

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: P753678

Luminaire Tested: LD4D75BD010-EU4DR7070959050-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753678
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: LD4D75BD010-EU4DR7070959050-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7709.3 lumens
Efficiency: N/A
Efficacy: 106.5 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): 72.4
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

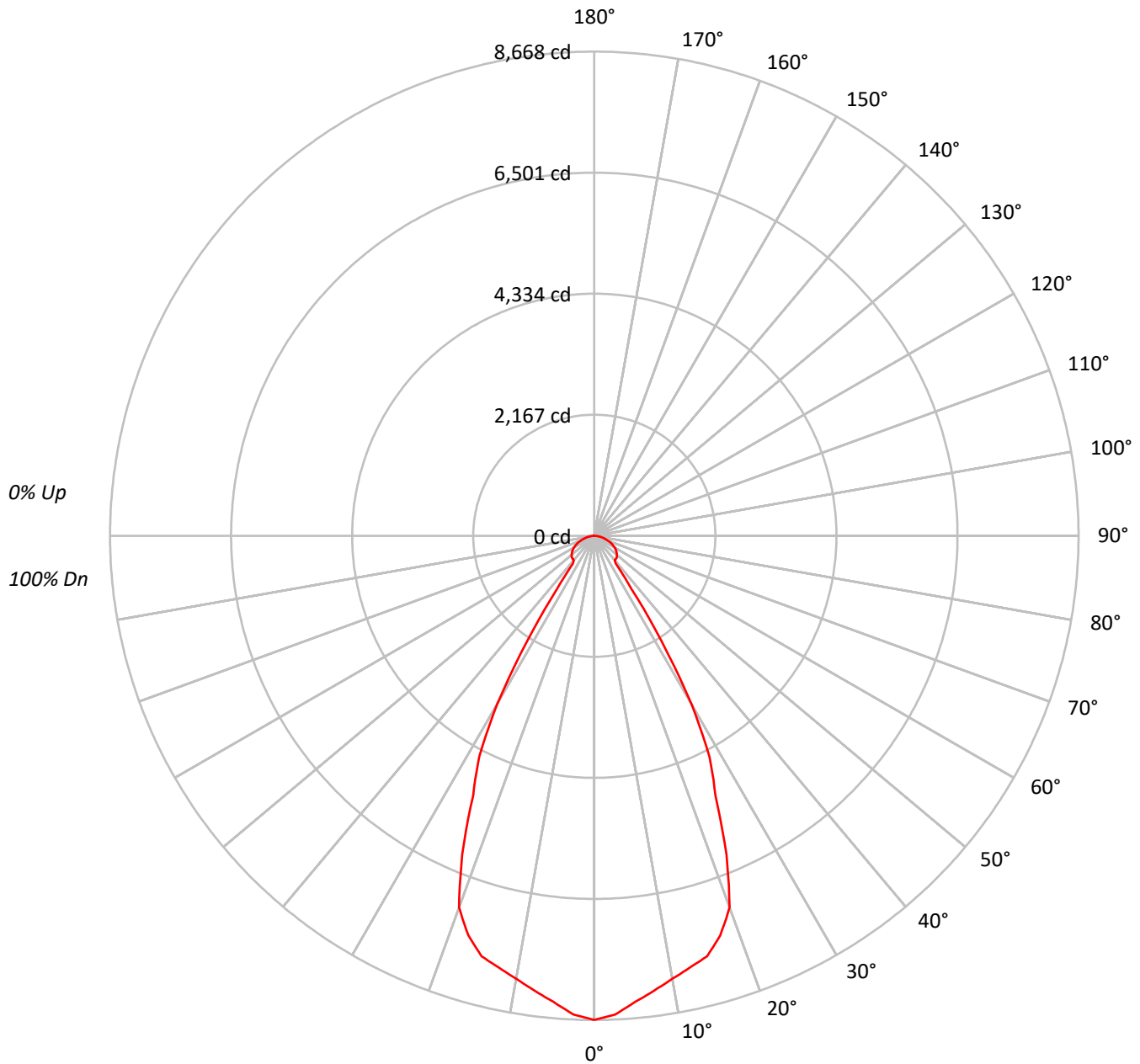


Downlight

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	106	103		110	107	104	102		103	101	99		99	97	96		95	94	93
2	106	100	95	91		103	98	94	90		95	91	88		92	89	86		89	87	85
3	100	92	87	82		98	91	86	81		88	84	80		86	82	79		83	80	78
4	94	86	80	75		92	85	79	74		82	77	73		80	76	73		78	75	72
5	89	80	74	69		87	79	73	69		77	72	68		75	71	67		74	70	67
6	85	75	68	64		83	74	68	64		73	67	63		71	66	63		70	66	62
7	80	70	64	59		79	70	64	59		68	63	59		67	62	59		66	62	58
8	77	66	60	56		75	66	60	56		65	59	55		64	59	55		63	58	55
9	73	63	57	52		72	62	56	52		61	56	52		60	55	52		60	55	52
10	70	59	53	49		69	59	53	49		58	53	49		57	52	49		57	52	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	947029
5°	918883
10°	893273
15°	881551
20°	823189
25°	618416
30°	437169
35°	154857
40°	81427
45°	86731
50°	89800
55°	91492
60°	92063
65°	90125
70°	85039
75°	78773
80°	69968
85°	56789

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 92098 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	790.2	10.3
10°-20°	2167.6	28.1
20°-30°	2387.3	31.0
30°-40°	912.1	11.8
40°-50°	430.7	5.6
50°-60°	428.2	5.6
60°-70°	342.8	4.4
70°-80°	197.0	2.6
80°-90°	53.6	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°	5345.0	69.3
0°-40°	6257.1	81.2
0°-60°	7116.0	92.3
0°-90°	7709.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7709.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8668	
5°	8378	790
15°	7793	2168
25°	5130	2387
35°	1161	912
45°	561	431
55°	480	428
65°	349	343
75°	187	197
85°	45	54
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8667.6
2.5°	8577.0
5°	8378.0
7.5°	8211.9
10°	8051.4
12.5°	7915.5
15°	7793.4
17.5°	7498.3
20°	7079.8
22.5°	6176.8
25°	5129.7
27.5°	4465.5
30°	3465.1
32.5°	2238.3
35°	1161.0
37.5°	627.1
40°	570.9
42.5°	566.8
45°	561.3
47.5°	548.9
50°	528.3
52.5°	505.0
55°	480.3
57.5°	452.9
60°	421.3
62.5°	385.6
65°	348.6
67.5°	307.4
70°	266.2
72.5°	225.1
75°	186.6
77.5°	146.8
80°	111.2
82.5°	78.2
85°	45.3
87.5°	17.8
90°	0.0



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— 0°-180°







(END OF REPORT)