

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: P752820

Luminaire Tested: LD4D70BD010-EU4DR6570959050-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752820
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D70BD010-EU4DR6570959050-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6331.9 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 66.6
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

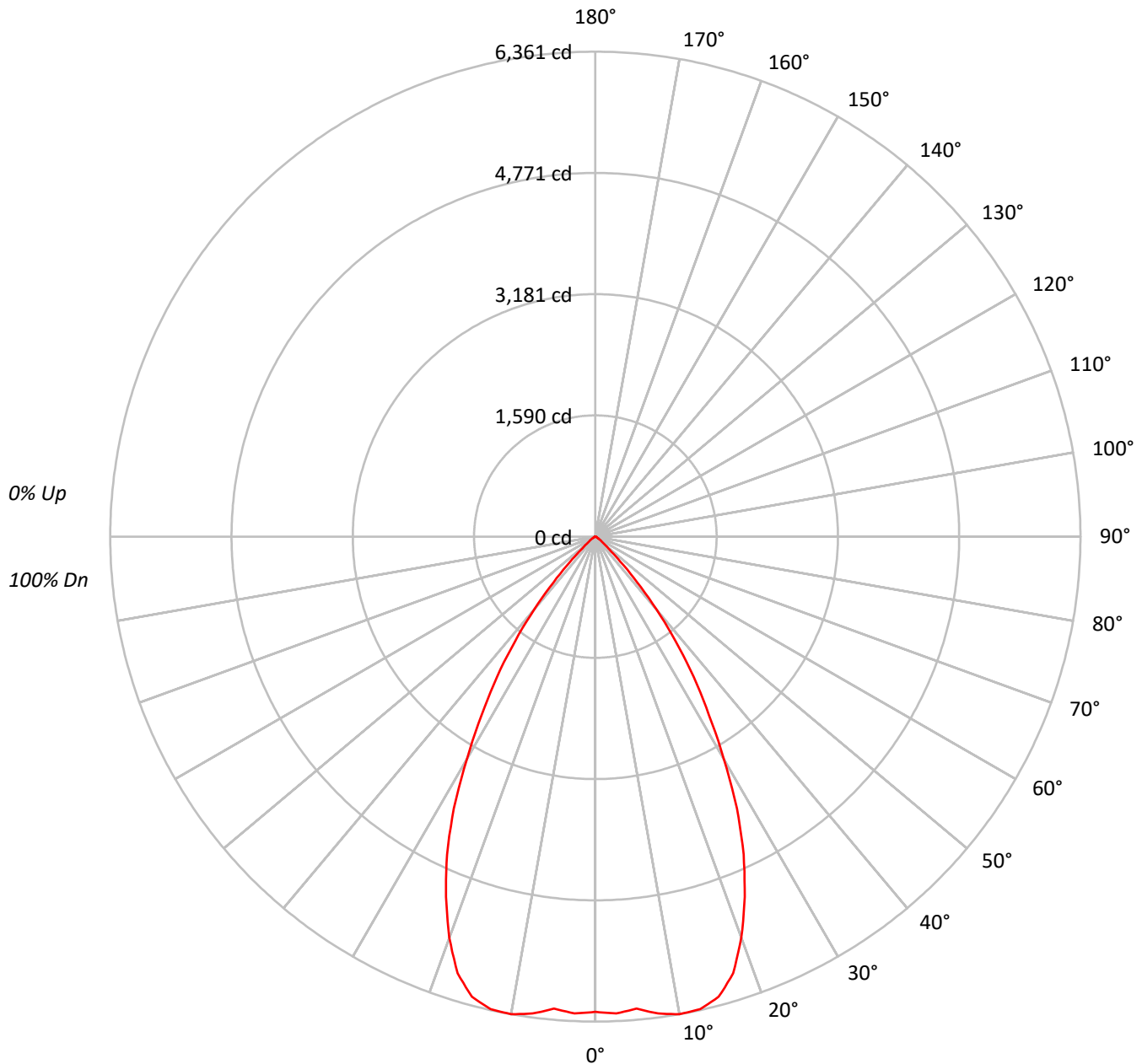


Downlight

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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
RW	70	50	30	10		70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	111	108	106		111	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		106	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	91	87		100	94	90	86		92	88	85		89	86	83		87	84	82
4	97	89	84	79		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	83	78	73		90	83	77	73		81	76	72		79	75	72		77	74	71
6	87	78	72	68		86	77	72	68		76	71	67		74	70	67		73	69	66
7	83	73	67	63		81	73	67	63		71	66	62		70	66	62		69	65	62
8	79	69	63	59		77	68	63	59		67	62	58		66	62	58		65	61	58
9	75	65	59	55		74	65	59	55		64	58	55		63	58	55		62	58	54
10	71	61	56	52		70	61	55	52		60	55	51		59	55	51		59	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	681153
5°	681715
10°	705707
15°	706879
20°	650802
25°	554521
30°	424502
35°	299898
40°	177032
45°	71866
50°	26058
55°	14515
60°	8326
65°	4576
70°	4824
75°	3757
80°	3901
85°	3385

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 71866 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	600.3	9.5
10°-20°	1731.6	27.3
20°-30°	2077.6	32.8
30°-40°	1396.2	22.1
40°-50°	418.0	6.6
50°-60°	73.8	1.2
60°-70°	21.0	0.3
70°-80°	10.3	0.2
80°-90°	3.3	0.1
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°	4409.5	69.6
0°-40°	5805.6	91.7
0°-60°	6297.4	99.5
0°-90°	6331.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6331.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6234	
5°	6216	600
15°	6249	1732
25°	4600	2078
35°	2248	1396
45°	465	418
55°	76	74
65°	18	21
75°	9	10
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6234.2
2.5°	6260.7
5°	6215.6
7.5°	6309.5
10°	6360.8
12.5°	6348.4
15°	6249.2
17.5°	6006.5
20°	5597.2
22.5°	5115.3
25°	4599.7
27.5°	4017.6
30°	3364.7
32.5°	2772.9
35°	2248.4
37.5°	1730.2
40°	1241.2
42.5°	810.6
45°	465.1
47.5°	246.3
50°	153.3
52.5°	106.3
55°	76.2
57.5°	54.9
60°	38.1
62.5°	24.8
65°	17.7
67.5°	15.9
70°	15.1
72.5°	11.5
75°	8.9
77.5°	8.0
80°	6.2
82.5°	4.4
85°	2.7
87.5°	1.8
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)