

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: P752366

Luminaire Tested: LD4D70BD010-EU4DR4070959024-4LBDP1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P752366
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D70BD010-EU4DR4070959024-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6371.0 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 66.6
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

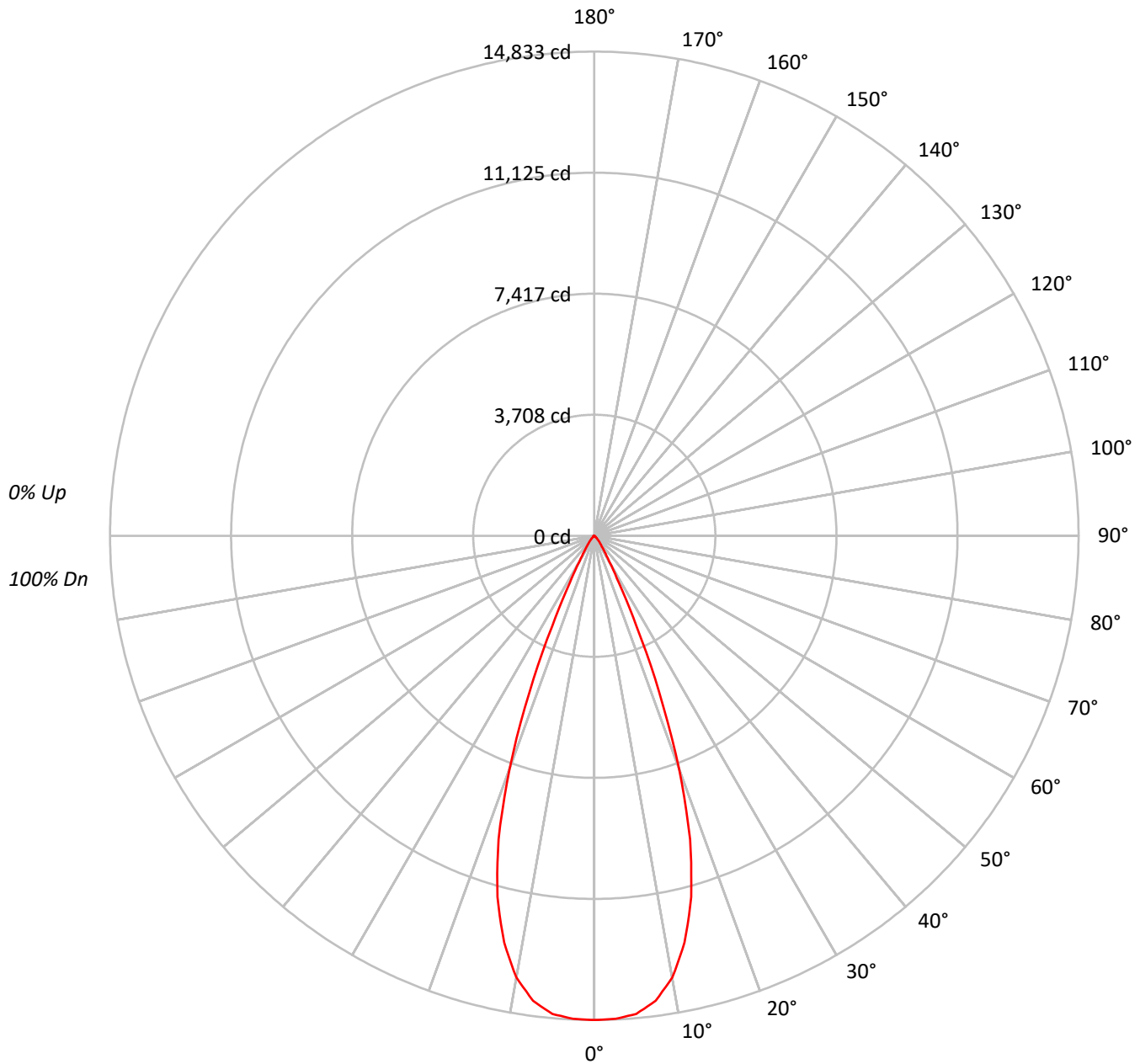


Downlight

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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	115	112	110	108		112	110	108	107		106	105	103		103	101	100		99	98	97
2	110	106	103	100		108	105	102	99		102	99	97		99	97	95		96	95	93
3	106	101	97	94		104	100	96	93		97	94	92		95	93	90		93	91	89
4	102	97	92	89		101	95	91	88		93	90	87		92	89	86		90	87	85
5	99	92	88	84		97	91	87	84		90	86	83		88	85	83		87	84	82
6	95	88	84	80		94	88	83	80		86	82	80		85	82	79		84	81	79
7	92	85	80	77		91	84	80	77		83	79	76		82	79	76		81	78	76
8	89	82	77	74		88	81	77	74		80	76	73		79	76	73		78	75	73
9	86	79	74	71		85	78	74	71		77	73	71		76	73	70		76	72	70
10	83	76	71	68		82	75	71	68		75	71	68		74	70	68		73	70	68

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1620698
5°	1612828
10°	1524468
15°	1295993
20°	883313
25°	368551
30°	115881
35°	53860
40°	29781
45°	13659
50°	6629
55°	3638
60°	1901
65°	672
70°	288
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13659 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1373.1	21.6
10°-20°	3076.1	48.3
20°-30°	1539.8	24.2
30°-40°	282.3	4.4
40°-50°	77.9	1.2
50°-60°	18.3	0.3
60°-70°	3.5	0.1
70°-80°	0.1	0.0
80°-90°	0.0	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°	5988.9	94.0
0°-40°	6271.2	98.4
0°-60°	6367.4	99.9
0°-90°	6371.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6371.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14833	
5°	14705	###
15°	11457	3076
25°	3057	1540
35°	404	282
45°	88	78
55°	19	18
65°	3	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	14833.3
2.5°	14811.6
5°	14705.1
7.5°	14365.4
10°	13740.6
12.5°	12766.6
15°	11457.3
17.5°	9754.6
20°	7596.9
22.5°	5179.3
25°	3057.1
27.5°	1616.1
30°	918.5
32.5°	593.6
35°	403.8
37.5°	288.6
40°	208.8
42.5°	143.0
45°	88.4
47.5°	56.3
50°	39.0
52.5°	27.7
55°	19.1
57.5°	12.1
60°	8.7
62.5°	5.2
65°	2.6
67.5°	1.7
70°	0.9
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)