

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: P756643

Luminaire Tested: LD4D95BD010-EU4DR6070959050-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756643
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-EU4DR6070959050-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9875.5 lumens
Efficiency: N/A
Efficacy: 99.6 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

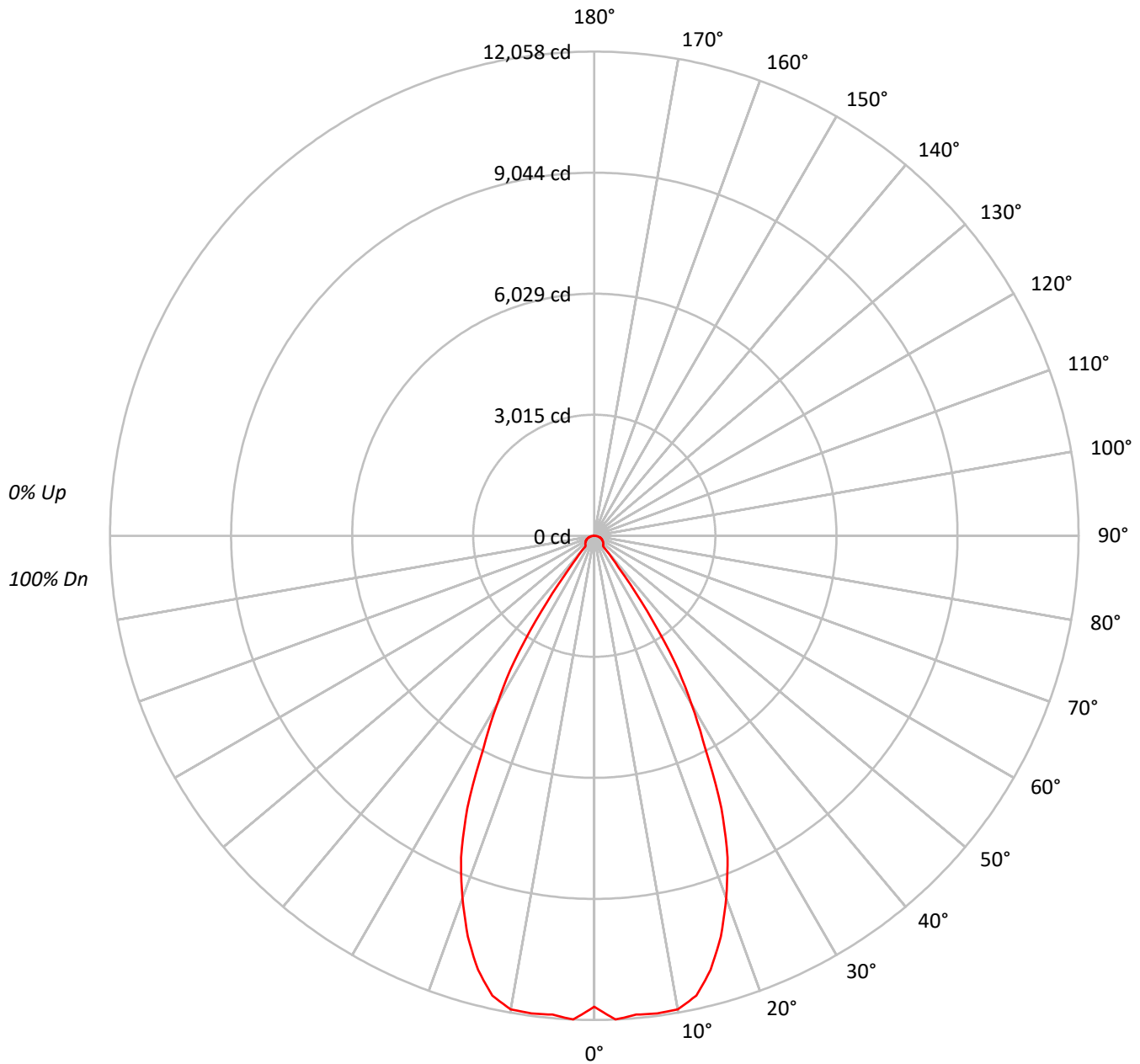


Downlight

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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	30	10
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	113	110	108	105		111	108	106	104		104	102	100		100	99	97		97	96	95
2	107	102	98	95		105	101	97	94		97	94	92		94	92	90		92	90	88
3	102	96	90	86		100	94	89	86		91	88	84		89	86	83		87	84	82
4	97	89	84	80		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	84	78	74		91	83	78	74		81	77	73		80	76	72		78	75	72
6	88	79	73	69		87	78	73	69		77	72	68		75	71	68		74	70	67
7	84	75	69	65		83	74	68	64		73	68	64		72	67	64		71	67	63
8	80	71	65	61		79	70	65	61		69	64	60		68	64	60		67	63	60
9	77	67	61	57		75	67	61	57		66	61	57		65	60	57		64	60	57
10	73	64	58	54		72	63	58	54		62	58	54		62	57	54		61	57	54

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1281465
5°	1312979
10°	1328837
15°	1265893
20°	1116126
25°	902759
30°	610644
35°	305993
40°	49635
45°	48580
50°	49549
55°	50308
60°	51702
65°	52870
70°	54116
75°	54753
80°	52791
85°	44002

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 54753 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1144.1	11.6
10°-20°	3095.5	31.3
20°-30°	3330.6	33.7
30°-40°	1447.7	14.7
40°-50°	243.1	2.5
50°-60°	236.4	2.4
60°-70°	202.2	2.0
70°-80°	135.3	1.4
80°-90°	40.5	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°	7570.3	76.7
0°-40°	9018.0	91.3
0°-60°	9497.5	96.2
0°-90°	9875.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9875.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11728	
5°	11971	###
15°	11191	3096
25°	7488	3331
35°	2294	1448
45°	314	243
55°	264	236
65°	204	202
75°	130	135
85°	35	40
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	11728.5
2.5°	12058.2
5°	11971.2
7.5°	11998.6
10°	11977.3
12.5°	11730.0
15°	11191.2
17.5°	10467.7
20°	9599.2
22.5°	8669.7
25°	7488.3
27.5°	5989.4
30°	4840.1
32.5°	3730.4
35°	2294.1
37.5°	981.4
40°	348.0
42.5°	320.5
45°	314.4
47.5°	303.7
50°	291.5
52.5°	277.8
55°	264.1
57.5°	250.3
60°	236.6
62.5°	221.3
65°	204.5
67.5°	187.7
70°	169.4
72.5°	149.6
75°	129.7
77.5°	106.8
80°	83.9
82.5°	59.5
85°	35.1
87.5°	12.2
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)