

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: P753189

Luminaire Tested: LD4D75BD010-EU4DR4070959035-4LBS1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P753189
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR4070959035-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8359.0 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
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

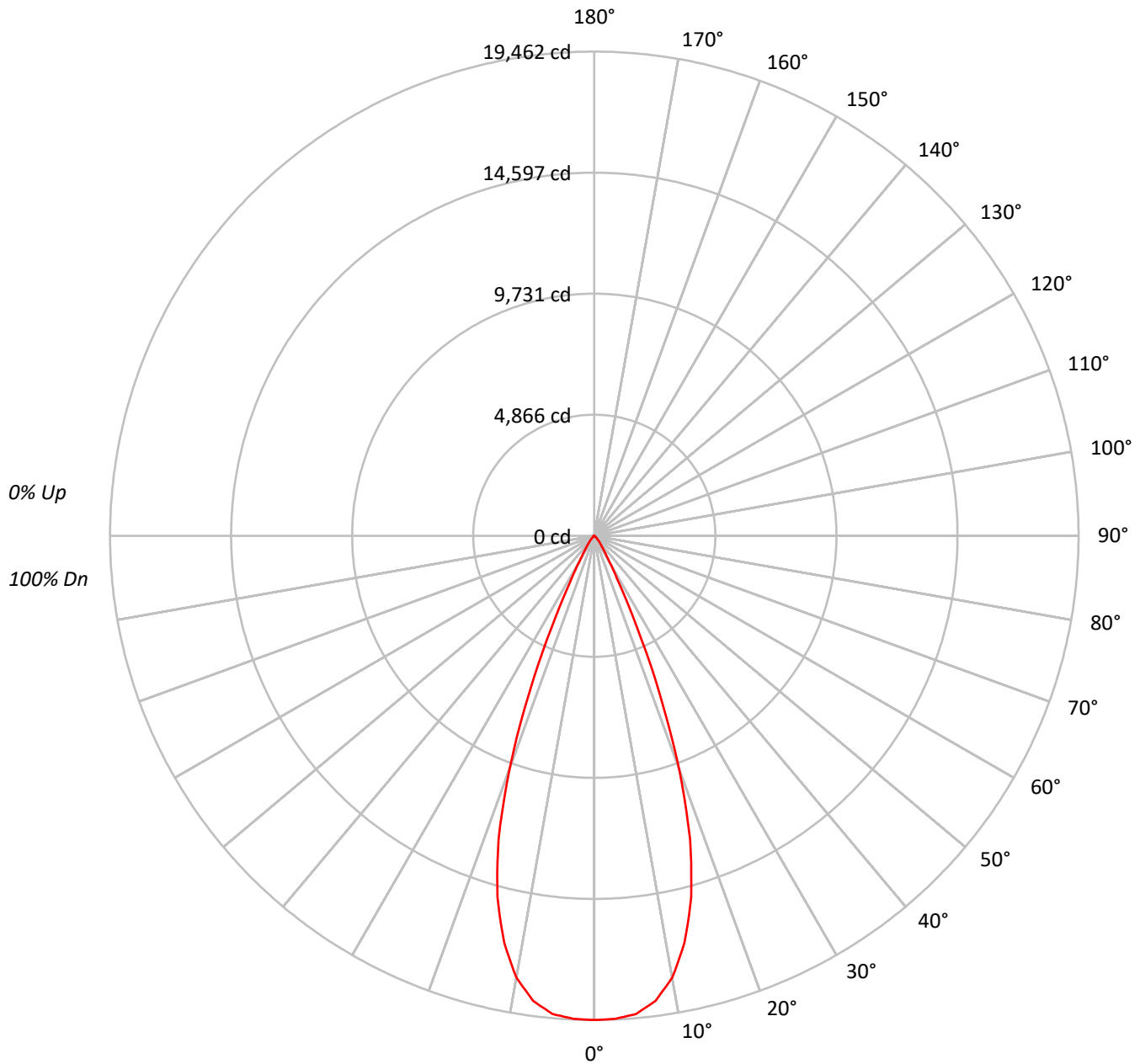


Downlight

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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	115	112	110	108	112	110	108	107		106	105	103			103	101	100			99
2	110	106	103	100	108	105	102	99		102	99	97			99	97	95			96
3	106	101	97	94	104	100	96	93		97	94	92			95	93	90			93
4	102	97	92	89	101	95	91	88		93	90	87			92	89	86			90
5	99	92	88	84	97	91	87	84		90	86	83			88	85	83			87
6	95	88	84	80	94	88	83	80		86	82	80			85	82	79			84
7	92	85	80	77	91	84	80	77		83	79	76			82	79	76			81
8	89	82	77	74	88	81	77	74		80	76	73			79	76	73			78
9	86	79	74	71	85	78	74	71		77	73	71			76	73	70			76
10	83	76	71	68	82	75	71	68		75	71	68			74	70	68			73

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2126433
5°	2116097
10°	2000173
15°	1700402
20°	1158950
25°	483562
30°	152040
35°	70666
40°	39081
45°	17924
50°	8703
55°	4762
60°	2491
65°	879
70°	351
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17924 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1801.5	21.6
10°-20°	4035.9	48.3
20°-30°	2020.3	24.2
30°-40°	370.3	4.4
40°-50°	102.2	1.2
50°-60°	24.0	0.3
60°-70°	4.6	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	7857.7	94.0
0°-40°	8228.1	98.4
0°-60°	8354.3	99.9
0°-90°	8359.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8359.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19462	
5°	19294	###
15°	15032	4036
25°	4011	2020
35°	530	370
45°	116	102
55°	25	24
65°	3	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	19462.0
2.5°	19433.6
5°	19293.7
7.5°	18848.0
10°	18028.3
12.5°	16750.4
15°	15032.5
17.5°	12798.4
20°	9967.5
22.5°	6795.4
25°	4011.1
27.5°	2120.4
30°	1205.1
32.5°	778.8
35°	529.8
37.5°	378.6
40°	274.0
42.5°	187.6
45°	116.0
47.5°	73.9
50°	51.2
52.5°	36.4
55°	25.0
57.5°	15.9
60°	11.4
62.5°	6.8
65°	3.4
67.5°	2.3
70°	1.1
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)