

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: P756800

Luminaire Tested: LD4D95BD010-EU4DR7070959050-4LBDP1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756800
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR7070959050-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7394.6 lumens
Efficiency: N/A
Efficacy: 74.5 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

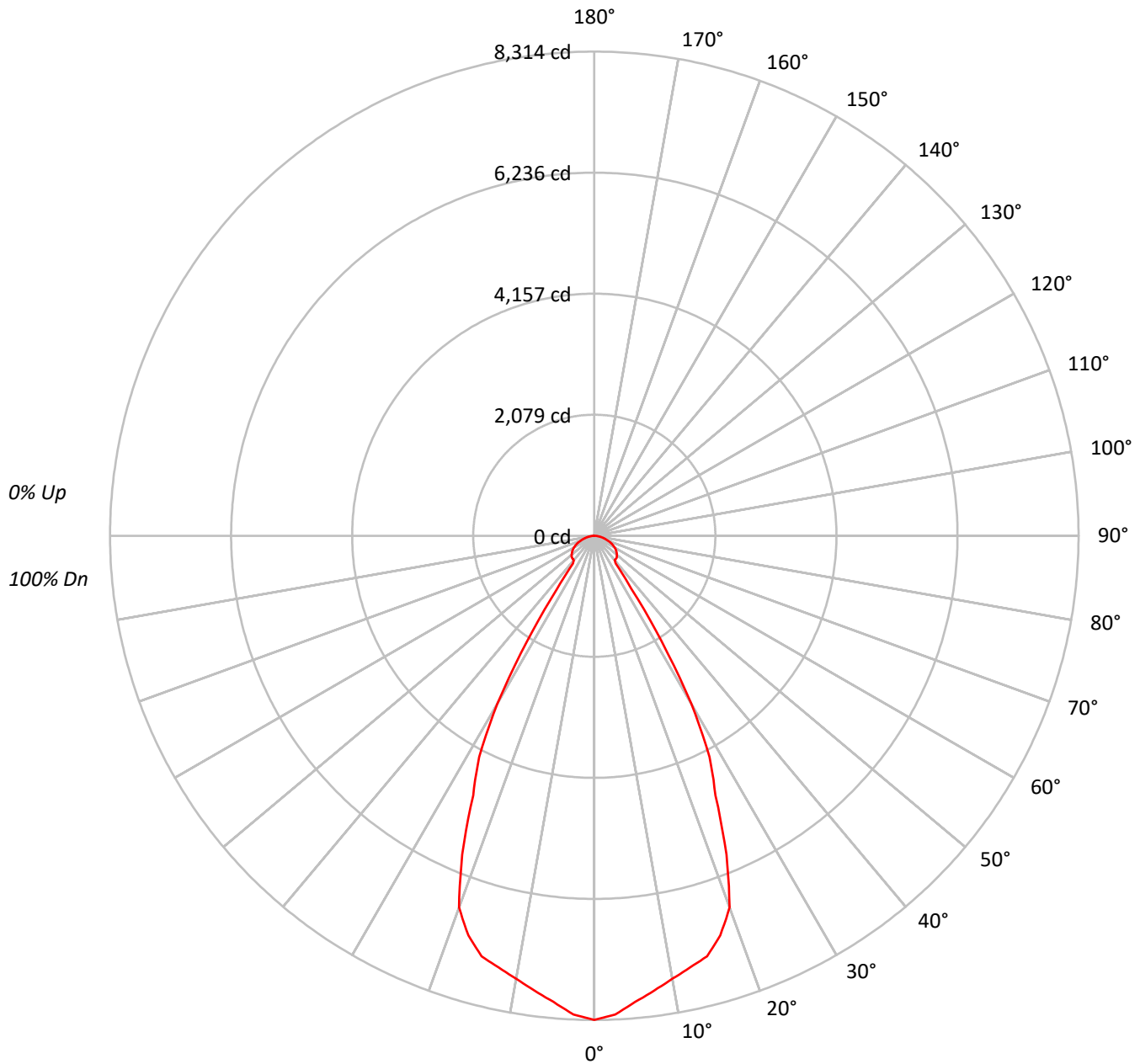


Downlight

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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
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	112	109	106	103	110	107	104	102	103	101	99		99	97	96		95
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83
4	94	86	80	75	92	85	79	74	82	77	73		80	76	73		78
5	89	80	74	69	87	79	73	69	77	72	68		75	71	67		74
6	85	75	68	64	83	74	68	64	73	67	63		71	66	63		70
7	80	70	64	59	79	70	64	59	68	63	59		67	62	59		66
8	77	66	60	56	75	66	60	56	65	59	55		64	59	55		63
9	73	63	57	52	72	62	56	52	61	56	52		60	55	52		60
10	70	59	53	49	69	59	53	49	58	53	49		57	52	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	908350
5°	881362
10°	856794
15°	845558
20°	789574
25°	593171
30°	419317
35°	148535
40°	78104
45°	83193
50°	86146
55°	87759
60°	88305
65°	86428
70°	81589
75°	75565
80°	67074
85°	54407

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 88336 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	758.0	10.3
10°-20°	2079.1	28.1
20°-30°	2289.8	31.0
30°-40°	874.9	11.8
40°-50°	413.1	5.6
50°-60°	410.7	5.6
60°-70°	328.8	4.4
70°-80°	189.0	2.6
80°-90°	51.4	0.7
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°	5126.8	69.3
0°-40°	6001.7	81.2
0°-60°	6825.5	92.3
0°-90°	7394.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7394.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8314	
5°	8036	758
15°	7475	2079
25°	4920	2290
35°	1114	875
45°	538	413
55°	461	411
65°	334	329
75°	179	189
85°	43	51
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8313.6
2.5°	8226.8
5°	8035.9
7.5°	7876.6
10°	7722.6
12.5°	7592.3
15°	7475.2
17.5°	7192.2
20°	6790.7
22.5°	5924.6
25°	4920.3
27.5°	4283.2
30°	3323.6
32.5°	2146.9
35°	1113.6
37.5°	601.5
40°	547.6
42.5°	543.6
45°	538.4
47.5°	526.5
50°	506.8
52.5°	484.4
55°	460.7
57.5°	434.4
60°	404.1
62.5°	369.9
65°	334.3
67.5°	294.8
70°	255.4
72.5°	215.9
75°	179.0
77.5°	140.8
80°	106.6
82.5°	75.0
85°	43.4
87.5°	17.1
90°	0.0



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— 0°-180°







(END OF REPORT)