

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: P756049

Luminaire Tested: LD4D95BD010-EU4DR2570959027-4LBS1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756049
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-EU4DR2570959027-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8439.0 lumens
Efficiency: N/A
Efficacy: 85.1 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

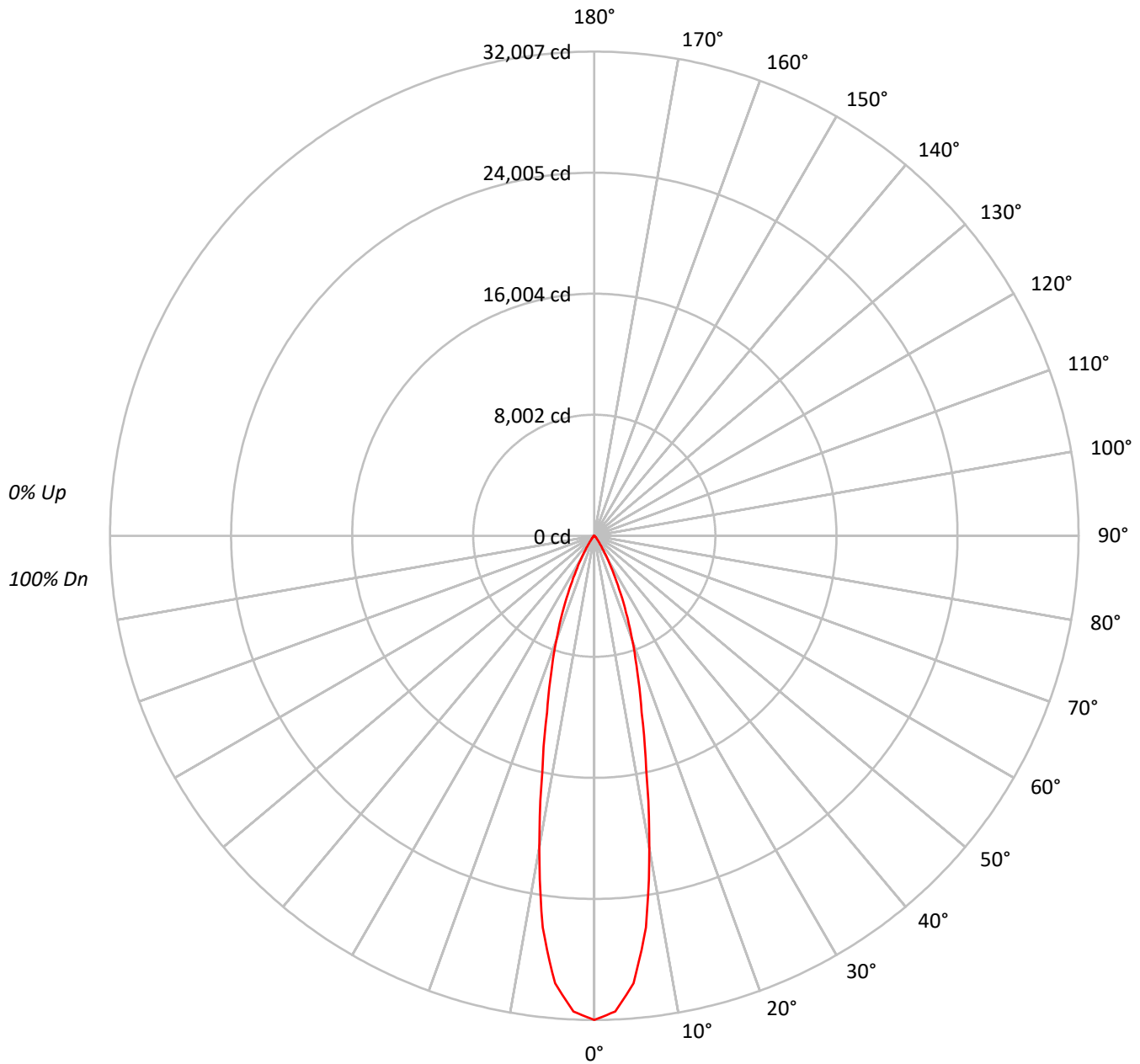


Downlight

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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°	3497142
5°	3257155
10°	2323415
15°	1368398
20°	851443
25°	467275
30°	213696
35°	80937
40°	36656
45°	22034
50°	9145
55°	5886
60°	4108
65°	2792
70°	415
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22034 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2552.2	30.2
10°-20°	3456.8	41.0
20°-30°	1829.3	21.7
30°-40°	451.6	5.4
40°-50°	110.2	1.3
50°-60°	29.0	0.3
60°-70°	9.7	0.1
70°-80°	0.2	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°	7838.4	92.9
0°-40°	8290.0	98.2
0°-60°	8429.1	99.9
0°-90°	8439.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8439.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	32007	
5°	29697	###
15°	12097	3457
25°	3876	1829
35°	607	452
45°	143	110
55°	31	29
65°	11	10
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	32007.3
2.5°	31481.3
5°	29697.4
7.5°	26113.3
10°	20941.8
12.5°	15830.8
15°	12097.4
17.5°	9428.2
20°	7322.8
22.5°	5491.7
25°	3876.0
27.5°	2599.2
30°	1693.8
32.5°	1030.5
35°	606.8
37.5°	371.3
40°	257.0
42.5°	196.4
45°	142.6
47.5°	86.1
50°	53.8
52.5°	39.0
55°	30.9
57.5°	24.2
60°	18.8
62.5°	14.8
65°	10.8
67.5°	4.0
70°	1.3
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)