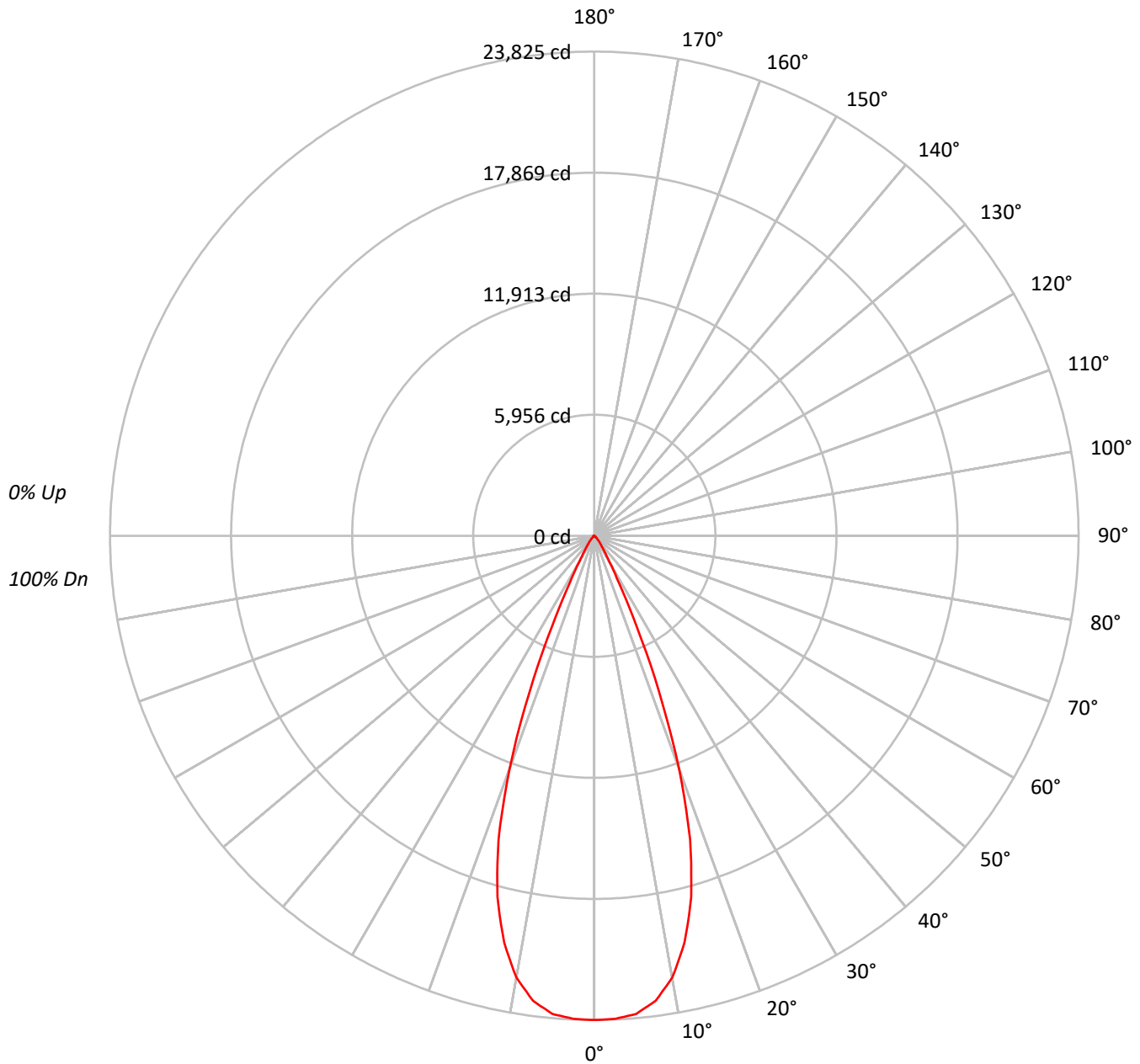


Downlight

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Luminous Intensity Polar Plot





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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	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96						
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92						
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88						
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84						
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81						
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77						
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74						
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72						
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69						
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2603137
5°	2590487
10°	2448573
15°	2081600
20°	1418762
25°	591966
30°	186129
35°	86512
40°	47838
45°	21942
50°	10641
55°	5829
60°	3037
65°	1086
70°	447
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21942 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2205.4	21.6
10°-20°	4940.7	48.3
20°-30°	2473.2	24.2
30°-40°	453.4	4.4
40°-50°	125.1	1.2
50°-60°	29.4	0.3
60°-70°	5.6	0.1
70°-80°	0.2	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°	9619.3	94.0
0°-40°	10072.7	98.4
0°-60°	10227.1	99.9
0°-90°	10233.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10233.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23825	
5°	23619	###
15°	18402	4941
25°	4910	2473
35°	649	453
45°	142	125
55°	31	29
65°	4	6
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	23825.0
2.5°	23790.2
5°	23619.0
7.5°	23073.4
10°	22069.9
12.5°	20505.6
15°	18402.5
17.5°	15667.6
20°	12202.0
22.5°	8318.9
25°	4910.3
27.5°	2595.7
30°	1475.3
32.5°	953.4
35°	648.6
37.5°	463.5
40°	335.4
42.5°	229.6
45°	142.0
47.5°	90.5
50°	62.6
52.5°	44.5
55°	30.6
57.5°	19.5
60°	13.9
62.5°	8.4
65°	4.2
67.5°	2.8
70°	1.4
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



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





— 0°-180°







(END OF REPORT)