

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: P756706

Luminaire Tested: LD4D95BD010-EU4DR6570959040-4LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756706
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-EU4DR6570959040-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6078.2 lumens
Efficiency: N/A
Efficacy: 61.3 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 (A_{in}): 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

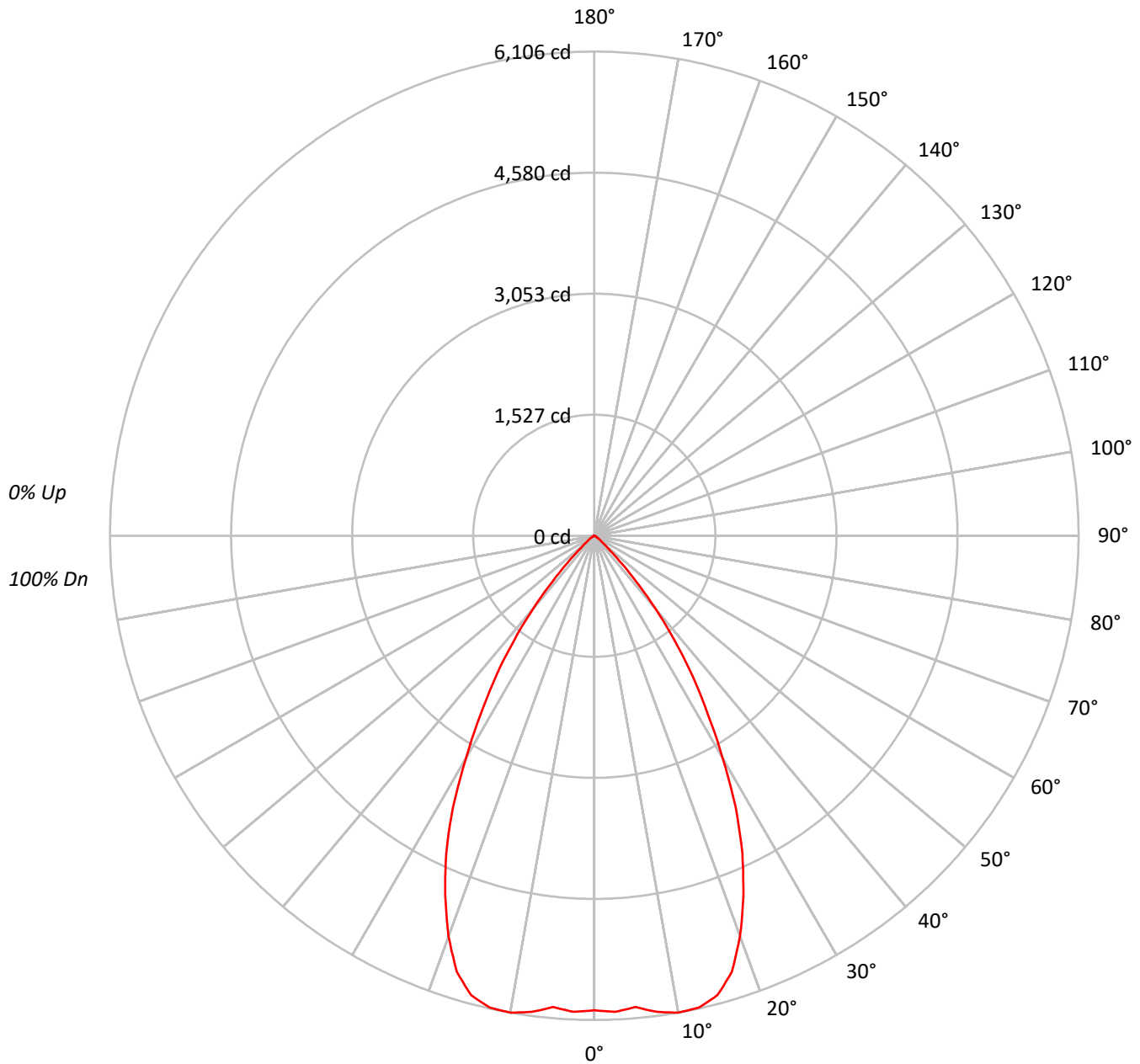


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	653860
5°	654394
10°	677438
15°	678555
20°	624722
25°	532290
30°	407495
35°	287880
40°	169929
45°	68992
50°	25004
55°	13925
60°	7998
65°	4395
70°	4632
75°	3588
80°	3775
85°	3259

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 68992 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	576.2	9.5
10°-20°	1662.2	27.3
20°-30°	1994.3	32.8
30°-40°	1340.2	22.1
40°-50°	401.2	6.6
50°-60°	70.8	1.2
60°-70°	20.1	0.3
70°-80°	9.9	0.2
80°-90°	3.2	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°	4232.8	69.6
0°-40°	5573.0	91.7
0°-60°	6045.0	99.5
0°-90°	6078.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6078.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5984	
5°	5966	576
15°	5999	1662
25°	4415	1994
35°	2158	1340
45°	446	401
55°	73	71
65°	17	20
75°	8	10
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5984.4
2.5°	6009.9
5°	5966.5
7.5°	6056.6
10°	6106.0
12.5°	6094.1
15°	5998.8
17.5°	5765.8
20°	5372.9
22.5°	4910.3
25°	4415.3
27.5°	3856.6
30°	3229.9
32.5°	2661.8
35°	2158.3
37.5°	1660.9
40°	1191.4
42.5°	778.1
45°	446.5
47.5°	236.4
50°	147.1
52.5°	102.0
55°	73.1
57.5°	52.7
60°	36.6
62.5°	23.8
65°	17.0
67.5°	15.3
70°	14.5
72.5°	11.1
75°	8.5
77.5°	7.7
80°	6.0
82.5°	4.3
85°	2.6
87.5°	1.7
90°	0.0



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— 0°-180°







(END OF REPORT)