

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: P753522

Luminaire Tested: LD4D75BD010-EU4DR6070959050-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753522
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-EU4DR6070959050-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7659.1 lumens
Efficiency: N/A
Efficacy: 105.8 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

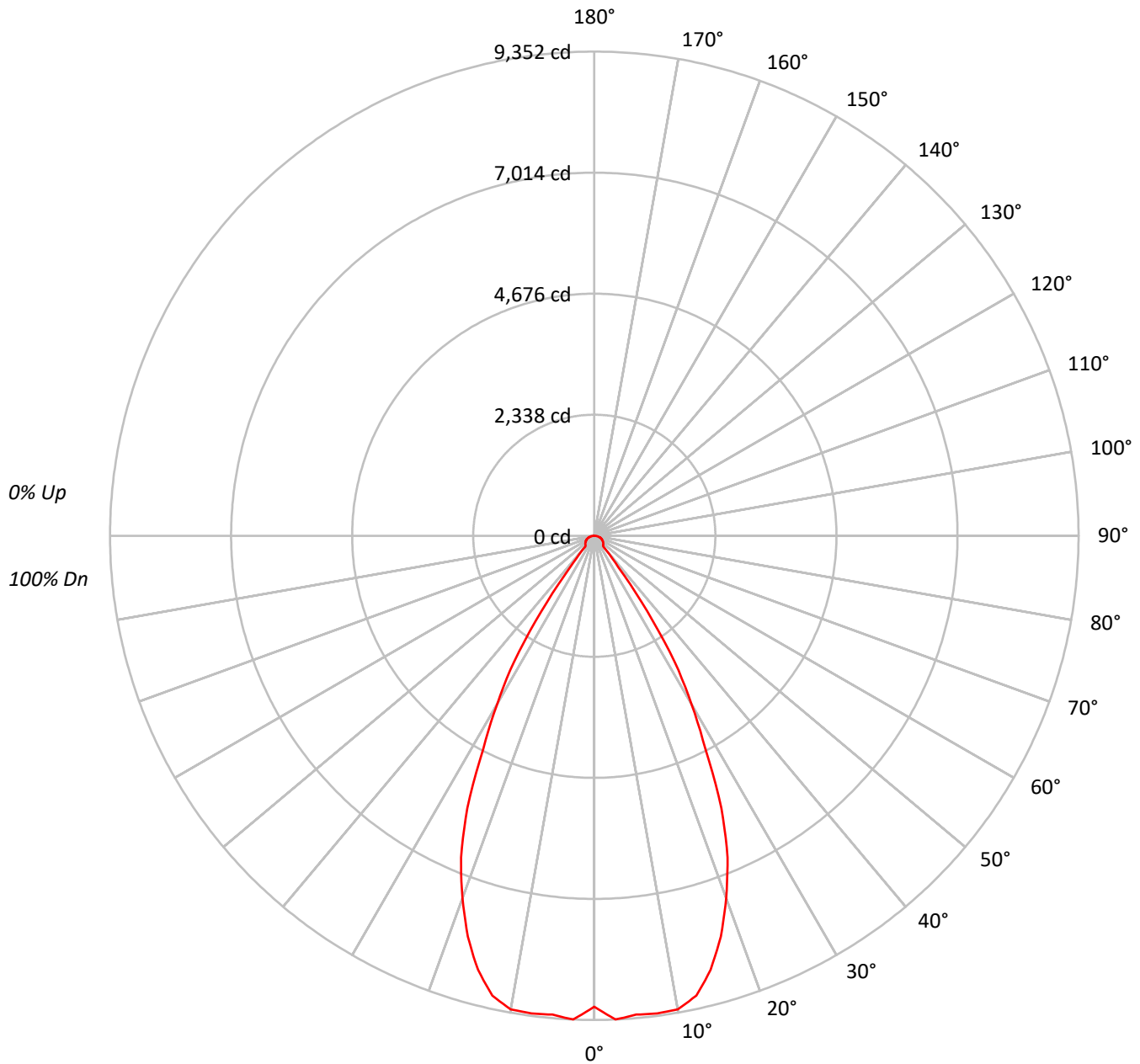


Downlight

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	108	105		111	108	106	104		104	102	100		100	99	97		97	96	95
2	107	102	98	95		105	101	97	94		97	94	92		94	92	90		92	90	88
3	102	96	90	86		100	94	89	86		91	88	84		89	86	83		87	84	82
4	97	89	84	80		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	84	78	74		91	83	78	74		81	77	73		80	76	72		78	75	72
6	88	79	73	69		87	78	73	69		77	72	68		75	71	68		74	70	67
7	84	75	69	65		83	74	68	64		73	68	64		72	67	64		71	67	63
8	80	71	65	61		79	70	65	61		69	64	60		68	64	60		67	63	60
9	77	67	61	57		75	67	61	57		66	61	57		65	60	57		64	60	57
10	73	64	58	54		72	63	58	54		62	58	54		62	57	54		61	57	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	993858
5°	1018295
10°	1030602
15°	981782
20°	865628
25°	700153
30°	473592
35°	237315
40°	38496
45°	37687
50°	38432
55°	39012
60°	40099
65°	41003
70°	41977
75°	42468
80°	40961
85°	34099

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 42468 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	887.4	11.6
10°-20°	2400.8	31.3
20°-30°	2583.1	33.7
30°-40°	1122.8	14.7
40°-50°	188.6	2.5
50°-60°	183.4	2.4
60°-70°	156.8	2.0
70°-80°	104.9	1.4
80°-90°	31.4	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°	5871.2	76.7
0°-40°	6994.0	91.3
0°-60°	7366.0	96.2
0°-90°	7659.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7659.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9096	
5°	9284	887
15°	8680	2401
25°	5808	2583
35°	1779	1123
45°	244	189
55°	205	183
65°	159	157
75°	101	105
85°	27	31
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9096.2
2.5°	9351.9
5°	9284.4
7.5°	9305.7
10°	9289.2
12.5°	9097.4
15°	8679.5
17.5°	8118.4
20°	7444.8
22.5°	6723.9
25°	5807.7
27.5°	4645.2
30°	3753.8
32.5°	2893.2
35°	1779.2
37.5°	761.2
40°	269.9
42.5°	248.6
45°	243.9
47.5°	235.6
50°	226.1
52.5°	215.4
55°	204.8
57.5°	194.1
60°	183.5
62.5°	171.6
65°	158.6
67.5°	145.6
70°	131.4
72.5°	116.0
75°	100.6
77.5°	82.9
80°	65.1
82.5°	46.2
85°	27.2
87.5°	9.5
90°	0.0



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— 0°-180°







(END OF REPORT)