

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: P739541

Luminaire Tested: LD4D02D010-EU4DR600210IC9027-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P739541
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D02D010-EU4DR600210IC9027-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 355.4 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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



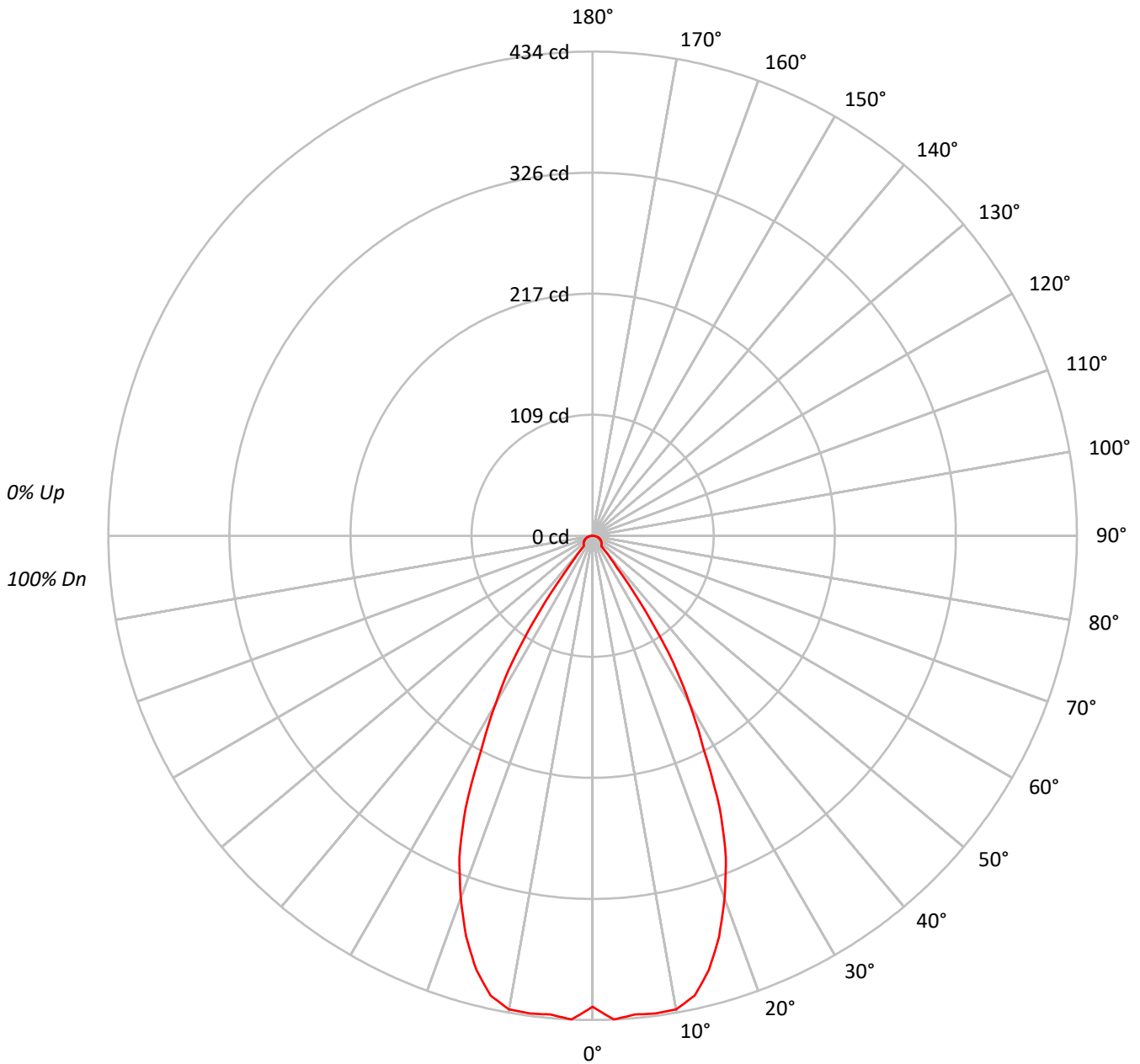
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93						93													
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86						86													
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80						80													
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75						75													
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70						70													
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66						66													
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62						62													
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59						59													
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55						55													
10	73	64	58	54	72	63	58	54	63	58	54	62	57	54	61	57	54	53						53													

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	46119
5°	47249
10°	47818
15°	45551
20°	40161
25°	32490
30°	21978
35°	11017
40°	1783
45°	1746
50°	1785
55°	1810
60°	1857
65°	1887
70°	1949
75°	1942
80°	1888
85°	1630

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 72.5°
 Luminance: 1962 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.2	11.6
10°-20°	111.4	31.3
20°-30°	119.9	33.7
30°-40°	52.1	14.7
40°-50°	8.7	2.5
50°-60°	8.5	2.4
60°-70°	7.3	2.0
70°-80°	4.8	1.4
80°-90°	1.5	0.4
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°	272.4	76.7
0°-40°	324.5	91.3
0°-60°	341.8	96.2
0°-90°	355.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	355.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	422	
5°	431	41
15°	403	111
25°	270	120
35°	83	52
45°	11	9
55°	10	9
65°	7	7
75°	5	5
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	422.1
2.5°	434.0
5°	430.8
7.5°	431.8
10°	431.0
12.5°	422.2
15°	402.7
17.5°	376.7
20°	345.4
22.5°	312.0
25°	269.5
27.5°	215.5
30°	174.2
32.5°	134.2
35°	82.6
37.5°	35.3
40°	12.5
42.5°	11.5
45°	11.3
47.5°	10.9
50°	10.5
52.5°	10.0
55°	9.5
57.5°	9.0
60°	8.5
62.5°	8.0
65°	7.3
67.5°	6.8
70°	6.1
72.5°	5.4
75°	4.6
77.5°	3.8
80°	3.0
82.5°	2.1
85°	1.3
87.5°	0.5
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)