

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: P753612

Luminaire Tested: LD4D75BD010-EU4DR7070959024-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753612
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-EU4DR7070959024-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3607.8 lumens
Efficiency: N/A
Efficacy: 49.8 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

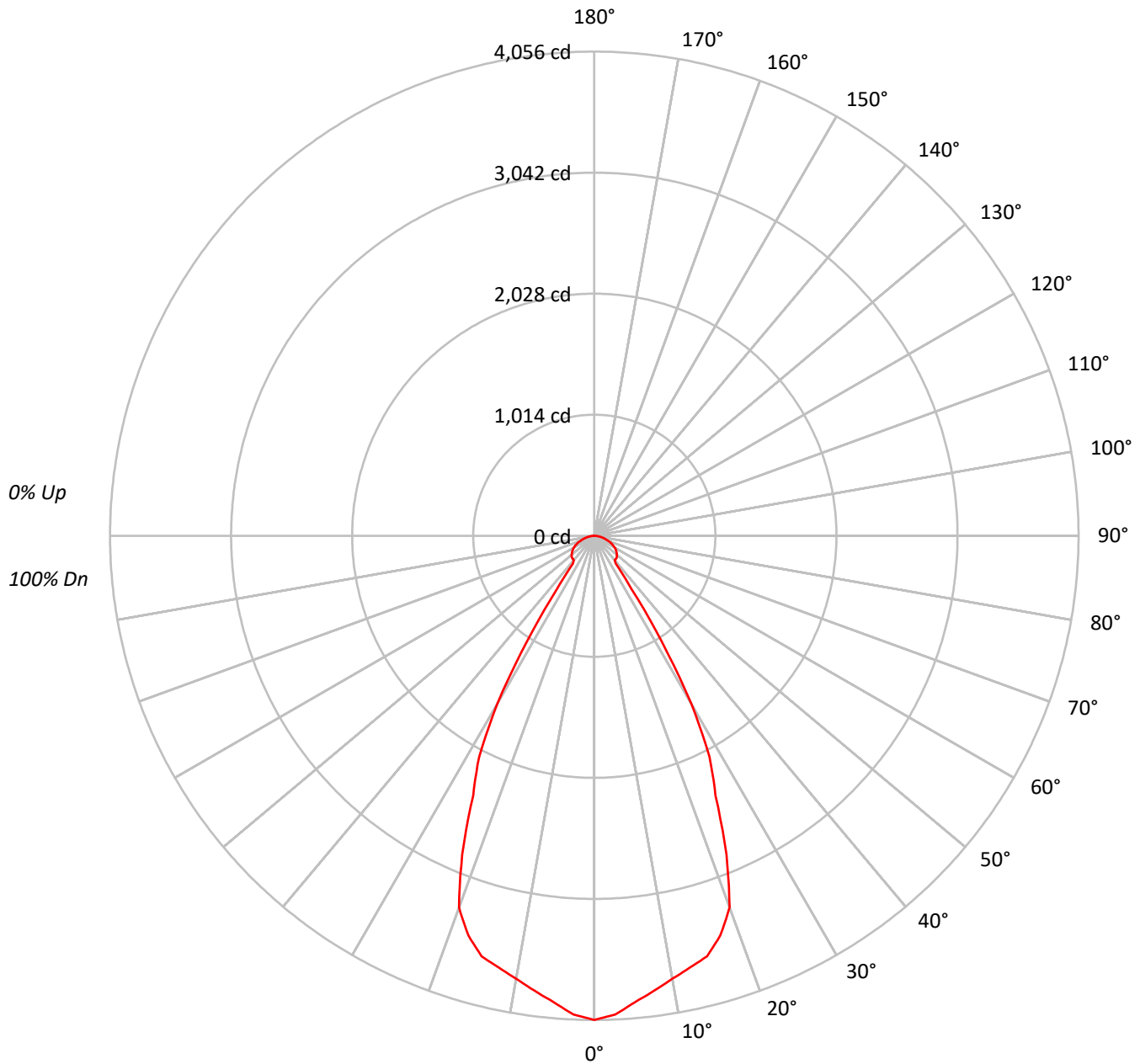


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	443194
5°	430026
10°	418034
15°	412553
20°	385235
25°	289407
30°	204587
35°	72467
40°	38111
45°	40592
50°	42036
55°	42822
60°	43092
65°	42167
70°	39804
75°	36854
80°	32719
85°	26577

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 60°

Luminance: 43092 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.8	10.3
10°-20°	1014.4	28.1
20°-30°	1117.2	31.0
30°-40°	426.9	11.8
40°-50°	201.6	5.6
50°-60°	200.4	5.6
60°-70°	160.4	4.4
70°-80°	92.2	2.6
80°-90°	25.1	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°	2501.4	69.3
0°-40°	2928.2	81.2
0°-60°	3330.2	92.3
0°-90°	3607.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3607.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4056	
5°	3921	370
15°	3647	1014
25°	2401	1117
35°	543	427
45°	263	202
55°	225	200
65°	163	160
75°	87	92
85°	21	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4056.3
2.5°	4013.9
5°	3920.8
7.5°	3843.0
10°	3767.9
12.5°	3704.3
15°	3647.2
17.5°	3509.1
20°	3313.2
22.5°	2890.6
25°	2400.6
27.5°	2089.8
30°	1621.6
32.5°	1047.5
35°	543.3
37.5°	293.5
40°	267.2
42.5°	265.2
45°	262.7
47.5°	256.9
50°	247.3
52.5°	236.3
55°	224.8
57.5°	211.9
60°	197.2
62.5°	180.5
65°	163.1
67.5°	143.9
70°	124.6
72.5°	105.3
75°	87.3
77.5°	68.7
80°	52.0
82.5°	36.6
85°	21.2
87.5°	8.3
90°	0.0



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— 0°-180°







(END OF REPORT)