

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: P752722

Luminaire Tested: LD4D70BD010-EU4DR6070959035-4LBS1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P752722
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D70BD010-EU4DR6070959035-4LBS1MW
Description: 4 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6876.4 lumens
Efficiency: N/A
Efficacy: 103.2 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

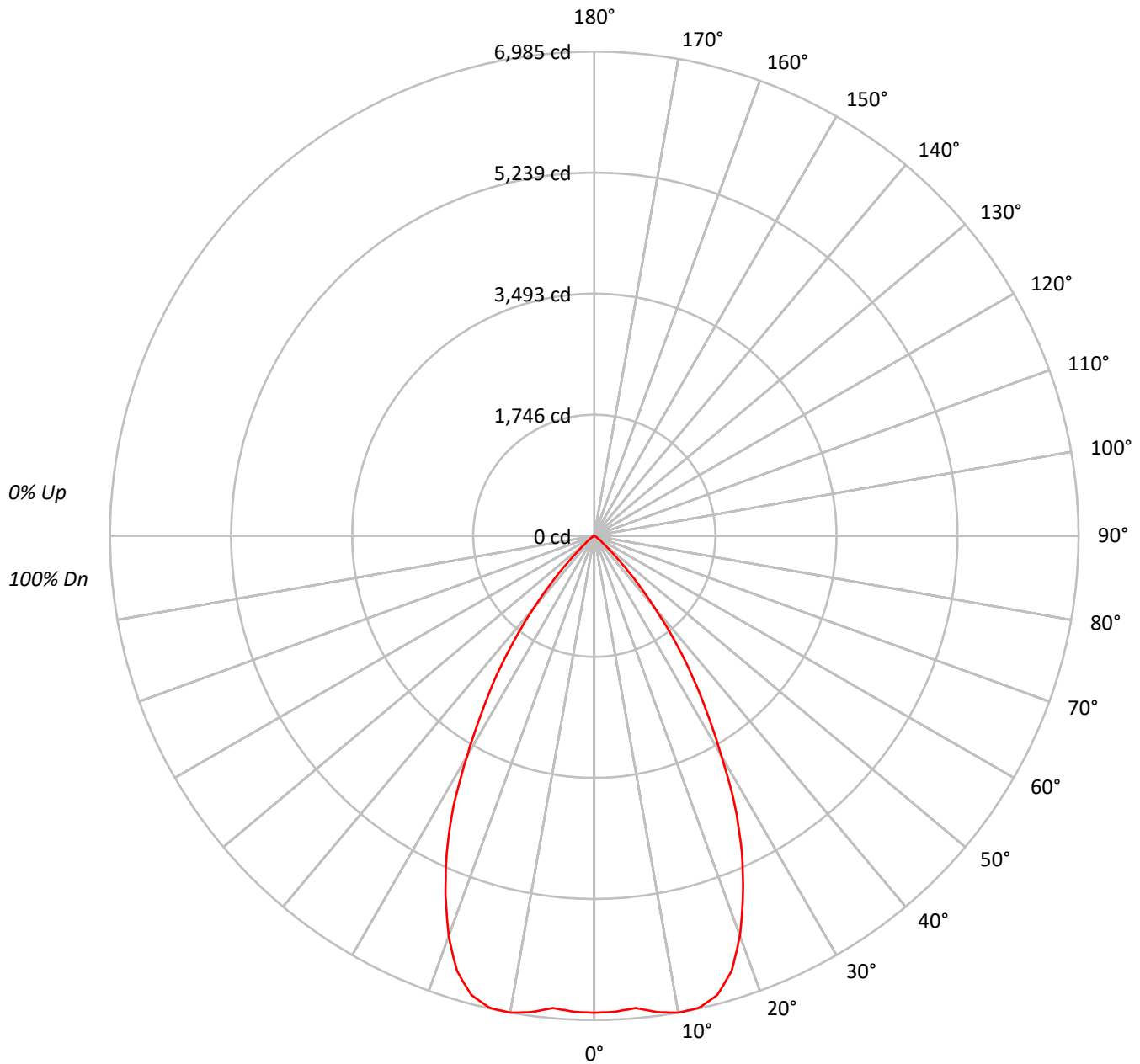


Downlight

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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	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	101	98	95	98	95	92		95	93	90		92
3	102	96	91	87	100	95	90	86	92	88	85		90	86	84		87
4	97	90	84	80	95	88	83	79	86	82	78		84	81	78		82
5	92	84	78	74	91	83	77	73	81	76	73		79	75	72		78
6	87	79	73	68	86	78	72	68	76	71	68		75	70	67		74
7	83	74	68	63	82	73	67	63	72	67	63		71	66	63		69
8	79	69	63	59	78	69	63	59	68	63	59		67	62	59		66
9	75	65	59	55	74	65	59	55	64	59	55		63	58	55		62
10	72	62	56	52	71	61	56	52	61	55	52		60	55	52		59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	751867
5°	750034
10°	774949
15°	775743
20°	713764
25°	607107
30°	462604
35°	327135
40°	192094
45°	77506
50°	25871
55°	12458
60°	5113
65°	750
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 77506 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	659.7	9.6
10°-20°	1899.9	27.6
20°-30°	2273.9	33.1
30°-40°	1520.9	22.1
40°-50°	450.9	6.6
50°-60°	64.8	0.9
60°-70°	6.2	0.1
70°-80°	0.0	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°	4833.5	70.3
0°-40°	6354.4	92.4
0°-60°	6870.2	99.9
0°-90°	6876.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6876.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6881	
5°	6838	660
15°	6858	1900
25°	5036	2274
35°	2453	1521
45°	502	451
55°	65	65
65°	3	6
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6881.4
2.5°	6872.7
5°	6838.5
7.5°	6931.2
10°	6984.9
12.5°	6975.1
15°	6858.0
17.5°	6581.8
20°	6138.7
22.5°	5606.8
25°	5035.9
27.5°	4392.8
30°	3666.7
32.5°	3018.6
35°	2452.6
37.5°	1885.5
40°	1346.8
42.5°	888.1
45°	501.6
47.5°	256.7
50°	152.2
52.5°	98.6
55°	65.4
57.5°	42.0
60°	23.4
62.5°	9.8
65°	2.9
67.5°	1.0
70°	0.0
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)