

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: P753327

Luminaire Tested: LD4D75BD010-EU4DR5070959030-4LBDP1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P753327
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR5070959030-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7436.9 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
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

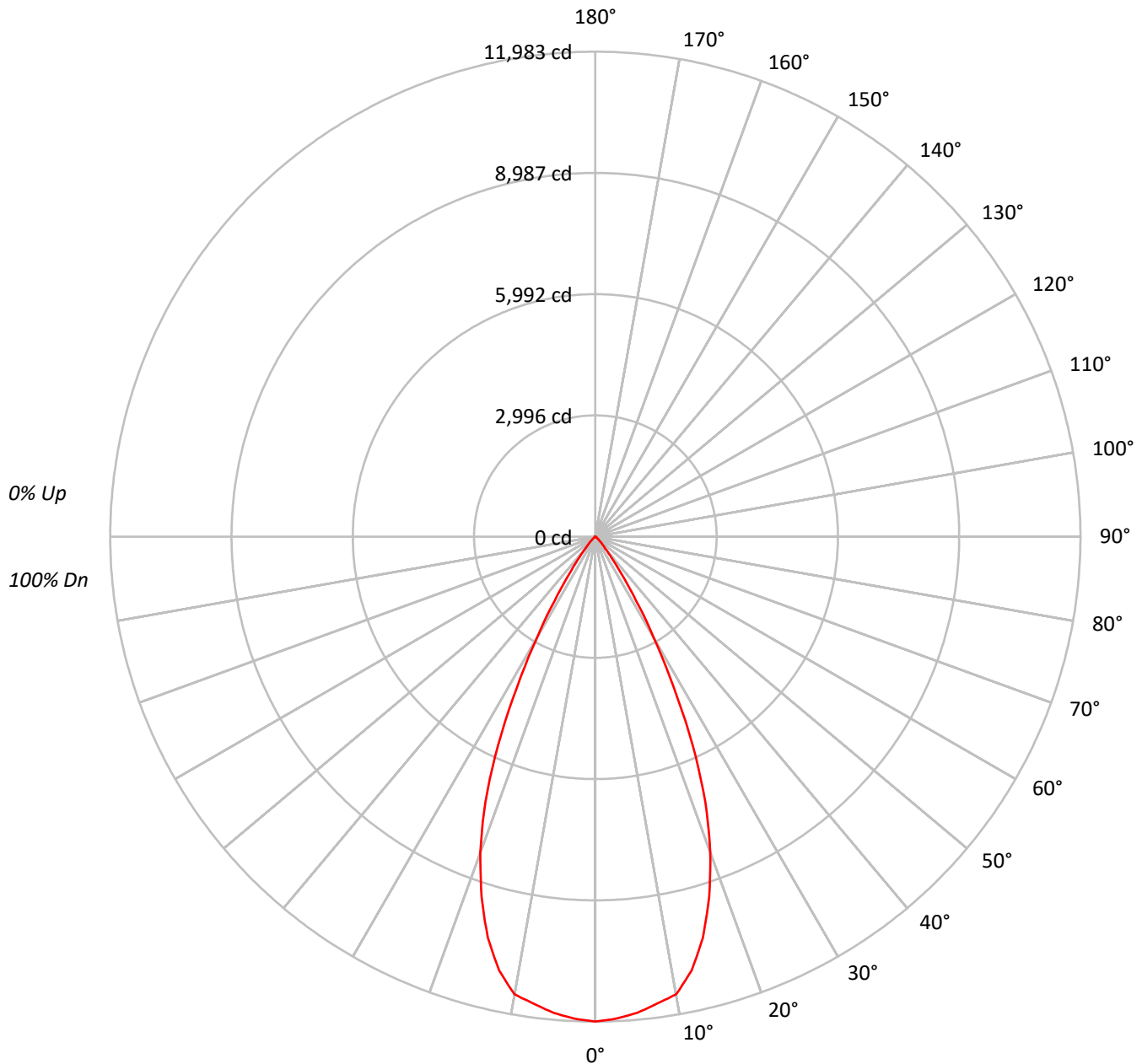


Downlight

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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	114	112	109	107		112	110	108	106		106	104	102			102	101	99			98
2	109	105	101	98		107	103	100	97		100	98	95			97	95	93			95
3	105	99	95	91		103	98	94	90		95	92	89			93	90	88			91
4	100	94	89	85		99	93	88	85		90	87	84			89	85	83			87
5	96	89	84	80		95	88	83	79		86	82	79			85	81	78			83
6	92	84	79	75		91	83	79	75		82	78	74			81	77	74			79
7	88	80	75	71		87	79	74	71		78	74	71			77	73	70			76
8	85	76	71	67		84	76	71	67		75	70	67			74	70	67			73
9	81	73	68	64		80	72	67	64		71	67	64			71	67	64			70
10	78	70	64	61		77	69	64	61		68	64	61			68	64	61			67

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1309250
5°	1295529
10°	1274185
15°	1160244
20°	965460
25°	685336
30°	362745
35°	147828
40°	54898
45°	25140
50°	10301
55°	5391
60°	2644
65°	776
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25140 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1116.5	15.0
10°-20°	2821.6	37.9
20°-30°	2534.5	34.1
30°-40°	793.6	10.7
40°-50°	138.9	1.9
50°-60°	27.7	0.4
60°-70°	4.2	0.1
70°-80°	0.0	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°	6472.6	87.0
0°-40°	7266.1	97.7
0°-60°	7432.8	99.9
0°-90°	7436.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7436.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11983	
5°	11812	###
15°	10257	2822
25°	5685	2535
35°	1108	794
45°	163	139
55°	28	28
65°	3	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11982.8
2.5°	11923.2
5°	11812.1
7.5°	11642.3
10°	11484.7
12.5°	10979.6
15°	10257.2
17.5°	9339.9
20°	8303.4
22.5°	7104.2
25°	5684.8
27.5°	4179.5
30°	2875.2
32.5°	1872.0
35°	1108.3
37.5°	636.5
40°	384.9
42.5°	250.5
45°	162.7
47.5°	99.0
50°	60.6
52.5°	41.4
55°	28.3
57.5°	19.2
60°	12.1
62.5°	7.1
65°	3.0
67.5°	1.0
70°	0.0
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)