

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: P756641

Luminaire Tested: LD4D95BD010-EU4DR6070959050-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756641
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR6070959050-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7406.4 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
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

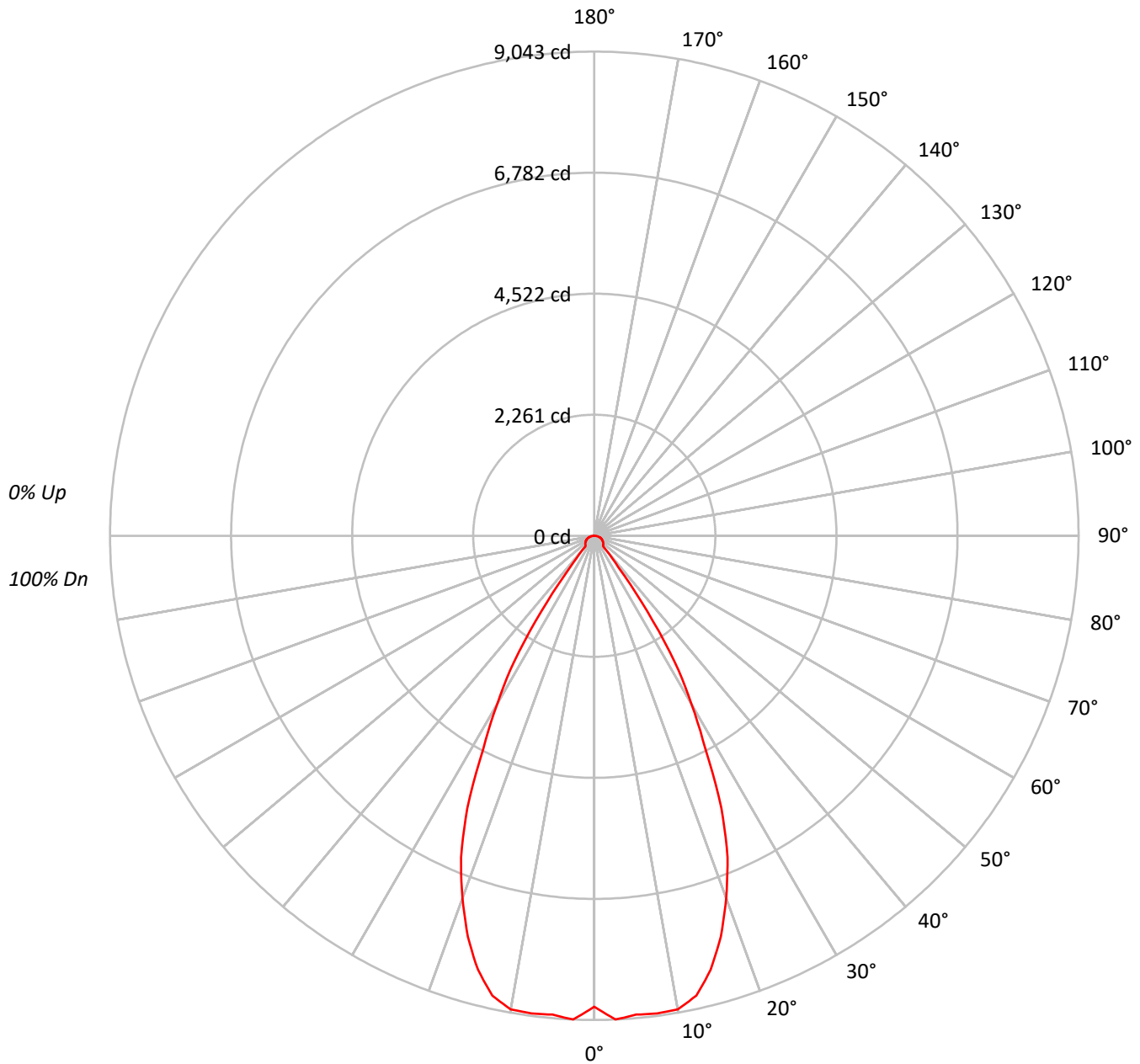


Downlight

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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	113	110	108	105	111	108	106	104	104	102	100		100	99	97		97
2	107	102	98	95	105	101	97	94	97	94	92		94	92	90		92
3	102	96	90	86	100	94	89	86	91	88	84		89	86	83		87
4	97	89	84	80	95	88	83	79	86	82	78		84	80	77		82
5	92	84	78	74	91	83	78	74	81	77	73		80	76	72		78
6	88	79	73	69	87	78	73	69	77	72	68		75	71	68		74
7	84	75	69	65	83	74	68	64	73	68	64		72	67	64		71
8	80	71	65	61	79	70	65	61	69	64	60		68	64	60		67
9	77	67	61	57	75	67	61	57	66	61	57		65	60	57		64
10	73	64	58	54	72	63	58	54	62	58	54		62	57	54		61

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	961069
5°	984701
10°	996597
15°	949386
20°	837072
25°	677042
30°	457961
35°	229485
40°	37226
45°	36435
50°	37158
55°	37717
60°	38766
65°	39659
70°	40603
75°	41075
80°	39640
85°	32970

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 41075 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	858.1	11.6
10°-20°	2321.6	31.3
20°-30°	2497.8	33.7
30°-40°	1085.8	14.7
40°-50°	182.4	2.5
50°-60°	177.3	2.4
60°-70°	151.7	2.0
70°-80°	101.5	1.4
80°-90°	30.4	0.4
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°	5677.5	76.7
0°-40°	6763.2	91.3
0°-60°	7122.9	96.2
0°-90°	7406.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7406.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8796	
5°	8978	858
15°	8393	2322
25°	5616	2498
35°	1720	1086
45°	236	182
55°	198	177
65°	153	152
75°	97	101
85°	26	30
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	8796.1
2.5°	9043.3
5°	8978.1
7.5°	8998.7
10°	8982.7
12.5°	8797.2
15°	8393.1
17.5°	7850.5
20°	7199.2
22.5°	6502.0
25°	5616.0
27.5°	4491.9
30°	3629.9
32.5°	2797.7
35°	1720.5
37.5°	736.1
40°	261.0
42.5°	240.4
45°	235.8
47.5°	227.8
50°	218.6
52.5°	208.3
55°	198.0
57.5°	187.7
60°	177.4
62.5°	166.0
65°	153.4
67.5°	140.8
70°	127.1
72.5°	112.2
75°	97.3
77.5°	80.1
80°	63.0
82.5°	44.6
85°	26.3
87.5°	9.2
90°	0.0



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— 0°-180°







(END OF REPORT)