

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: P756797

Luminaire Tested: LD4D95BD010-EU4DR7070959050-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756797
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-EU4DR7070959050-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5508.1 lumens
Efficiency: N/A
Efficacy: 55.5 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

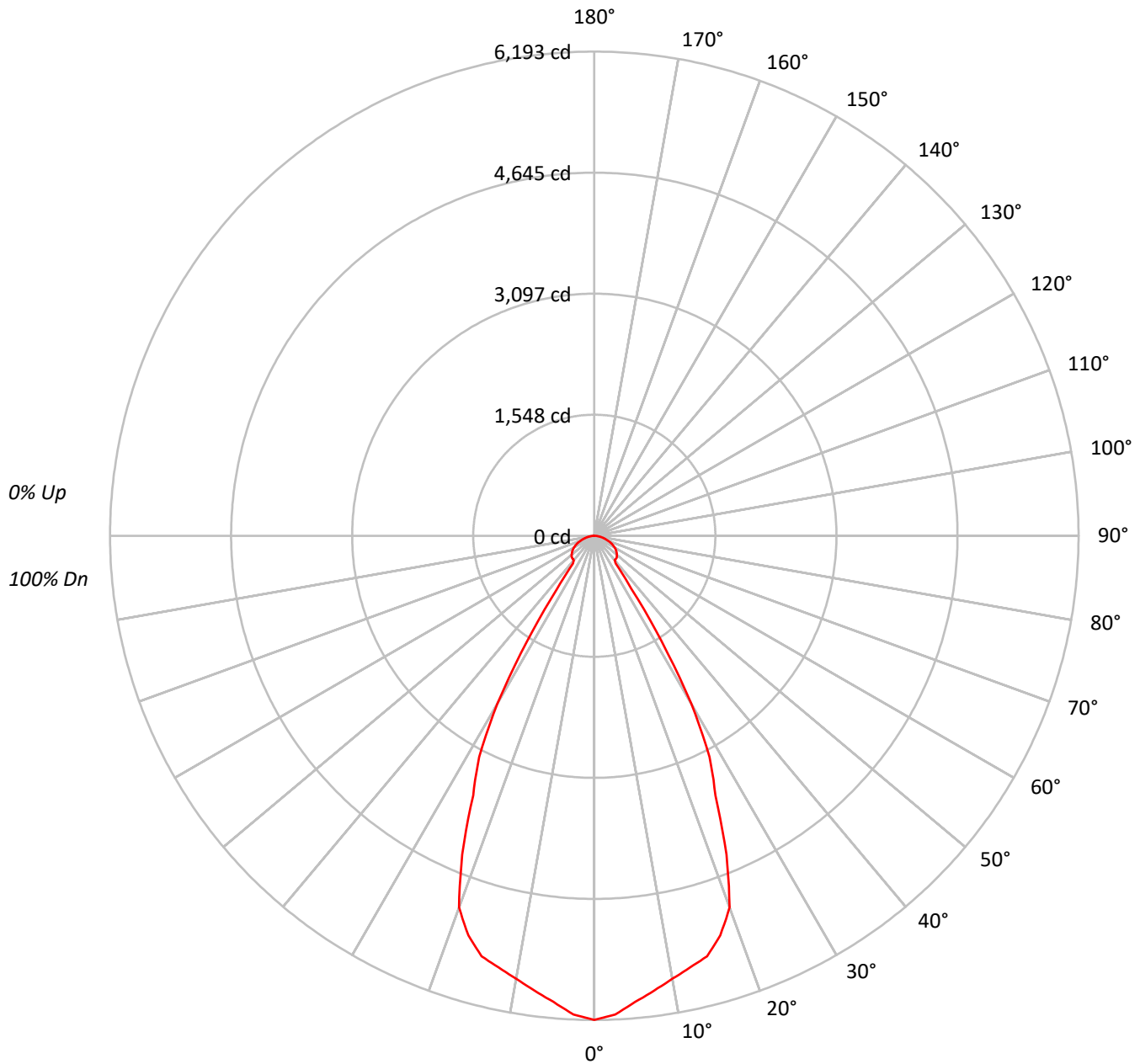


Downlight

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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°	676619
5°	656511
10°	638207
15°	629836
20°	588143
25°	441837
30°	312343
35°	110641
40°	58179
45°	61962
50°	64167
55°	65376
60°	65775
65°	64375
70°	60761
75°	56273
80°	49959
85°	40618

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 65805 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	564.6	10.3
10°-20°	1548.6	28.1
20°-30°	1705.6	31.0
30°-40°	651.7	11.8
40°-50°	307.7	5.6
50°-60°	305.9	5.6
60°-70°	244.9	4.4
70°-80°	140.7	2.6
80°-90°	38.3	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°	3818.9	69.3
0°-40°	4470.5	81.2
0°-60°	5084.2	92.3
0°-90°	5508.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5508.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6193	
5°	5986	565
15°	5568	1549
25°	3665	1706
35°	830	652
45°	401	308
55°	343	306
65°	249	245
75°	133	141
85°	32	38
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6192.7
2.5°	6128.0
5°	5985.8
7.5°	5867.2
10°	5752.4
12.5°	5655.4
15°	5568.1
17.5°	5357.3
20°	5058.3
22.5°	4413.1
25°	3665.0
27.5°	3190.5
30°	2475.7
32.5°	1599.2
35°	829.5
37.5°	448.1
40°	407.9
42.5°	404.9
45°	401.0
47.5°	392.2
50°	377.5
52.5°	360.8
55°	343.2
57.5°	323.6
60°	301.0
62.5°	275.5
65°	249.0
67.5°	219.6
70°	190.2
72.5°	160.8
75°	133.3
77.5°	104.9
80°	79.4
82.5°	55.9
85°	32.4
87.5°	12.7
90°	0.0



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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)