

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: P753131

Luminaire Tested: LD4D75BD010-EU4DR3570959050-4LBDP1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P753131
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D75BD010-EU4DR3570959050-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6314.4 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
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

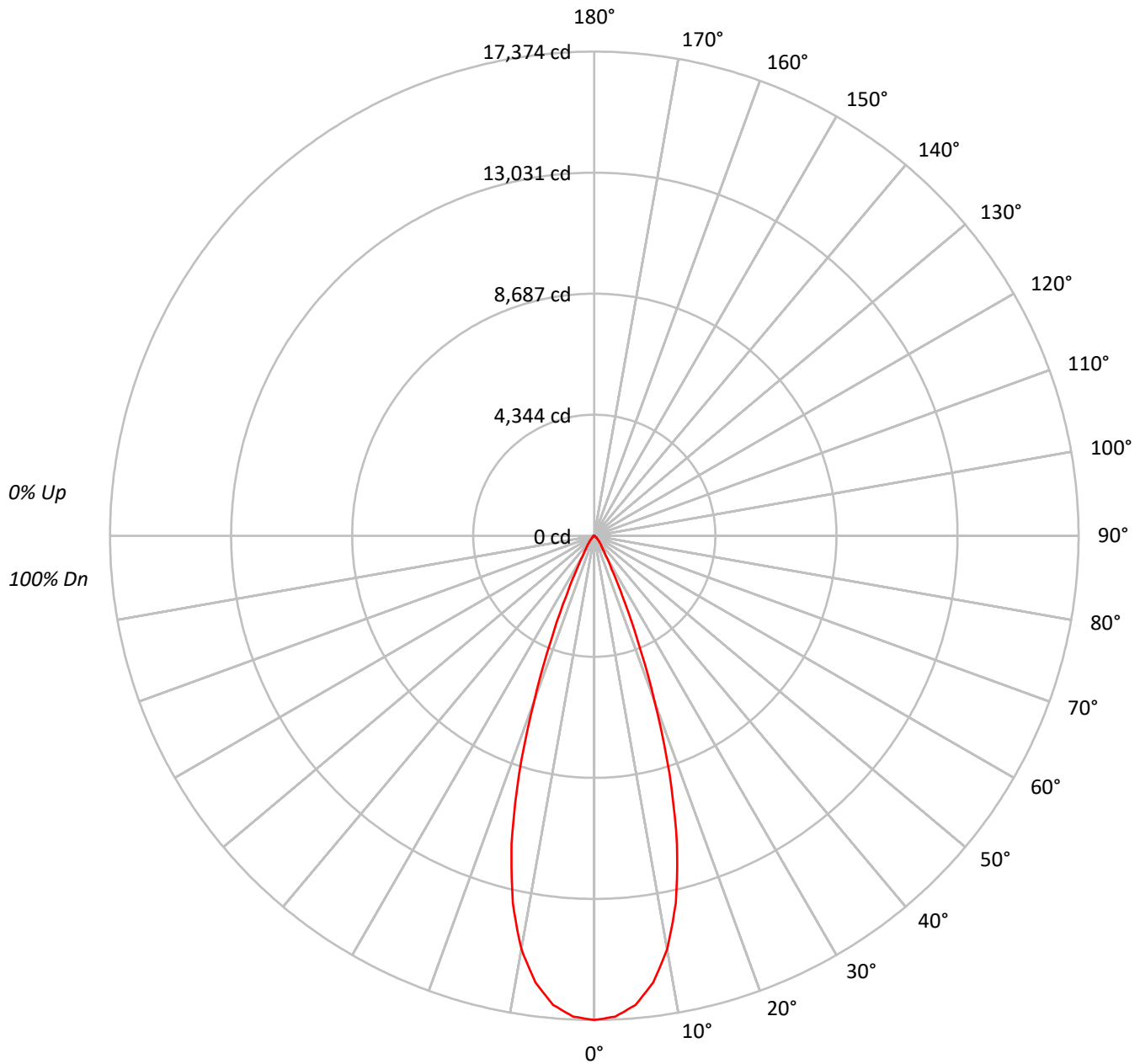


Downlight

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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	115	112	110	108	112	110	108	107	106	105	103		103	101	100		99
2	110	106	103	101	108	105	102	99	102	99	97		99	97	95		96
3	106	101	97	94	105	100	96	93	97	95	92		95	93	91		93
4	103	97	92	89	101	96	92	89	94	90	88		92	89	87		90
5	99	93	88	85	98	92	87	84	90	86	84		89	85	83		87
6	96	89	84	81	94	88	84	81	87	83	80		85	82	80		84
7	93	85	81	78	91	85	80	77	84	80	77		83	79	77		82
8	90	82	78	74	88	82	77	74	81	77	74		80	76	74		79
9	87	79	75	72	86	79	75	72	78	74	71		77	74	71		77
10	84	77	72	69	83	76	72	69	76	72	69		75	71	69		74

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1898296
5°	1853692
10°	1670673
15°	1296706
20°	735472
25°	286139
30°	106747
35°	58515
40°	38239
45°	23286
50°	14822
55°	10477
60°	7670
65°	4162
70°	288
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23286 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1554.4	24.6
10°-20°	3034.9	48.1
20°-30°	1237.7	19.6
30°-40°	296.2	4.7
40°-50°	123.5	2.0
50°-60°	51.1	0.8
60°-70°	16.0	0.3
70°-80°	0.4	0.0
80°-90°	0.2	0.0
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°	5827.0	92.3
0°-40°	6123.2	97.0
0°-60°	6297.8	99.7
0°-90°	6314.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6314.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17374	
5°	16901	###
15°	11464	3035
25°	2374	1238
35°	439	296
45°	151	123
55°	55	51
65°	16	16
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	17374.0
2.5°	17269.8
5°	16901.2
7.5°	16166.0
10°	15058.4
12.5°	13498.8
15°	11463.6
17.5°	8974.6
20°	6325.4
22.5°	4033.4
25°	2373.5
27.5°	1341.6
30°	846.1
32.5°	594.1
35°	438.7
37.5°	339.2
40°	268.1
42.5°	206.6
45°	150.7
47.5°	112.8
50°	87.2
52.5°	69.2
55°	55.0
57.5°	44.5
60°	35.1
62.5°	25.6
65°	16.1
67.5°	5.7
70°	0.9
72.5°	0.9
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.9
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)