

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: P756709

Luminaire Tested: LD4D95BD010-EU4DR6570959040-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756709
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: LD4D95BD010-EU4DR6570959040-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7040.2 lumens
Efficiency: N/A
Efficacy: 71.0 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): 99.2
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

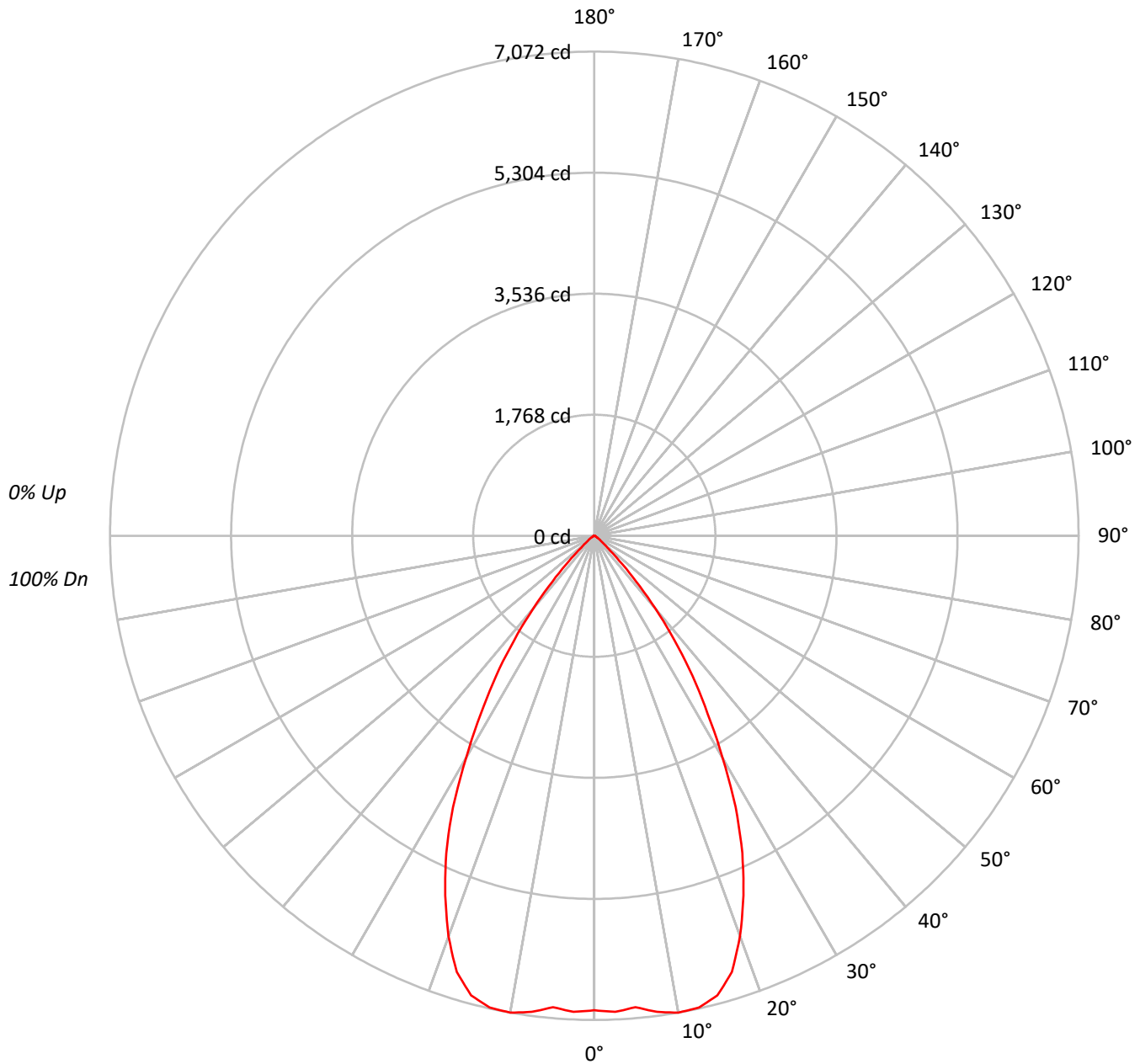


Downlight

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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				0			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																								
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93						
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87						
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80						
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75						
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69						
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65						
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60						
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57						
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53						
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	757352
5°	757974
10°	784656
15°	785957
20°	723601
25°	616547
30°	471990
35°	333457
40°	196829
45°	79901
50°	28965
55°	16135
60°	9265
65°	5093
70°	5335
75°	4179
80°	4342
85°	3761

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 79901 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	667.4	9.5
10°-20°	1925.3	27.3
20°-30°	2310.0	32.8
30°-40°	1552.4	22.1
40°-50°	464.7	6.6
50°-60°	82.0	1.2
60°-70°	23.3	0.3
70°-80°	11.4	0.2
80°-90°	3.6	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°	4902.7	69.6
0°-40°	6455.1	91.7
0°-60°	7001.8	99.5
0°-90°	7040.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7040.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6932	
5°	6911	667
15°	6948	1925
25°	5114	2310
35°	2500	1552
45°	517	465
55°	85	82
65°	20	23
75°	10	11
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6931.6
2.5°	6961.1
5°	6910.9
7.5°	7015.3
10°	7072.4
12.5°	7058.6
15°	6948.3
17.5°	6678.4
20°	6223.3
22.5°	5687.5
25°	5114.2
27.5°	4467.0
30°	3741.1
32.5°	3083.1
35°	2500.0
37.5°	1923.7
40°	1380.0
42.5°	901.3
45°	517.1
47.5°	273.8
50°	170.4
52.5°	118.2
55°	84.7
57.5°	61.1
60°	42.4
62.5°	27.6
65°	19.7
67.5°	17.7
70°	16.7
72.5°	12.8
75°	9.9
77.5°	8.9
80°	6.9
82.5°	4.9
85°	3.0
87.5°	2.0
90°	0.0



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— 0°-180°







(END OF REPORT)