

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: P739723

Luminaire Tested: LD4D02D010-EU4DR700210IC9035-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P739723
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: LD4D02D010-EU4DR700210IC9035-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 390.0 lumens
Efficiency: N/A
Efficacy: 76.5 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): 5.1
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



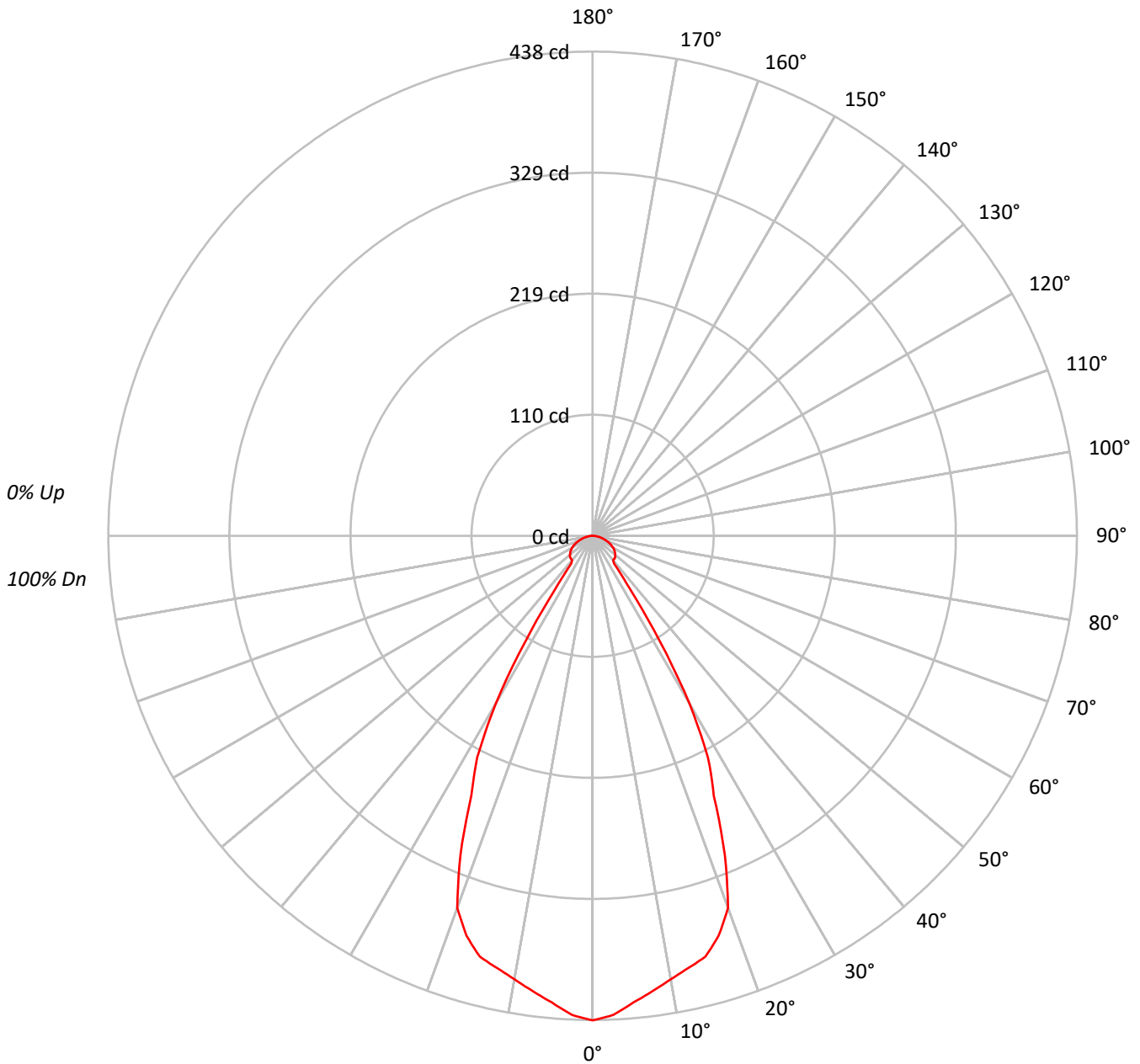
Downlight



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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			0
RW	70	50	30	10	70	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°	47900
5°	46482
10°	45188
15°	44590
20°	41637
25°	31284
30°	22116
35°	7830
40°	4122
45°	4388
50°	4538
55°	4629
60°	4655
65°	4550
70°	4313
75°	4010
80°	3524
85°	2883

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 4657 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.0	10.3
10°-20°	109.6	28.1
20°-30°	120.8	31.0
30°-40°	46.1	11.8
40°-50°	21.8	5.6
50°-60°	21.7	5.6
60°-70°	17.3	4.4
70°-80°	10.0	2.6
80°-90°	2.7	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°	270.4	69.3
0°-40°	316.5	81.2
0°-60°	359.9	92.3
0°-90°	390.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	390.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	438	
5°	424	40
15°	394	110
25°	260	121
35°	59	46
45°	28	22
55°	24	22
65°	18	17
75°	10	10
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	438.4
2.5°	433.8
5°	423.8
7.5°	415.4
10°	407.3
12.5°	400.4
15°	394.2
17.5°	379.3
20°	358.1
22.5°	312.4
25°	259.5
27.5°	225.9
30°	175.3
32.5°	113.2
35°	58.7
37.5°	31.7
40°	28.9
42.5°	28.6
45°	28.4
47.5°	27.8
50°	26.7
52.5°	25.6
55°	24.3
57.5°	22.9
60°	21.3
62.5°	19.5
65°	17.6
67.5°	15.5
70°	13.5
72.5°	11.4
75°	9.5
77.5°	7.4
80°	5.6
82.5°	4.0
85°	2.3
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

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— 0°-180°

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