

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: P753456

Luminaire Tested: LD4D75BD010-EU4DR6070959024-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P753456
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-EU4DR6070959024-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4851.2 lumens
Efficiency: N/A
Efficacy: 67.0 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

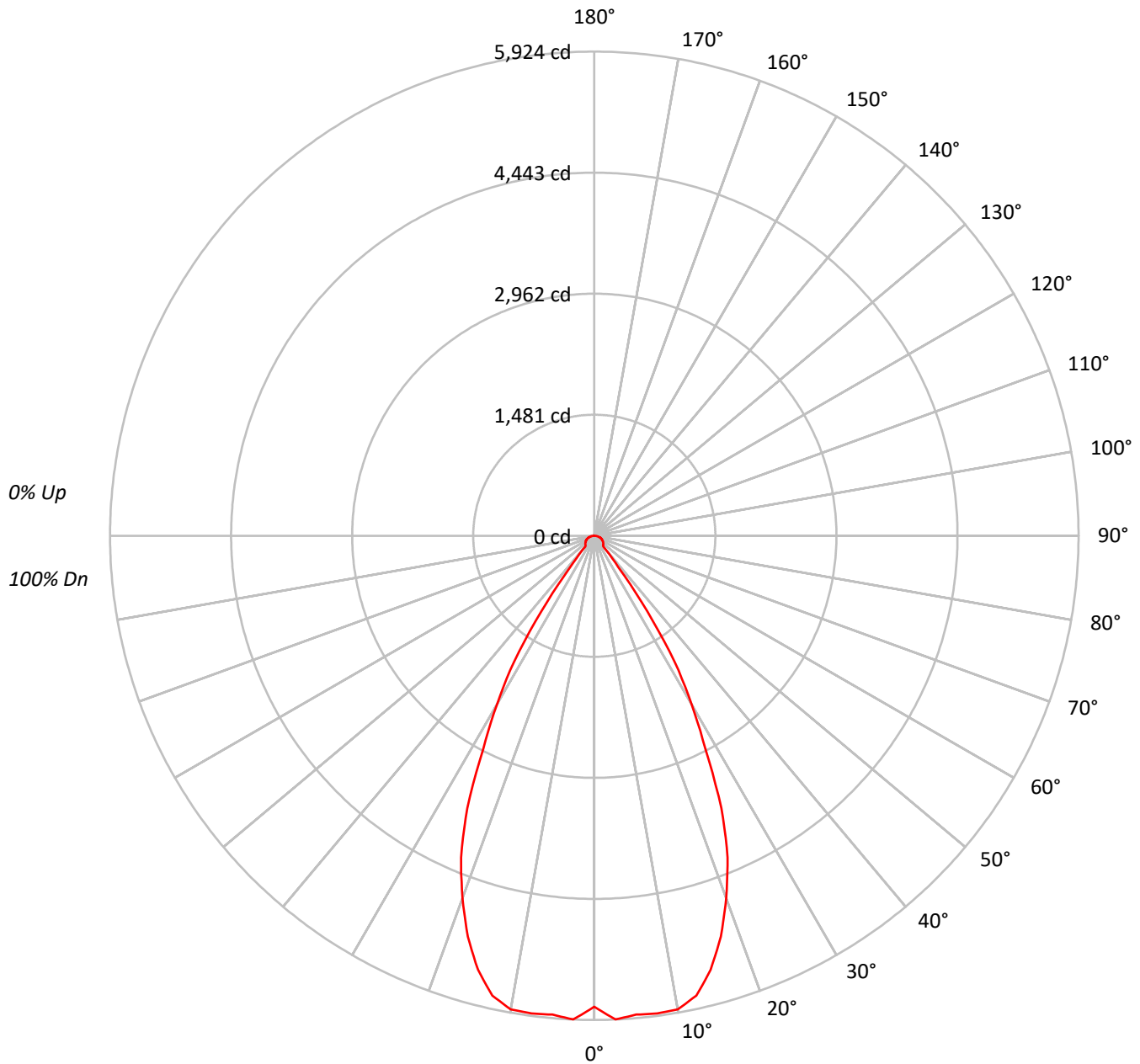


Downlight

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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°	629506
5°	644984
10°	652775
15°	621861
20°	548285
25°	443465
30°	299966
35°	150322
40°	24390
45°	23873
50°	24341
55°	24707
60°	25392
65°	25983
70°	26579
75°	26891
80°	25923
85°	21562

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 26891 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	562.0	11.6
10°-20°	1520.7	31.3
20°-30°	1636.1	33.7
30°-40°	711.2	14.7
40°-50°	119.5	2.5
50°-60°	116.2	2.4
60°-70°	99.3	2.0
70°-80°	66.5	1.4
80°-90°	19.9	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°	3718.8	76.7
0°-40°	4430.0	91.3
0°-60°	4665.6	96.2
0°-90°	4851.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4851.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5762	
5°	5881	562
15°	5498	1521
25°	3678	1636
35°	1127	711
45°	154	119
55°	130	116
65°	100	99
75°	64	66
85°	17	20
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5761.5
2.5°	5923.5
5°	5880.7
7.5°	5894.2
10°	5883.7
12.5°	5762.3
15°	5497.6
17.5°	5142.2
20°	4715.5
22.5°	4258.9
25°	3678.5
27.5°	2942.2
30°	2377.6
32.5°	1832.5
35°	1127.0
37.5°	482.1
40°	171.0
42.5°	157.5
45°	154.5
47.5°	149.2
50°	143.2
52.5°	136.5
55°	129.7
57.5°	123.0
60°	116.2
62.5°	108.7
65°	100.5
67.5°	92.2
70°	83.2
72.5°	73.5
75°	63.7
77.5°	52.5
80°	41.2
82.5°	29.2
85°	17.2
87.5°	6.0
90°	0.0



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— 0°-180°







(END OF REPORT)