

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: P752132

Luminaire Tested: LD4D70BD010-EU4DR2570959024-4LBDP1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P752132
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: LD4D70BD010-EU4DR2570959024-4LBDP1LI
Description: 4 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5453.0 lumens
Efficiency: N/A
Efficacy: 81.9 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): 66.6
Input Voltage (V): NR
Input Current (A_{in}): 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

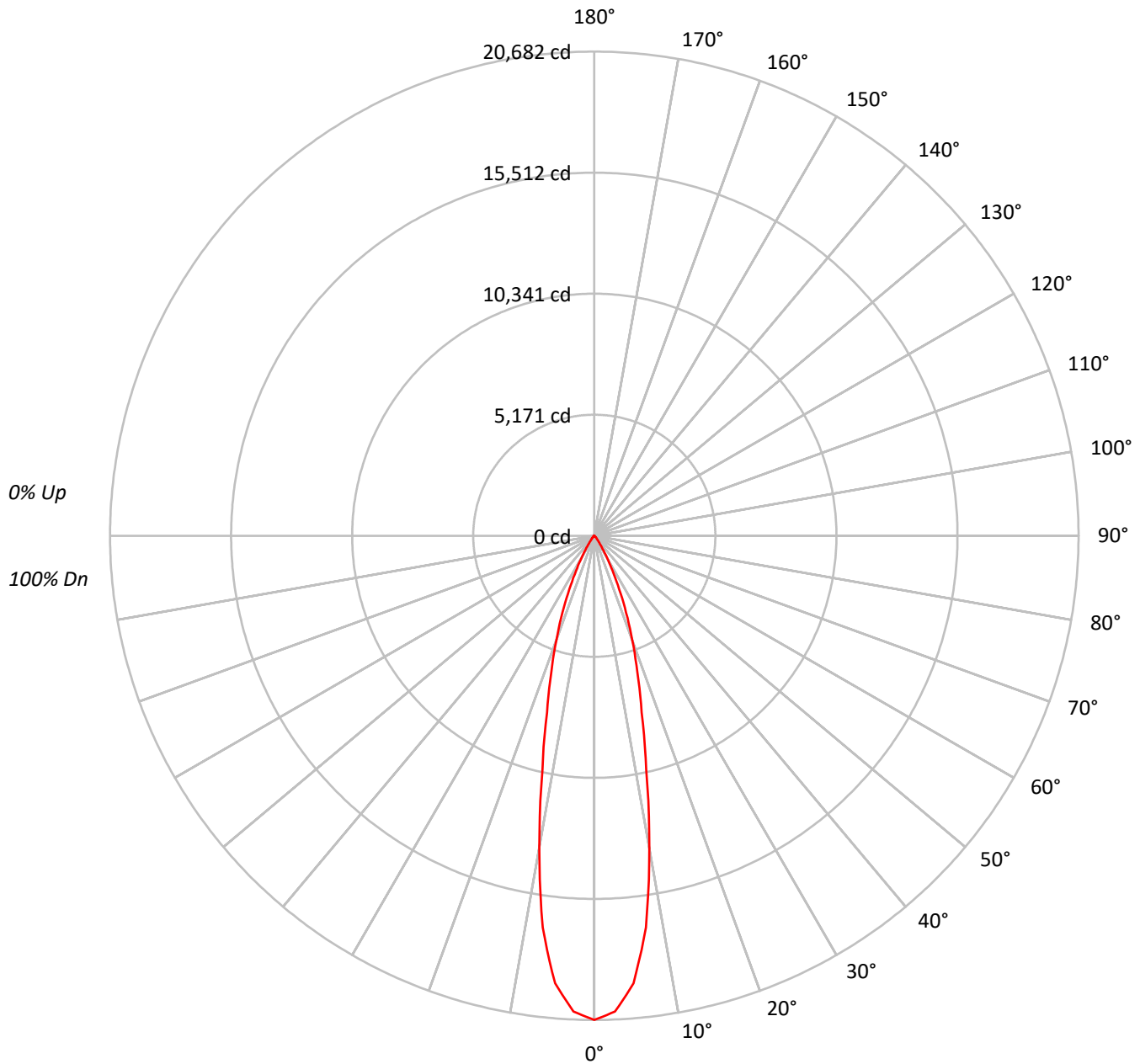


Downlight

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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	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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						
4	103	97	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						
5	100	93	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82						
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						
7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	77						
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2259709
5°	2104635
10°	1501292
15°	884209
20°	550168
25°	301932
30°	138086
35°	52299
40°	23677
45°	14231
50°	5915
55°	3810
60°	2666
65°	1810
70°	288
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 14231 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1649.2	30.2
10°-20°	2233.7	41.0
20°-30°	1182.0	21.7
30°-40°	291.8	5.4
40°-50°	71.2	1.3
50°-60°	18.7	0.3
60°-70°	6.3	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°	5064.8	92.9
0°-40°	5356.6	98.2
0°-60°	5446.5	99.9
0°-90°	5453.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5453.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20682	
5°	19189	###
15°	7817	2234
25°	2504	1182
35°	392	292
45°	92	71
55°	20	19
65°	7	6
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	20681.8
2.5°	20341.9
5°	19189.2
7.5°	16873.4
10°	13531.7
12.5°	10229.2
15°	7816.9
17.5°	6092.1
20°	4731.7
22.5°	3548.5
25°	2504.5
27.5°	1679.5
30°	1094.5
32.5°	665.9
35°	392.1
37.5°	239.9
40°	166.0
42.5°	126.9
45°	92.1
47.5°	55.6
50°	34.8
52.5°	25.2
55°	20.0
57.5°	15.6
60°	12.2
62.5°	9.6
65°	7.0
67.5°	2.6
70°	0.9
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)