

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: P752833

Luminaire Tested: LD4D70BD010-EU4DR7070959024-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P752833
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: LD4D70BD010-EU4DR7070959024-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5866.9 lumens
Efficiency: N/A
Efficacy: 88.1 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): 66.6
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

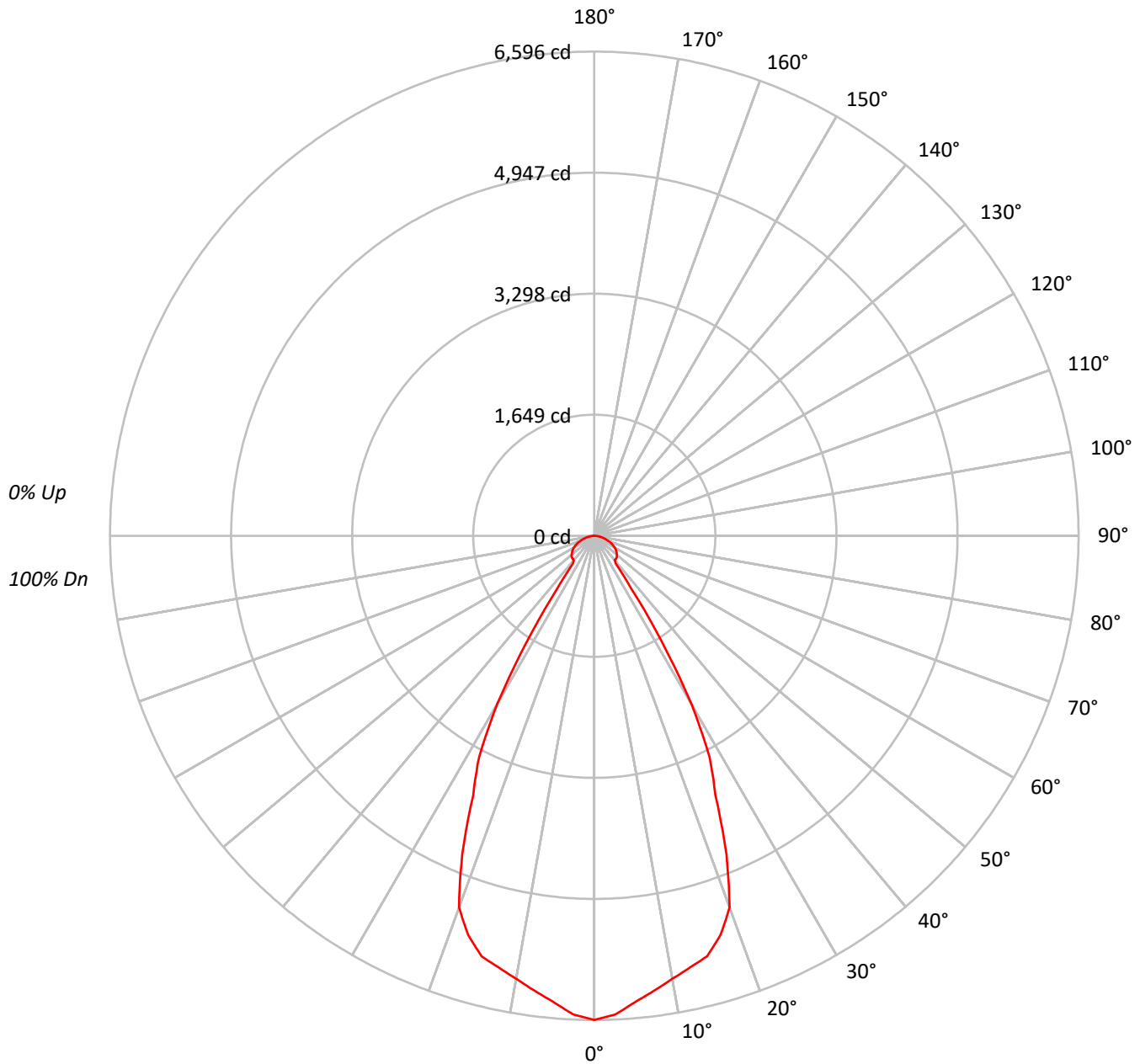


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	720695
5°	699286
10°	679790
15°	670874
20°	626455
25°	470626
30°	332693
35°	117844
40°	61973
45°	65995
50°	68349
55°	69624
60°	70058
65°	68589
70°	64722
75°	59945
80°	53231
85°	43250

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 70075 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	601.4	10.3
10°-20°	1649.5	28.1
20°-30°	1816.7	31.0
30°-40°	694.1	11.8
40°-50°	327.7	5.6
50°-60°	325.8	5.6
60°-70°	260.9	4.4
70°-80°	149.9	2.6
80°-90°	40.8	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°	4067.6	69.3
0°-40°	4761.8	81.2
0°-60°	5415.3	92.3
0°-90°	5866.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5866.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6596	
5°	6376	601
15°	5931	1650
25°	3904	1817
35°	884	694
45°	427	328
55°	366	326
65°	265	261
75°	142	150
85°	34	41
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6596.1
2.5°	6527.2
5°	6375.8
7.5°	6249.4
10°	6127.2
12.5°	6023.8
15°	5930.9
17.5°	5706.3
20°	5387.8
22.5°	4700.6
25°	3903.8
27.5°	3398.3
30°	2637.0
32.5°	1703.3
35°	883.5
37.5°	477.3
40°	434.5
42.5°	431.3
45°	427.1
47.5°	417.7
50°	402.1
52.5°	384.3
55°	365.5
57.5°	344.6
60°	320.6
62.5°	293.5
65°	265.3
67.5°	233.9
70°	202.6
72.5°	171.3
75°	142.0
77.5°	111.7
80°	84.6
82.5°	59.5
85°	34.5
87.5°	13.6
90°	0.0



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— 0°-180°







(END OF REPORT)