

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: P756069

Luminaire Tested: LD4D95BD010-EU4DR2570959035-4LBDP1B

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756069
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-EU4DR2570959035-4LBDP1B
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6263.7 lumens
Efficiency: N/A
Efficacy: 63.1 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

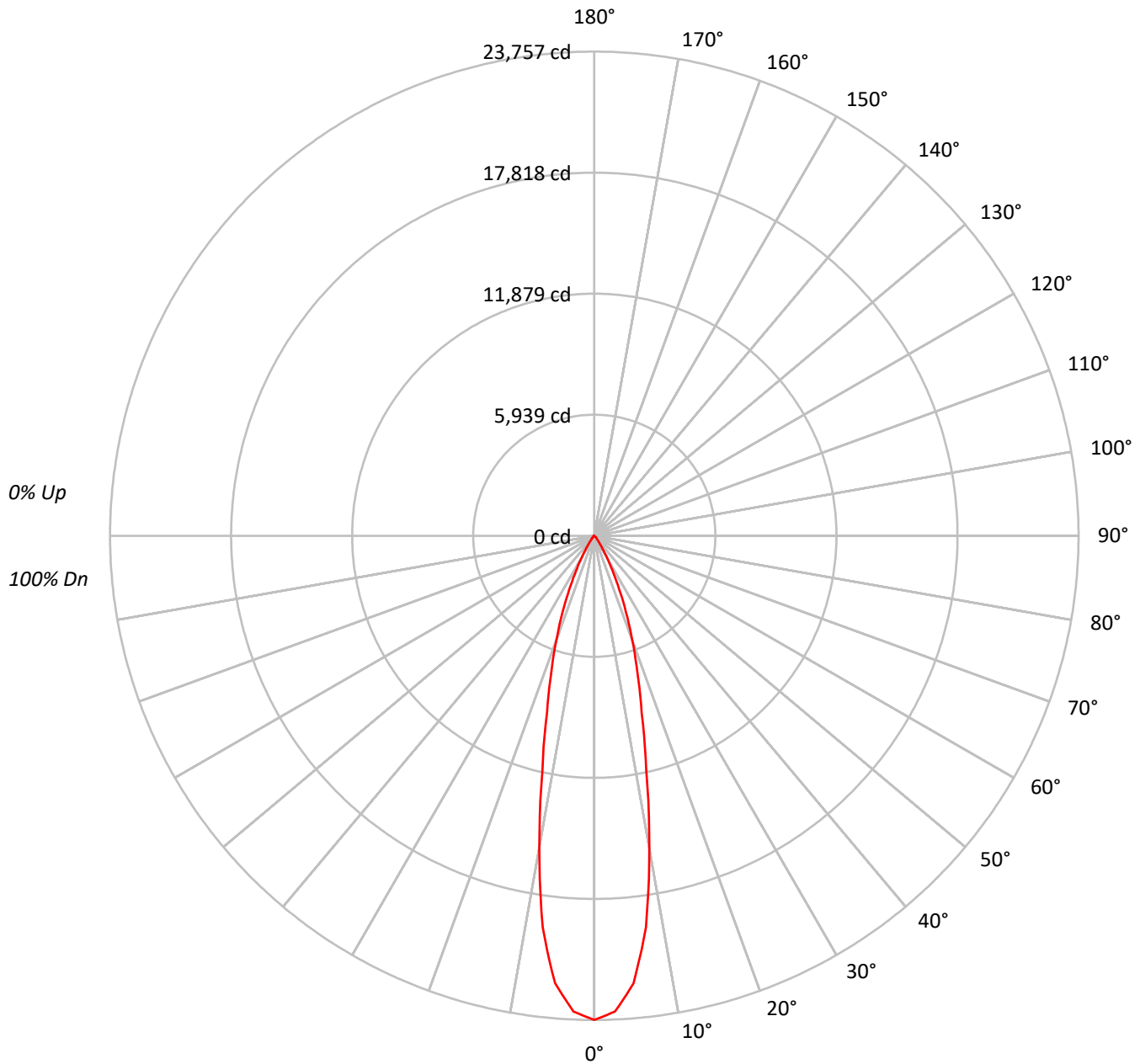


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2595697
5°	2417558
10°	1724516
15°	1015671
20°	631966
25°	346827
30°	158613
35°	60076
40°	27200
45°	16348
50°	6782
55°	4381
60°	3059
65°	2068
70°	319
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 16348 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1894.4	30.2
10°-20°	2565.8	41.0
20°-30°	1357.8	21.7
30°-40°	335.2	5.4
40°-50°	81.8	1.3
50°-60°	21.5	0.3
60°-70°	7.2	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°	5817.9	92.9
0°-40°	6153.1	98.2
0°-60°	6256.4	99.9
0°-90°	6263.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6263.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23757	
5°	22042	###
15°	8979	2566
25°	2877	1358
35°	450	335
45°	106	82
55°	23	22
65°	8	7
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	23756.9
2.5°	23366.4
5°	22042.3
7.5°	19382.1
10°	15543.7
12.5°	11750.1
15°	8979.1
17.5°	6997.9
20°	5435.2
22.5°	4076.1
25°	2876.9
27.5°	1929.2
30°	1257.2
32.5°	764.9
35°	450.4
37.5°	275.6
40°	190.7
42.5°	145.8
45°	105.8
47.5°	63.9
50°	39.9
52.5°	29.0
55°	23.0
57.5°	18.0
60°	14.0
62.5°	11.0
65°	8.0
67.5°	3.0
70°	1.0
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



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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)