

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: P756672

Luminaire Tested: LD4D95BD010-EU4DR6570959027-4LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P756672
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR6570959027-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7881.9 lumens
Efficiency: N/A
Efficacy: 79.5 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 99.2
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

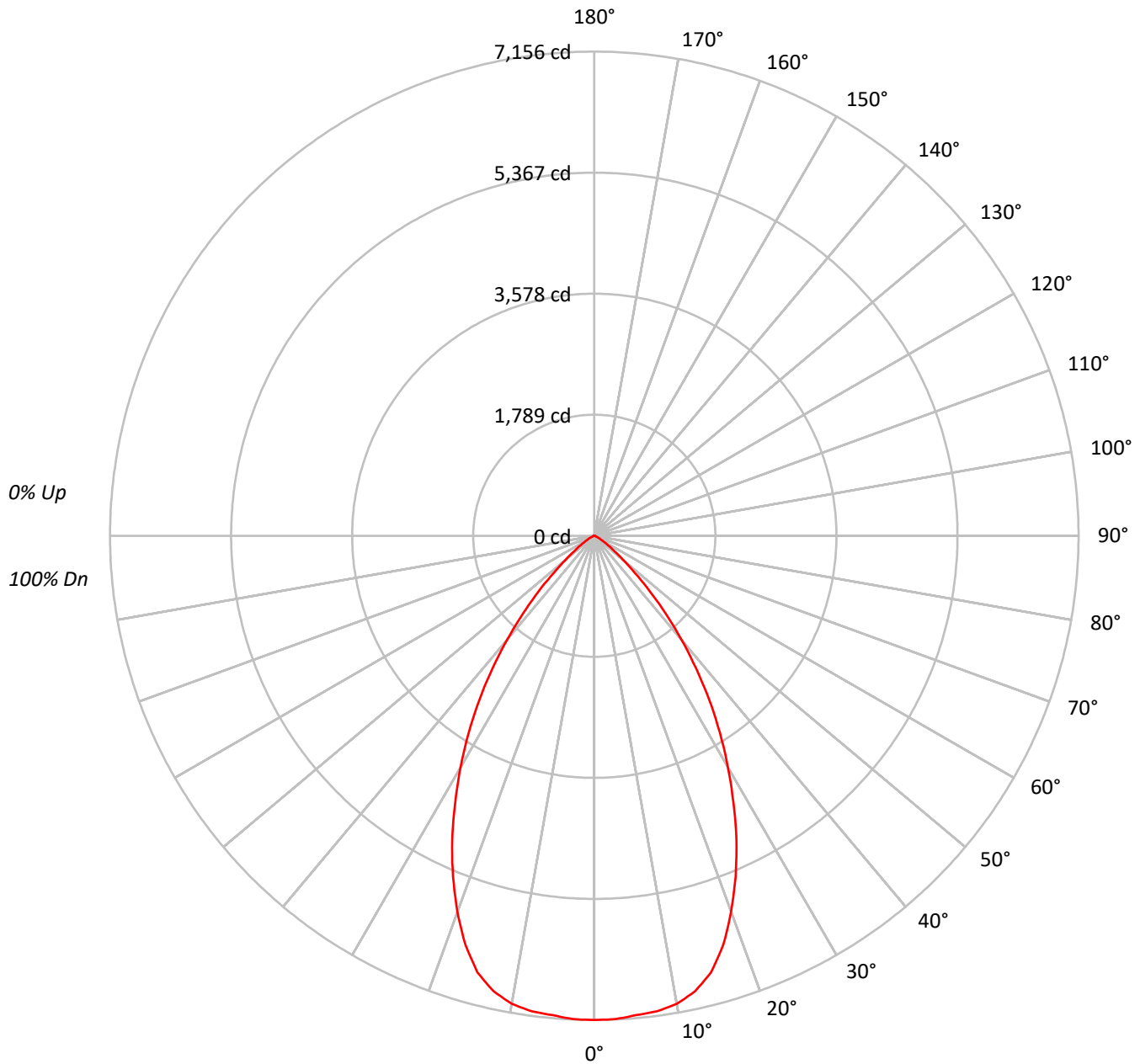


Downlight

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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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	107	105	111	108	105	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	87	83	90	86	82		87	84	81		85
4	95	87	81	76	93	86	80	76	84	79	75		82	77	74		80
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		75
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70
7	80	70	64	59	79	69	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	51		59	54	50		58
10	68	58	52	47	67	57	51	47	57	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	417967
5°	416914
10°	416557
15°	403719
20°	367536
25°	320281
30°	266384
35°	211070
40°	152344
45°	96240
50°	50164
55°	26668
60°	14005
65°	7697
70°	3227
75°	3565
80°	2489
85°	2144

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 96240 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	676.8	8.6
10°-20°	1853.3	23.5
20°-30°	2265.4	28.7
30°-40°	1838.0	23.3
40°-50°	915.9	11.6
50°-60°	255.5	3.2
60°-70°	58.1	0.7
70°-80°	15.1	0.2
80°-90°	3.9	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°	4795.4	60.8
0°-40°	6633.5	84.2
0°-60°	7804.9	99.0
0°-90°	7881.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7881.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7156	
5°	7111	677
15°	6677	1853
25°	4970	2265
35°	2960	1838
45°	1165	916
55°	262	255
65°	56	58
75°	16	15
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7156.5
2.5°	7151.3
5°	7111.3
7.5°	7088.2
10°	7024.0
12.5°	6893.6
15°	6677.0
17.5°	6338.3
20°	5913.5
22.5°	5455.0
25°	4970.1
27.5°	4451.7
30°	3950.0
32.5°	3454.7
35°	2960.4
37.5°	2467.2
40°	1998.2
42.5°	1558.6
45°	1165.2
47.5°	811.9
50°	552.1
52.5°	380.7
55°	261.9
57.5°	176.7
60°	119.9
62.5°	83.1
65°	55.7
67.5°	28.4
70°	18.9
72.5°	17.9
75°	15.8
77.5°	10.5
80°	7.4
82.5°	5.3
85°	3.2
87.5°	2.1
90°	0.0



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

Scaled Data Report





— 0°-180°







(END OF REPORT)