

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: P756760

Luminaire Tested: LD4D95BD010-EU4DR7070959030-4LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P756760
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D95BD010-EU4DR7070959030-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9330.7 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

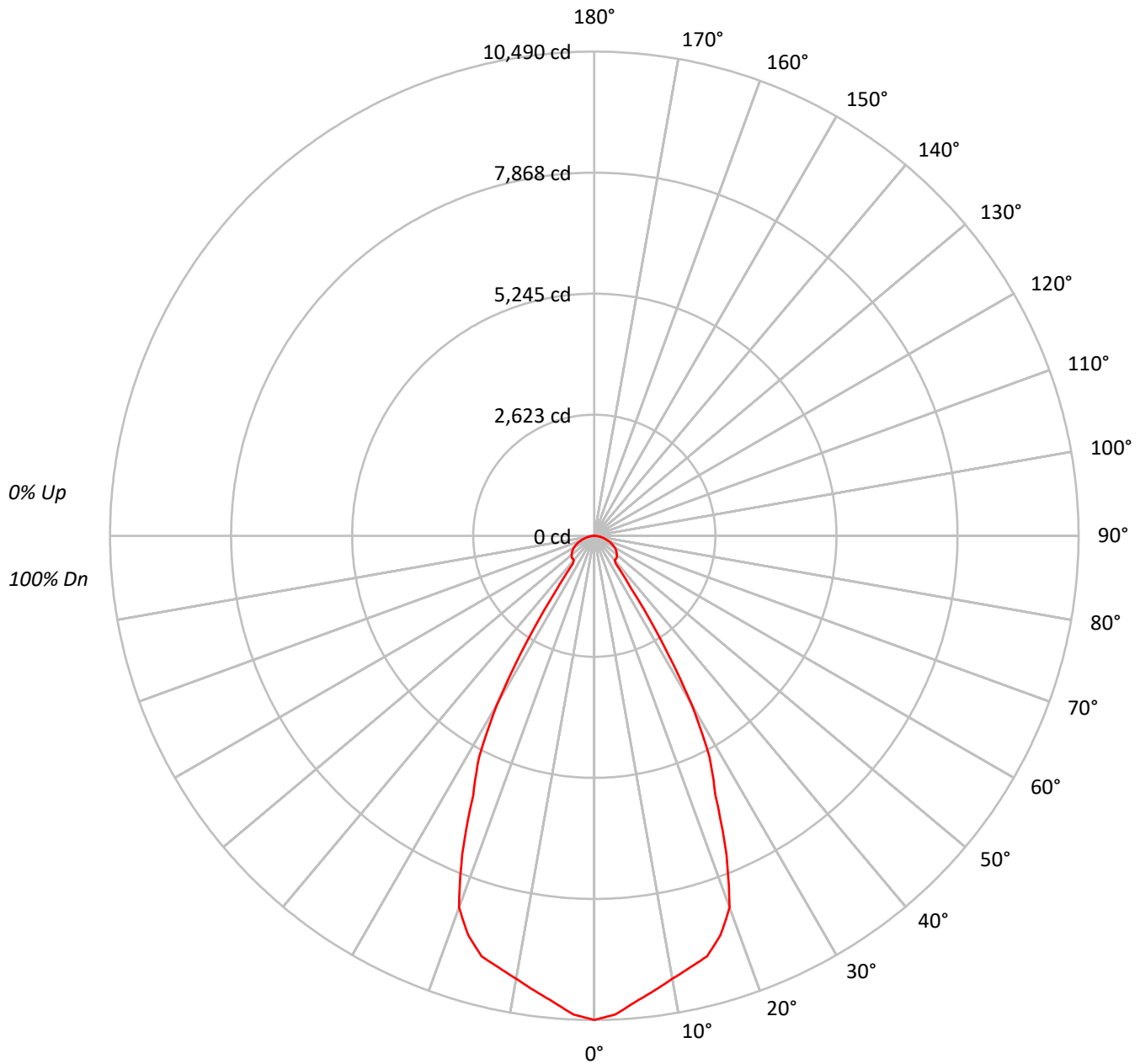


Downlight

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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				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0			
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1146189
5°	1112125
10°	1081127
15°	1066946
20°	996307
25°	748471
30°	529104
35°	187416
40°	98543
45°	104964
50°	108702
55°	110732
60°	111424
65°	109075
70°	102929
75°	95364
80°	84628
85°	68699

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 111457 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	956.4	10.3
10°-20°	2623.4	28.1
20°-30°	2889.3	31.0
30°-40°	1103.9	11.8
40°-50°	521.3	5.6
50°-60°	518.2	5.6
60°-70°	414.9	4.4
70°-80°	238.5	2.6
80°-90°	64.8	0.7
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°	6469.1	69.3
0°-40°	7573.0	81.2
0°-60°	8612.5	92.3
0°-90°	9330.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9330.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10490	
5°	10140	956
15°	9432	2623
25°	6208	2889
35°	1405	1104
45°	679	521
55°	581	518
65°	422	415
75°	226	238
85°	55	65
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	10490.4
2.5°	10380.8
5°	10139.9
7.5°	9939.0
10°	9744.6
12.5°	9580.2
15°	9432.4
17.5°	9075.3
20°	8568.7
22.5°	7475.8
25°	6208.5
27.5°	5404.6
30°	4193.8
32.5°	2709.0
35°	1405.1
37.5°	759.0
40°	690.9
42.5°	686.0
45°	679.3
47.5°	664.4
50°	639.5
52.5°	611.2
55°	581.3
57.5°	548.1
60°	509.9
62.5°	466.7
65°	421.9
67.5°	372.0
70°	322.2
72.5°	272.4
75°	225.9
77.5°	177.7
80°	134.5
82.5°	94.7
85°	54.8
87.5°	21.6
90°	0.0



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— 0°-180°







(END OF REPORT)