

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: P756087

Luminaire Tested: LD4D95BD010-EU4DR2570959040-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P756087
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-EU4DR2570959040-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8758.5 lumens
Efficiency: N/A
Efficacy: 88.3 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

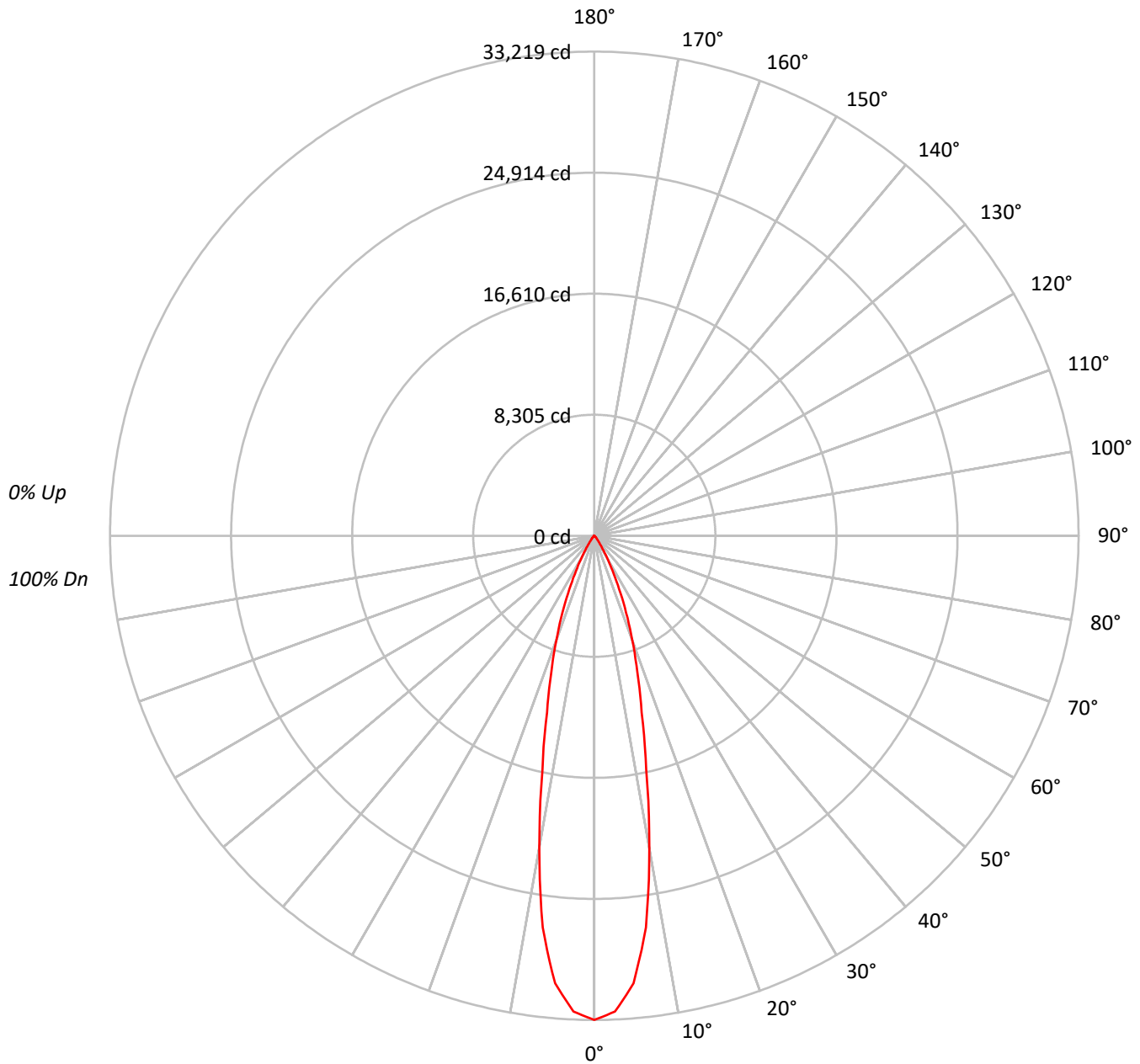


Downlight

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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					0
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°	3629511
5°	3380433
10°	2411362
15°	1420193
20°	883662
25°	484960
30°	221783
35°	83991
40°	38039
45°	22869
50°	9502
55°	6115
60°	4261
65°	2896
70°	447
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22869 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2648.8	30.2
10°-20°	3587.7	41.0
20°-30°	1898.5	21.7
30°-40°	468.7	5.4
40°-50°	114.4	1.3
50°-60°	30.1	0.3
60°-70°	10.1	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°	8135.1	92.9
0°-40°	8603.7	98.2
0°-60°	8748.2	99.9
0°-90°	8758.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8758.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	33219	
5°	30821	###
15°	12555	3588
25°	4023	1899
35°	630	469
45°	148	114
55°	32	30
65°	11	10
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	33218.8
2.5°	32672.9
5°	30821.4
7.5°	27101.7
10°	21734.5
12.5°	16430.0
15°	12555.3
17.5°	9785.1
20°	7599.9
22.5°	5699.6
25°	4022.7
27.5°	2697.6
30°	1757.9
32.5°	1069.5
35°	629.7
37.5°	385.4
40°	266.7
42.5°	203.9
45°	148.0
47.5°	89.4
50°	55.9
52.5°	40.5
55°	32.1
57.5°	25.1
60°	19.5
62.5°	15.4
65°	11.2
67.5°	4.2
70°	1.4
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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— 0°-180°







(END OF REPORT)