

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: P752785

Luminaire Tested: LD4D70BD010-EU4DR6570959030-4LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P752785
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D70BD010-EU4DR6570959030-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6256.3 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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

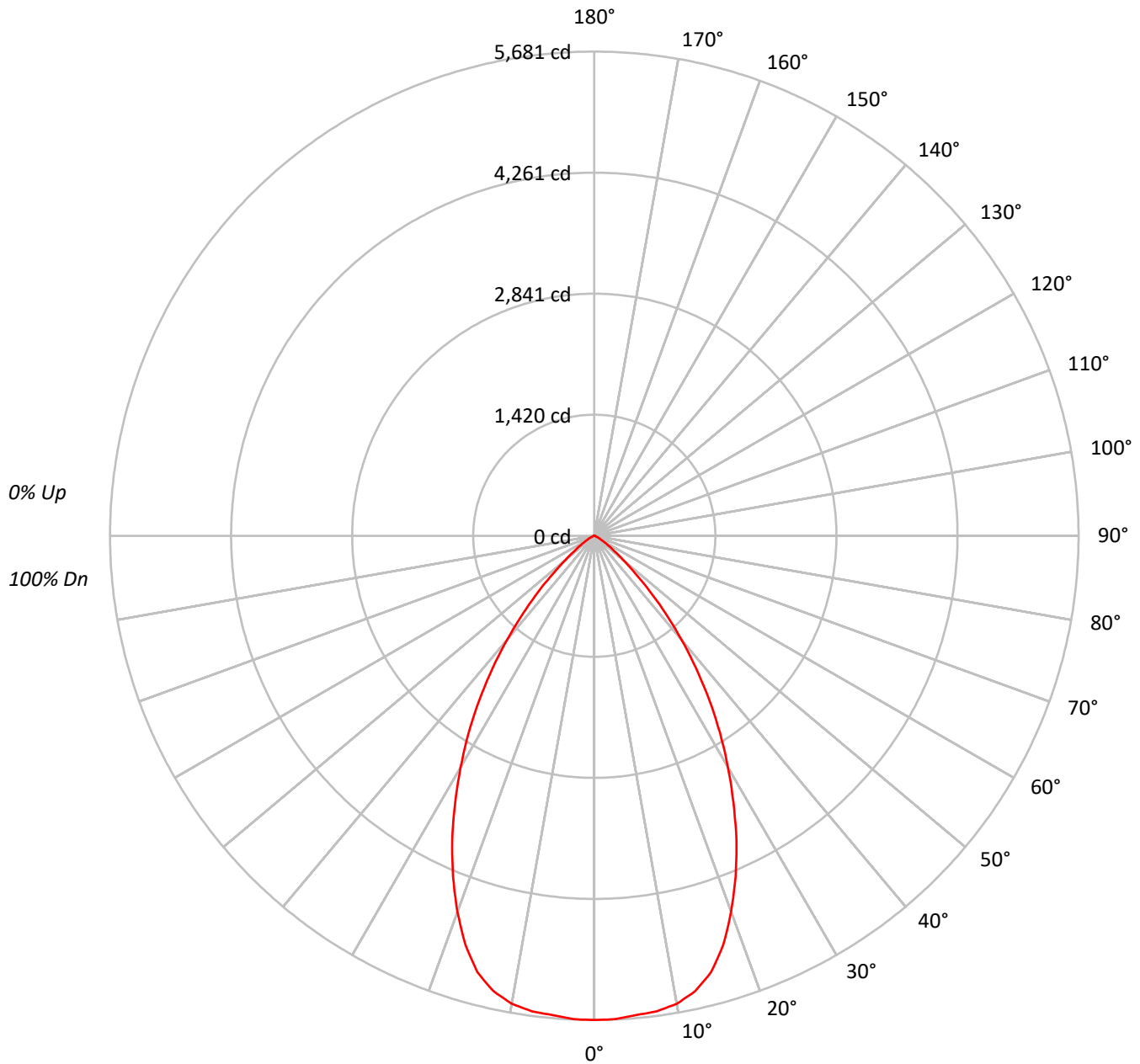


Downlight

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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
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	113	110	107	105	111	108	105	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	87	83	90	86	82		87	84	81		85
4	95	87	81	76	93	86	80	76	84	79	75		82	77	74		80
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		75
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70
7	80	70	64	59	79	69	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	51		59	54	50		58
10	68	58	52	47	67	57	51	47	57	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	331769
5°	330932
10°	330648
15°	320460
20°	291736
25°	254228
30°	211448
35°	167543
40°	120926
45°	76393
50°	39824
55°	21169
60°	11120
65°	6108
70°	2561
75°	2821
80°	1951
85°	1675

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 76393 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	537.2	8.6
10°-20°	1471.1	23.5
20°-30°	1798.1	28.7
30°-40°	1459.0	23.3
40°-50°	727.0	11.6
50°-60°	202.8	3.2
60°-70°	46.1	0.7
70°-80°	12.0	0.2
80°-90°	3.1	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°	3806.4	60.8
0°-40°	5265.4	84.2
0°-60°	6195.2	99.0
0°-90°	6256.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6256.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5681	
5°	5645	537
15°	5300	1471
25°	3945	1798
35°	2350	1459
45°	925	727
55°	208	203
65°	44	46
75°	12	12
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5680.6
2.5°	5676.4
5°	5644.7
7.5°	5626.3
10°	5575.4
12.5°	5471.9
15°	5300.0
17.5°	5031.2
20°	4693.9
22.5°	4329.9
25°	3945.1
27.5°	3533.6
30°	3135.4
32.5°	2742.2
35°	2349.9
37.5°	1958.4
40°	1586.1
42.5°	1237.1
45°	924.9
47.5°	644.4
50°	438.3
52.5°	302.2
55°	207.9
57.5°	140.2
60°	95.2
62.5°	65.9
65°	44.2
67.5°	22.5
70°	15.0
72.5°	14.2
75°	12.5
77.5°	8.3
80°	5.8
82.5°	4.2
85°	2.5
87.5°	1.7
90°	0.0



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— 0°-180°







(END OF REPORT)