

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: P756745

Luminaire Tested: LD4D95BD010-EU4DR7070959027-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756745
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-EU4DR7070959027-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5018.7 lumens
Efficiency: N/A
Efficacy: 50.6 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

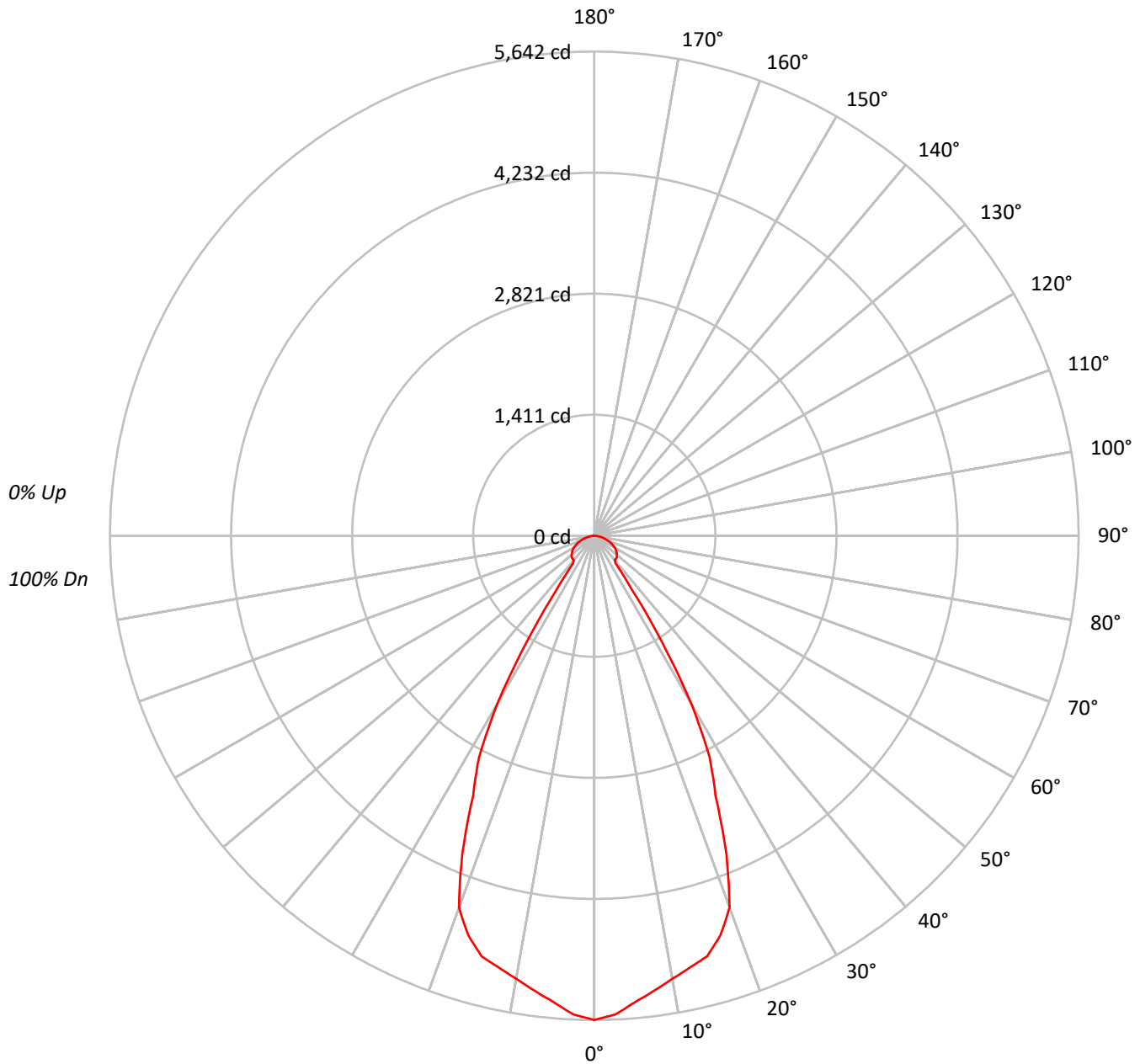


Downlight

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	106	103		110	107	104	102		103	101	99		99	97	96		95	94	93
2	106	100	95	91		103	98	94	90		95	91	88		92	89	86		89	87	85
3	100	92	87	82		98	91	86	81		88	84	80		86	82	79		83	80	78
4	94	86	80	75		92	85	79	74		82	77	73		80	76	73		78	75	72
5	89	80	74	69		87	79	73	69		77	72	68		75	71	67		74	70	67
6	85	75	68	64		83	74	68	64		73	67	63		71	66	63		70	66	62
7	80	70	64	59		79	70	64	59		68	63	59		67	62	59		66	62	58
8	77	66	60	56		75	66	60	56		65	59	55		64	59	55		63	58	55
9	73	63	57	52		72	62	56	52		61	56	52		60	55	52		60	55	52
10	70	59	53	49		69	59	53	49		58	53	49		57	52	49		57	52	49

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	616493
5°	598173
10°	581503
15°	573867
20°	535878
25°	402572
30°	284587
35°	100811
40°	53001
45°	56461
50°	58456
55°	59566
60°	59940
65°	58661
70°	55362
75°	51291
80°	45555
85°	36982

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 59948 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	514.4	10.3
10°-20°	1411.0	28.1
20°-30°	1554.1	31.0
30°-40°	593.8	11.8
40°-50°	280.4	5.6
50°-60°	278.7	5.6
60°-70°	223.1	4.4
70°-80°	128.3	2.6
80°-90°	34.9	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°	3479.5	69.3
0°-40°	4073.3	81.2
0°-60°	4632.4	92.3
0°-90°	5018.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5018.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5642	
5°	5454	514
15°	5073	1411
25°	3339	1554
35°	756	594
45°	365	280
55°	313	279
65°	227	223
75°	122	128
85°	30	35
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5642.4
2.5°	5583.4
5°	5453.9
7.5°	5345.8
10°	5241.3
12.5°	5152.8
15°	5073.3
17.5°	4881.3
20°	4608.8
22.5°	4021.0
25°	3339.3
27.5°	2907.0
30°	2255.7
32.5°	1457.1
35°	755.8
37.5°	408.3
40°	371.6
42.5°	369.0
45°	365.4
47.5°	357.3
50°	343.9
52.5°	328.8
55°	312.7
57.5°	294.8
60°	274.3
62.5°	251.0
65°	226.9
67.5°	200.1
70°	173.3
72.5°	146.5
75°	121.5
77.5°	95.6
80°	72.4
82.5°	50.9
85°	29.5
87.5°	11.6
90°	0.0



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— 0°-180°







(END OF REPORT)