

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: P739710

Luminaire Tested: LD4D02D010-EU4DR700210IC9030-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P739710
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-EU4DR700210IC9030-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 369.3 lumens
Efficiency: N/A
Efficacy: 72.4 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 (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



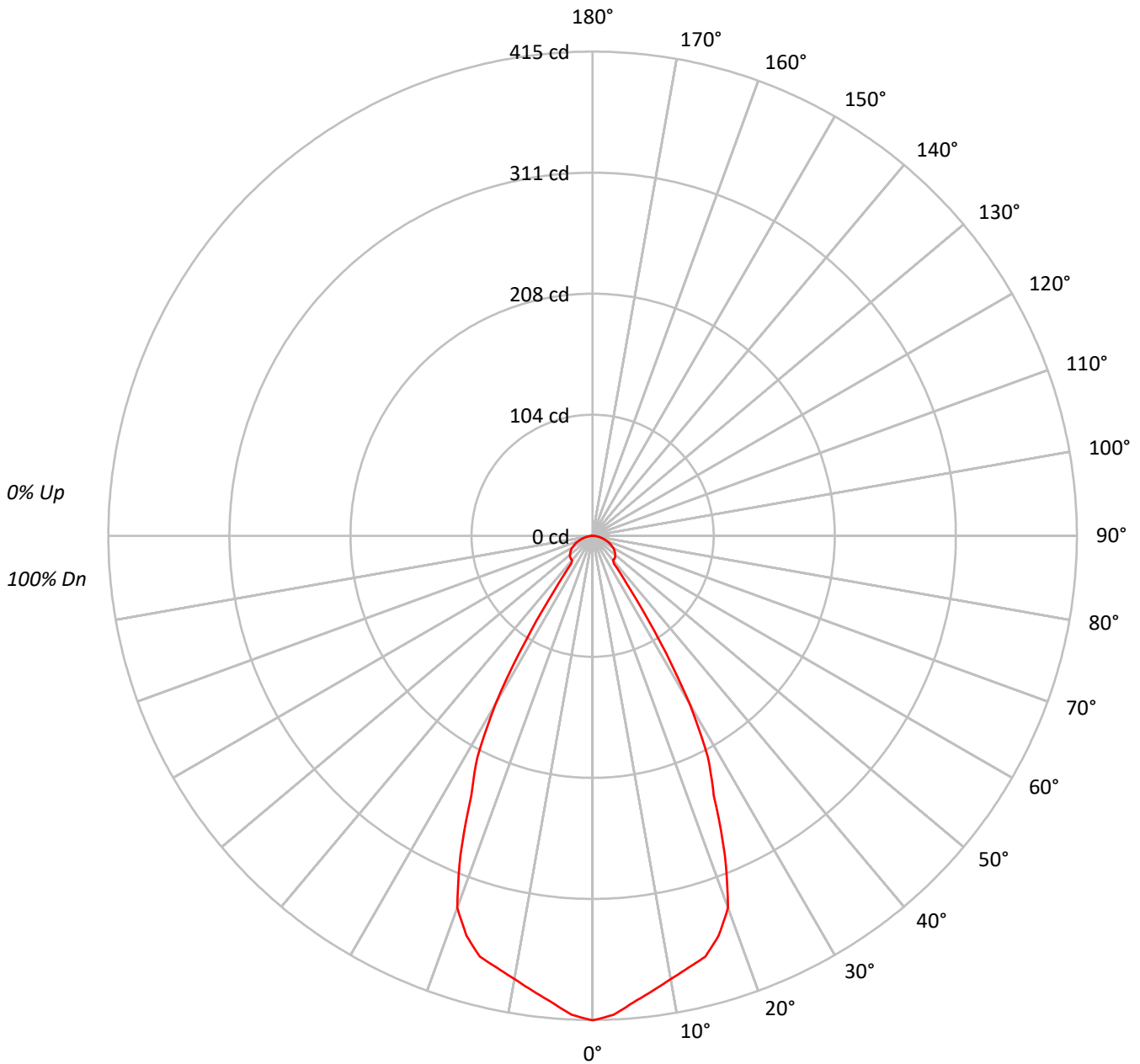
Downlight



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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	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	88	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°	45376
5°	44025
10°	42803
15°	42237
20°	39440
25°	29633
30°	20943
35°	7416
40°	3894
45°	4157
50°	4300
55°	4381
60°	4414
65°	4318
70°	4089
75°	3757
80°	3335
85°	2758

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 4414 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.9	10.3
10°-20°	103.9	28.1
20°-30°	114.4	31.0
30°-40°	43.7	11.8
40°-50°	20.6	5.6
50°-60°	20.5	5.6
60°-70°	16.4	4.4
70°-80°	9.4	2.6
80°-90°	2.6	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°	256.1	69.3
0°-40°	299.8	81.2
0°-60°	340.9	92.3
0°-90°	369.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	369.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	415	
5°	401	38
15°	373	104
25°	246	114
35°	56	44
45°	27	21
55°	23	21
65°	17	16
75°	9	9
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	415.3
2.5°	411.0
5°	401.4
7.5°	393.4
10°	385.8
12.5°	379.2
15°	373.4
17.5°	359.3
20°	339.2
22.5°	295.9
25°	245.8
27.5°	213.9
30°	166.0
32.5°	107.3
35°	55.6
37.5°	30.0
40°	27.3
42.5°	27.2
45°	26.9
47.5°	26.3
50°	25.3
52.5°	24.2
55°	23.0
57.5°	21.7
60°	20.2
62.5°	18.4
65°	16.7
67.5°	14.7
70°	12.8
72.5°	10.8
75°	8.9
77.5°	7.0
80°	5.3
82.5°	3.7
85°	2.2
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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(END OF REPORT)