

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: P756095

Luminaire Tested: LD4D95BD010-EU4DR2570959050-4LBDP1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756095
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR2570959050-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6603.4 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
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

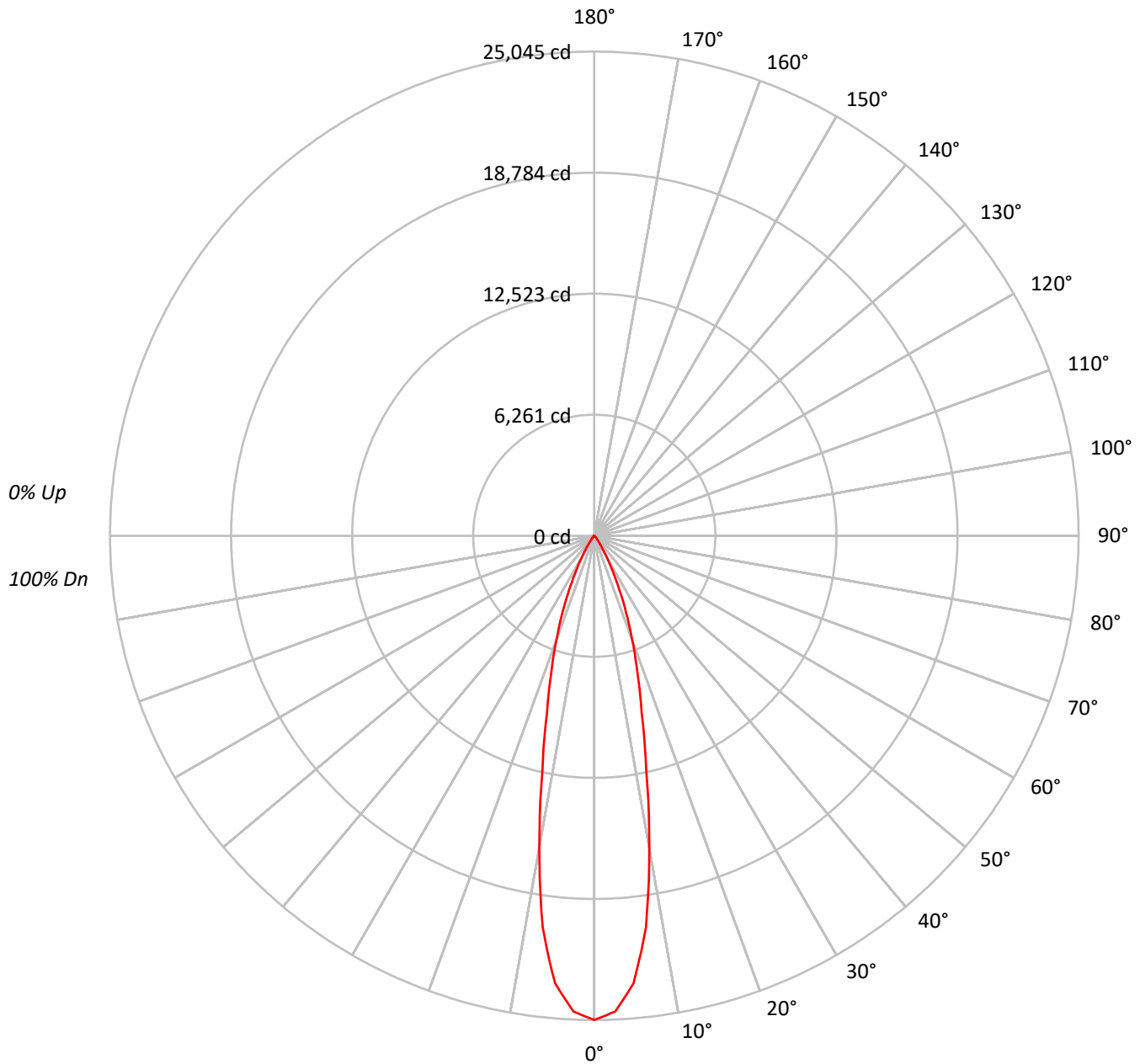


Downlight

TEST NUMBER: P756095

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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	115	113	111	109		112	110	109	107		106	105	104		103	102	101		99	99	98
2	111	107	104	101		109	105	102	100		102	100	98		99	97	96		97	95	94
3	107	102	98	95		105	101	97	94		98	95	93		96	93	91		94	92	90
4	103	97	93	90		102	96	93	90		94	91	89		93	90	88		91	89	87
5	100	93	89	86		98	93	89	86		91	87	85		89	86	84		88	85	83
6	97	90	85	82		95	89	85	82		88	84	81		87	83	81		85	83	80
7	93	87	82	79		92	86	82	79		85	81	78		84	80	78		83	80	78
8	91	84	79	76		90	83	79	76		82	78	76		81	78	75		80	77	75
9	88	81	76	73		87	80	76	73		80	76	73		79	75	73		78	75	73
10	85	78	74	71		85	78	74	71		77	73	71		76	73	71		76	73	70

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2736457
5°	2548667
10°	1818032
15°	1070747
20°	666232
25°	365634
30°	167217
35°	63330
40°	28683
45°	17244
50°	7156
55°	4610
60°	3212
65°	2172
70°	351
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 17244 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1997.1	30.2
10°-20°	2704.9	41.0
20°-30°	1431.4	21.7
30°-40°	353.4	5.4
40°-50°	86.2	1.3
50°-60°	22.7	0.3
60°-70°	7.6	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	6133.4	92.9
0°-40°	6486.7	98.2
0°-60°	6595.6	99.9
0°-90°	6603.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6603.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	25045	
5°	23238	###
15°	9466	2705
25°	3033	1431
35°	475	353
45°	112	86
55°	24	23
65°	8	8
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	25045.2
2.5°	24633.6
5°	23237.7
7.5°	20433.2
10°	16386.6
12.5°	12387.3
15°	9466.0
17.5°	7377.4
20°	5729.9
22.5°	4297.2
25°	3032.9
27.5°	2033.8
30°	1325.4
32.5°	806.4
35°	474.8
37.5°	290.5
40°	201.1
42.5°	153.7
45°	111.6
47.5°	67.4
50°	42.1
52.5°	30.5
55°	24.2
57.5°	18.9
60°	14.7
62.5°	11.6
65°	8.4
67.5°	3.2
70°	1.1
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



Report Generated By 670245859 / DESKTOP-T8S5UU9

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

Scaled Data Report





— 0°-180°







(END OF REPORT)