

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: P753484

Luminaire Tested: LD4D75BD010-EU4DR6070959030-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753484
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR6070959030-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7548.8 lumens
Efficiency: N/A
Efficacy: 104.3 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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

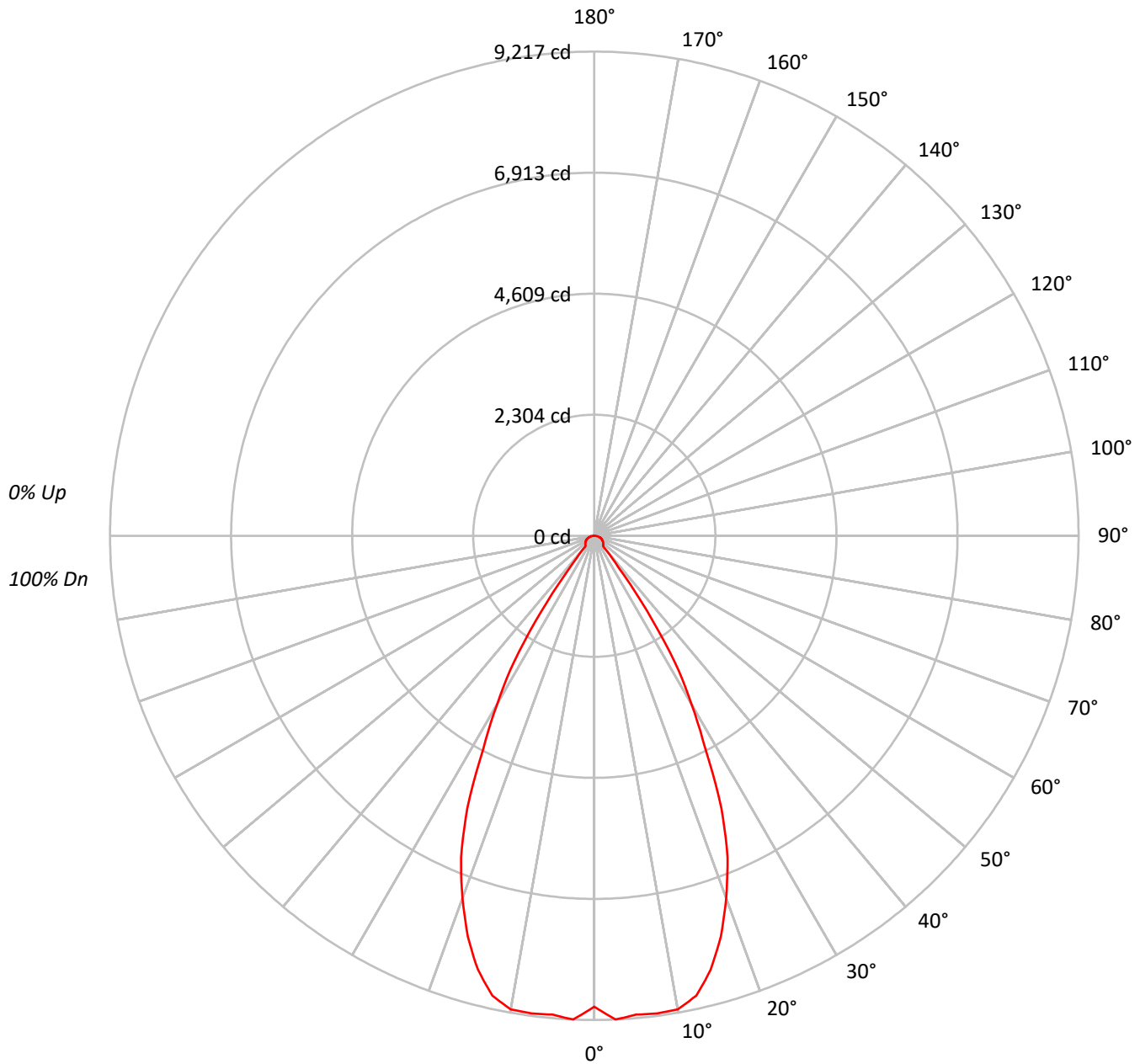


Downlight

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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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	979555
5°	1003642
10°	1015769
15°	967654
20°	853175
25°	690074
30°	466780
35°	233900
40°	37940
45°	37131
50°	37871
55°	38441
60°	39509
65°	40409
70°	41370
75°	41877
80°	40395
85°	33597

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 41877 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	874.6	11.6
10°-20°	2366.3	31.3
20°-30°	2545.9	33.7
30°-40°	1106.6	14.7
40°-50°	185.9	2.5
50°-60°	180.7	2.4
60°-70°	154.6	2.0
70°-80°	103.4	1.4
80°-90°	30.9	0.4
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°	5786.7	76.7
0°-40°	6893.4	91.3
0°-60°	7259.9	96.2
0°-90°	7548.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7548.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8965	
5°	9151	875
15°	8555	2366
25°	5724	2546
35°	1754	1107
45°	240	186
55°	202	181
65°	156	155
75°	99	103
85°	27	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8965.3
2.5°	9217.3
5°	9150.8
7.5°	9171.8
10°	9155.5
12.5°	8966.5
15°	8554.6
17.5°	8001.6
20°	7337.7
22.5°	6627.1
25°	5724.1
27.5°	4578.3
30°	3699.8
32.5°	2851.5
35°	1753.6
37.5°	750.2
40°	266.0
42.5°	245.0
45°	240.3
47.5°	232.2
50°	222.8
52.5°	212.3
55°	201.8
57.5°	191.3
60°	180.8
62.5°	169.2
65°	156.3
67.5°	143.5
70°	129.5
72.5°	114.3
75°	99.2
77.5°	81.7
80°	64.2
82.5°	45.5
85°	26.8
87.5°	9.3
90°	0.0



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— 0°-180°







(END OF REPORT)