

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: P753482

Luminaire Tested: LD4D75BD010-EU4DR6070959030-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753482
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-EU4DR6070959030-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5661.5 lumens
Efficiency: N/A
Efficacy: 78.2 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

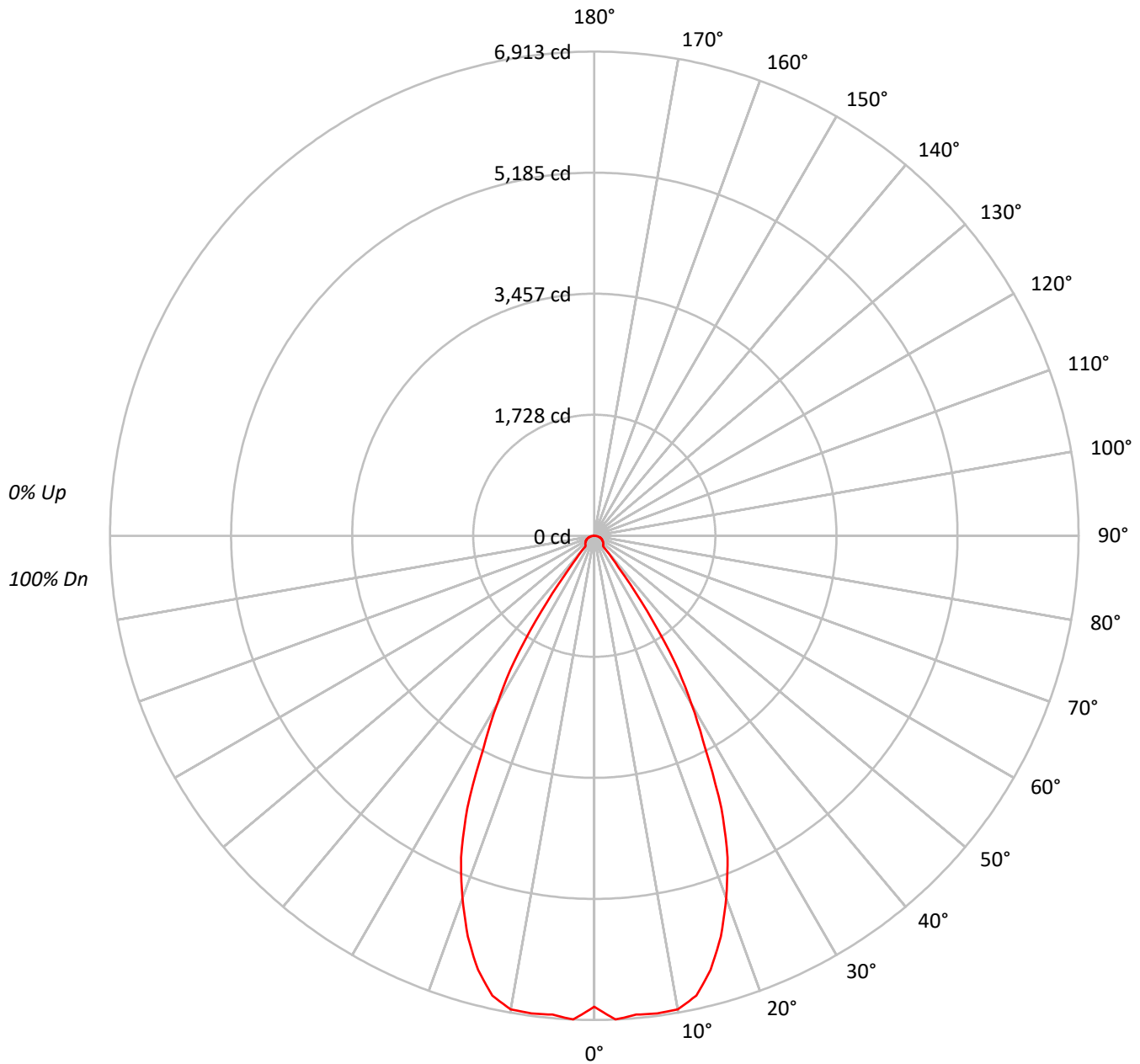


Downlight

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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°	734637
5°	752710
10°	761802
15°	725712
20°	639861
25°	517534
30°	350066
35°	175425
40°	28455
45°	27860
50°	28404
55°	28840
60°	29632
65°	30326
70°	31019
75°	31408
80°	30265
85°	25198

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 31408 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	655.9	11.6
10°-20°	1774.6	31.3
20°-30°	1909.4	33.7
30°-40°	830.0	14.7
40°-50°	139.4	2.5
50°-60°	135.5	2.4
60°-70°	115.9	2.0
70°-80°	77.6	1.4
80°-90°	23.2	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°	4339.9	76.7
0°-40°	5169.9	91.3
0°-60°	5444.8	96.2
0°-90°	5661.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5661.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6724	
5°	6863	656
15°	6416	1775
25°	4293	1909
35°	1315	830
45°	180	139
55°	151	136
65°	117	116
75°	74	78
85°	20	23
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6723.7
2.5°	6912.8
5°	6862.9
7.5°	6878.6
10°	6866.4
12.5°	6724.6
15°	6415.7
17.5°	6001.0
20°	5503.1
22.5°	4970.2
25°	4292.9
27.5°	3433.6
30°	2774.7
32.5°	2138.6
35°	1315.2
37.5°	562.6
40°	199.5
42.5°	183.8
45°	180.3
47.5°	174.1
50°	167.1
52.5°	159.3
55°	151.4
57.5°	143.5
60°	135.6
62.5°	126.9
65°	117.3
67.5°	107.6
70°	97.1
72.5°	85.8
75°	74.4
77.5°	61.3
80°	48.1
82.5°	34.1
85°	20.1
87.5°	7.0
90°	0.0



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— 0°-180°







(END OF REPORT)