

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: P753561

Luminaire Tested: LD4D75BD010-EU4DR6570959030-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753561
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: LD4D75BD010-EU4DR6570959030-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6281.9 lumens
Efficiency: N/A
Efficacy: 86.8 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): 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

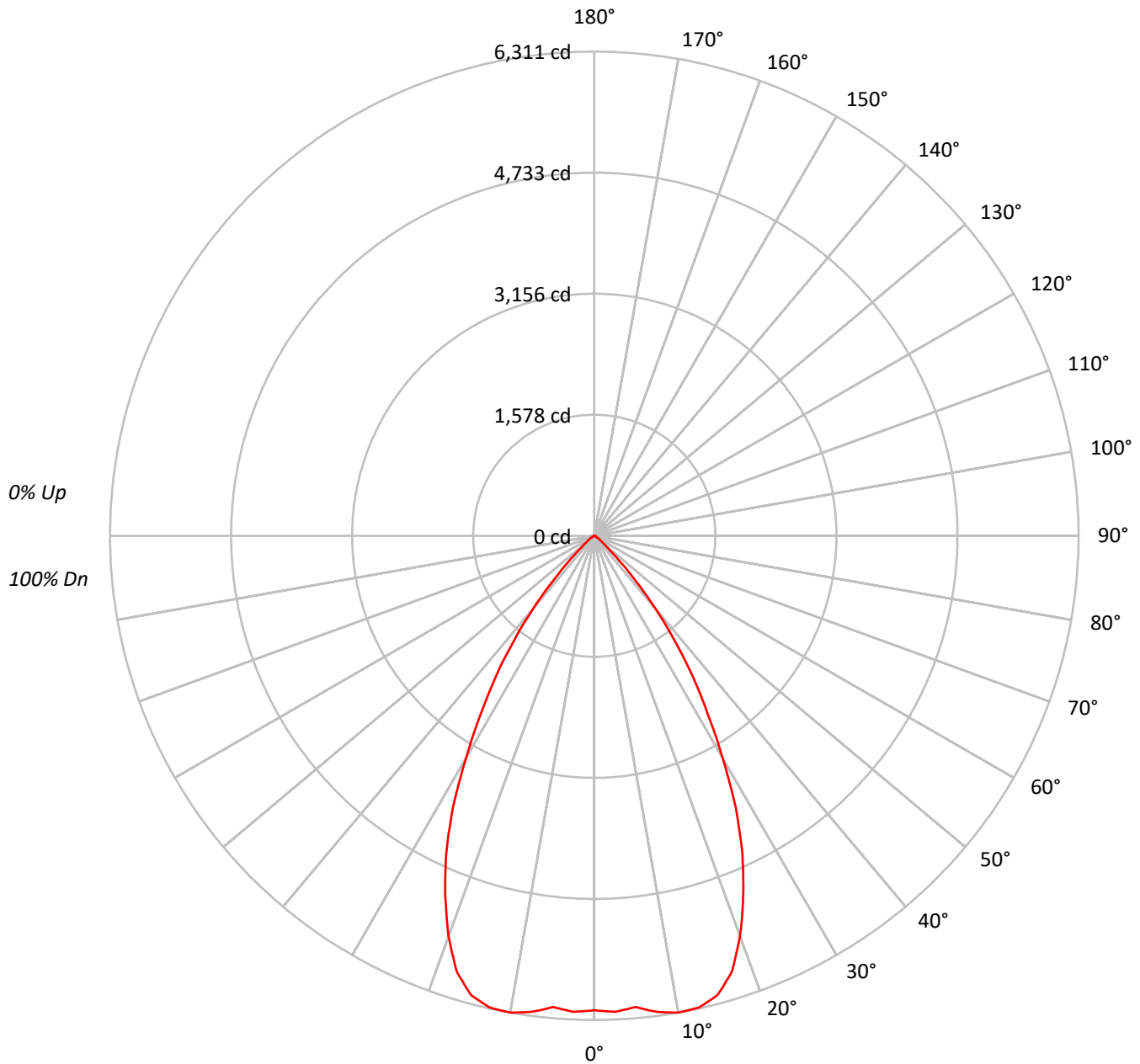


Downlight

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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	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°	675778
5°	676330
10°	700149
15°	701302
20°	645663
25°	550145
30°	421159
35°	297537
40°	175634
45°	71295
50°	25854
55°	14401
60°	8260
65°	4550
70°	4760
75°	3715
80°	3901
85°	3259

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 71295 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	595.6	9.5
10°-20°	1717.9	27.3
20°-30°	2061.2	32.8
30°-40°	1385.2	22.1
40°-50°	414.6	6.6
50°-60°	73.2	1.2
60°-70°	20.8	0.3
70°-80°	10.2	0.2
80°-90°	3.2	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°	4374.7	69.6
0°-40°	5759.8	91.7
0°-60°	6247.7	99.5
0°-90°	6281.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6281.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6185	
5°	6166	596
15°	6200	1718
25°	4563	2061
35°	2231	1385
45°	461	415
55°	76	73
65°	18	21
75°	9	10
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6185.0
2.5°	6211.4
5°	6166.5
7.5°	6259.7
10°	6310.7
12.5°	6298.4
15°	6199.9
17.5°	5959.1
20°	5553.0
22.5°	5074.9
25°	4563.4
27.5°	3985.9
30°	3338.2
32.5°	2751.0
35°	2230.7
37.5°	1716.5
40°	1231.4
42.5°	804.2
45°	461.4
47.5°	244.3
50°	152.1
52.5°	105.5
55°	75.6
57.5°	54.5
60°	37.8
62.5°	24.6
65°	17.6
67.5°	15.8
70°	14.9
72.5°	11.4
75°	8.8
77.5°	7.9
80°	6.2
82.5°	4.4
85°	2.6
87.5°	1.8
90°	0.0



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— 0°-180°







(END OF REPORT)