

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: P752794

Luminaire Tested: LD4D70BD010-EU4DR6570959035-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752794
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D70BD010-EU4DR6570959035-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6006.1 lumens
Efficiency: N/A
Efficacy: 90.2 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

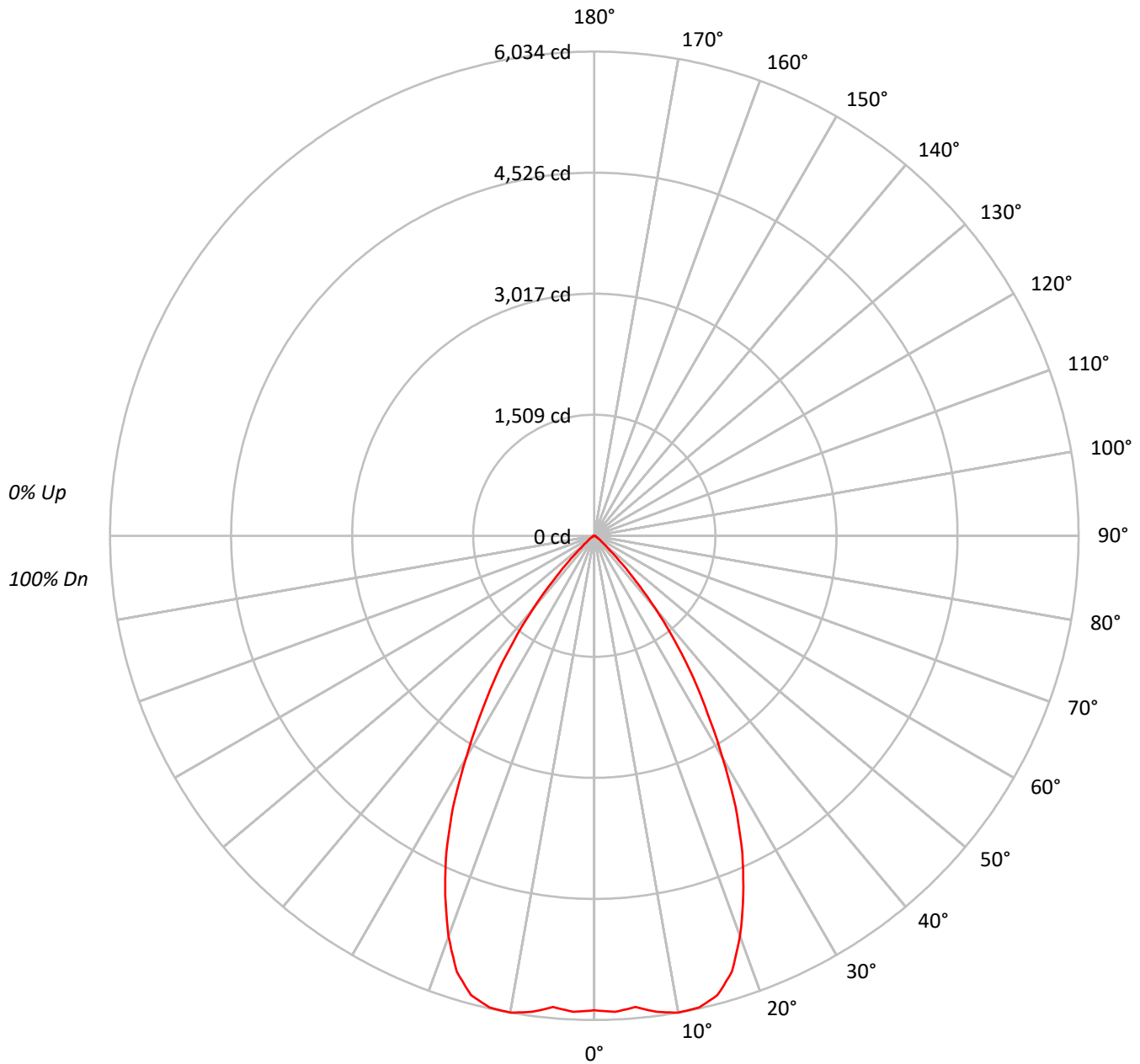


Downlight

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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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	99	95	106	101	97	94	98	95	92		95	92	90		92
3	102	96	91	87	100	94	90	86	92	88	85		89	86	83		87
4	97	89	84	79	95	88	83	79	86	82	78		84	80	77		82
5	92	83	78	73	90	83	77	73	81	76	72		79	75	72		77
6	87	78	72	68	86	77	72	68	76	71	67		74	70	67		73
7	83	73	67	63	81	73	67	63	71	66	62		70	66	62		69
8	79	69	63	59	77	68	63	59	67	62	58		66	62	58		65
9	75	65	59	55	74	65	59	55	64	58	55		63	58	55		62
10	71	61	56	52	70	61	55	52	60	55	51		59	55	51		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	646113
5°	646640
10°	669405
15°	670523
20°	617328
25°	525985
30°	402663
35°	284479
40°	167918
45°	68173
50°	24715
55°	13772
60°	7889
65°	4343
70°	4568
75°	3546
80°	3712
85°	3134

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 68173 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	569.4	9.5
10°-20°	1642.5	27.3
20°-30°	1970.7	32.8
30°-40°	1324.4	22.1
40°-50°	396.5	6.6
50°-60°	70.0	1.2
60°-70°	19.9	0.3
70°-80°	9.8	0.2
80°-90°	3.1	0.1
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°	4182.6	69.6
0°-40°	5507.0	91.7
0°-60°	5973.4	99.5
0°-90°	6006.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6006.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5914	
5°	5896	569
15°	5928	1643
25°	4363	1971
35°	2133	1324
45°	441	396
55°	72	70
65°	17	20
75°	8	10
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5913.5
2.5°	5938.7
5°	5895.8
7.5°	5984.9
10°	6033.6
12.5°	6021.9
15°	5927.8
17.5°	5697.5
20°	5309.3
22.5°	4852.1
25°	4363.0
27.5°	3810.9
30°	3191.6
32.5°	2630.3
35°	2132.8
37.5°	1641.2
40°	1177.3
42.5°	768.9
45°	441.2
47.5°	233.6
50°	145.4
52.5°	100.8
55°	72.3
57.5°	52.1
60°	36.1
62.5°	23.5
65°	16.8
67.5°	15.1
70°	14.3
72.5°	10.9
75°	8.4
77.5°	7.6
80°	5.9
82.5°	4.2
85°	2.5
87.5°	1.7
90°	0.0



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— 0°-180°







(END OF REPORT)