

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: P753521

Luminaire Tested: LD4D75BD010-EU4DR6070959050-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753521
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-EU4DR6070959050-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6031.5 lumens
Efficiency: N/A
Efficacy: 83.3 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

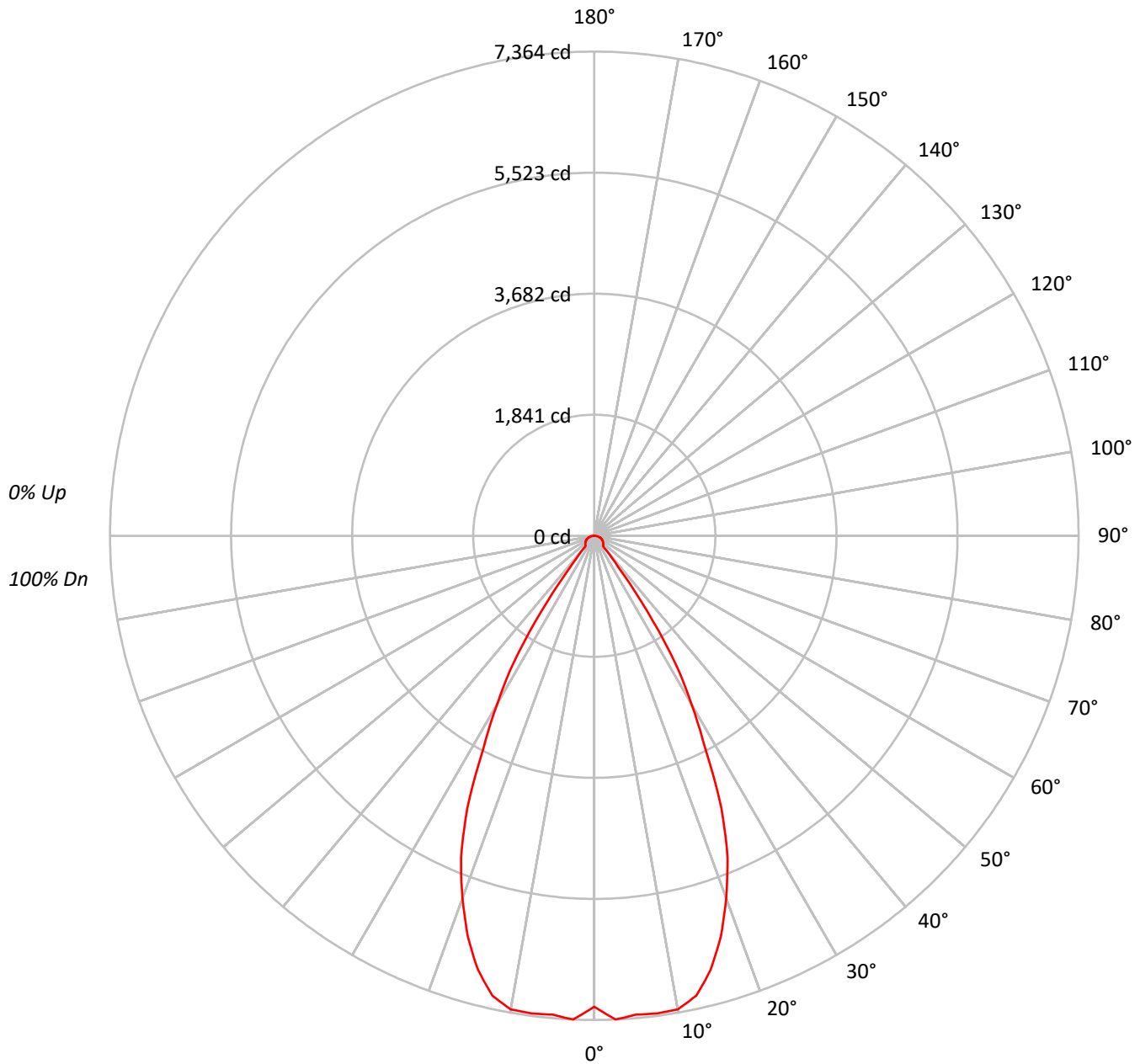


Downlight

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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	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°	782635
5°	801890
10°	811572
15°	773130
20°	681661
25°	551350
30°	372939
35°	186883
40°	30309
45°	29667
50°	30273
55°	30726
60°	31576
65°	32291
70°	33064
75°	33434
80°	32278
85°	26828

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 33434 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	698.8	11.6
10°-20°	1890.6	31.3
20°-30°	2034.1	33.7
30°-40°	884.2	14.7
40°-50°	148.5	2.5
50°-60°	144.4	2.4
60°-70°	123.5	2.0
70°-80°	82.7	1.4
80°-90°	24.7	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°	4623.4	76.7
0°-40°	5507.6	91.3
0°-60°	5800.6	96.2
0°-90°	6031.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6031.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7163	
5°	7311	699
15°	6835	1891
25°	4573	2034
35°	1401	884
45°	192	149
55°	161	144
65°	125	124
75°	79	83
85°	21	25
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7163.0
2.5°	7364.4
5°	7311.3
7.5°	7328.0
10°	7315.0
12.5°	7164.0
15°	6834.9
17.5°	6393.0
20°	5862.6
22.5°	5294.9
25°	4573.4
27.5°	3658.0
30°	2956.0
32.5°	2278.3
35°	1401.1
37.5°	599.4
40°	212.5
42.5°	195.8
45°	192.0
47.5°	185.5
50°	178.1
52.5°	169.7
55°	161.3
57.5°	152.9
60°	144.5
62.5°	135.2
65°	124.9
67.5°	114.7
70°	103.5
72.5°	91.4
75°	79.2
77.5°	65.3
80°	51.3
82.5°	36.4
85°	21.4
87.5°	7.5
90°	0.0



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— 0°-180°







(END OF REPORT)