

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: P752757

Luminaire Tested: LD4D70BD010-EU4DR6570959024-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752757
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-EU4DR6570959024-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4394.1 lumens
Efficiency: N/A
Efficacy: 66.0 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

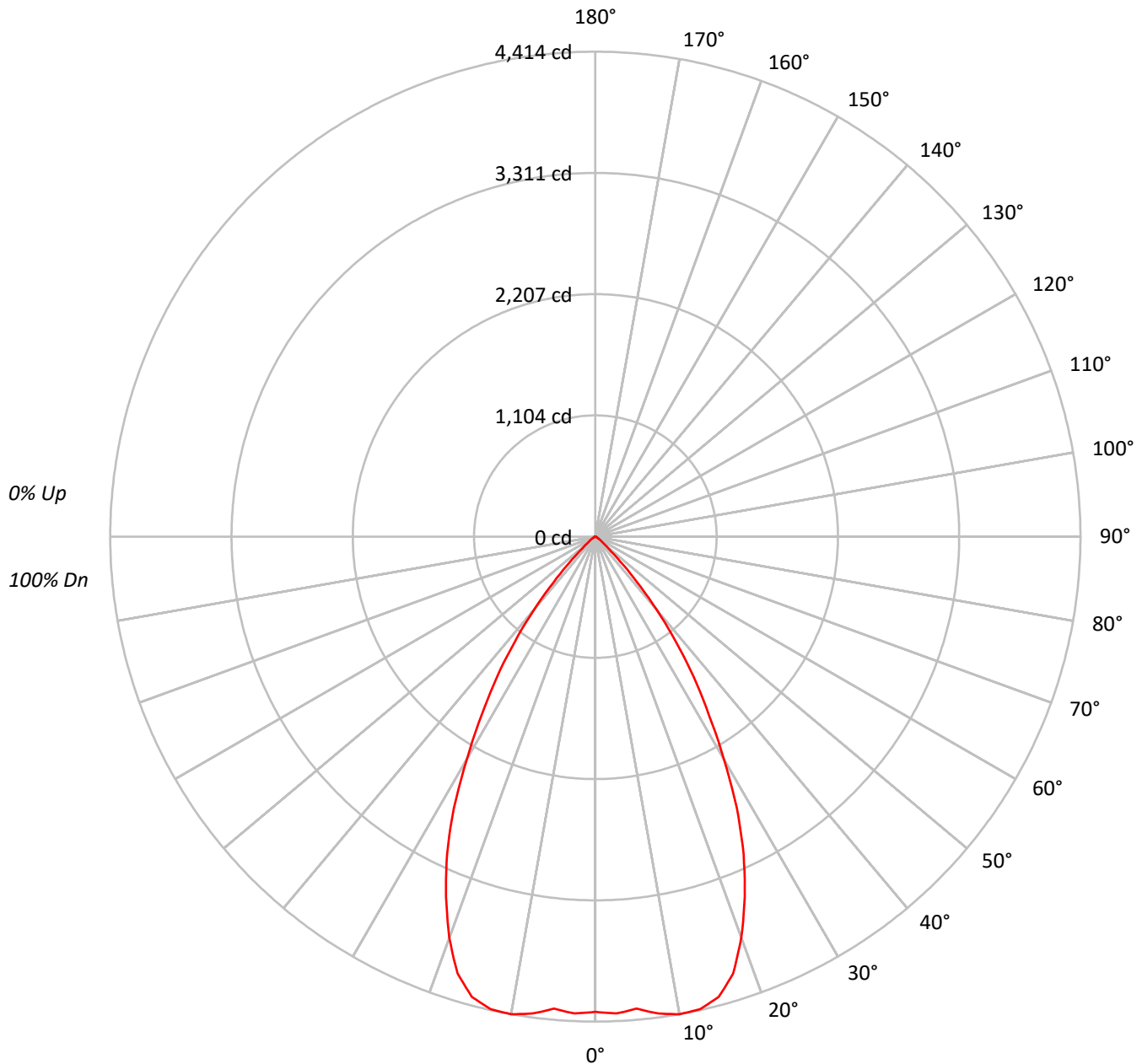


Downlight

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	111	108	106		111	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		106	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	91	87		100	94	90	86		92	88	85		89	86	83		87	84	82
4	97	89	84	79		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	83	78	73		90	83	77	73		81	76	72		79	75	72		77	74	71
6	87	78	72	68		86	77	72	68		76	71	67		74	70	67		73	69	66
7	83	73	67	63		81	73	67	63		71	66	62		70	66	62		69	65	62
8	79	69	63	59		77	68	63	59		67	62	58		66	62	58		65	61	58
9	75	65	59	55		74	65	59	55		64	58	55		63	58	55		62	58	54
10	71	61	56	52		70	61	55	52		60	55	51		59	55	51		59	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	472706
5°	473086
10°	489750
15°	490557
20°	451639
25°	384827
30°	294592
35°	208130
40°	122847
45°	49878
50°	18086
55°	10077
60°	5769
65°	3180
70°	3354
75°	2575
80°	2706
85°	2257

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 49878 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	416.6	9.5
10°-20°	1201.7	27.3
20°-30°	1441.8	32.8
30°-40°	968.9	22.1
40°-50°	290.0	6.6
50°-60°	51.2	1.2
60°-70°	14.6	0.3
70°-80°	7.1	0.2
80°-90°	2.2	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°	3060.1	69.6
0°-40°	4029.0	91.7
0°-60°	4370.2	99.5
0°-90°	4394.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4394.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4326	
5°	4313	417
15°	4337	1202
25°	3192	1442
35°	1560	969
45°	323	290
55°	53	51
65°	12	15
75°	6	7
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4326.4
2.5°	4344.8
5°	4313.4
7.5°	4378.6
10°	4414.3
12.5°	4405.7
15°	4336.8
17.5°	4168.4
20°	3884.3
22.5°	3549.9
25°	3192.1
27.5°	2788.1
30°	2335.0
32.5°	1924.3
35°	1560.4
37.5°	1200.7
40°	861.3
42.5°	562.5
45°	322.8
47.5°	170.9
50°	106.4
52.5°	73.8
55°	52.9
57.5°	38.1
60°	26.4
62.5°	17.2
65°	12.3
67.5°	11.1
70°	10.5
72.5°	8.0
75°	6.1
77.5°	5.5
80°	4.3
82.5°	3.1
85°	1.8
87.5°	1.2
90°	0.0



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— 0°-180°







(END OF REPORT)