

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: P751325

Luminaire Tested: LD4D60D010-EU4DR7055659040-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751325
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: LD4D60D010-EU4DR7055659040-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6424.2 lumens
Efficiency: N/A
Efficacy: 99.8 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): 64.4
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

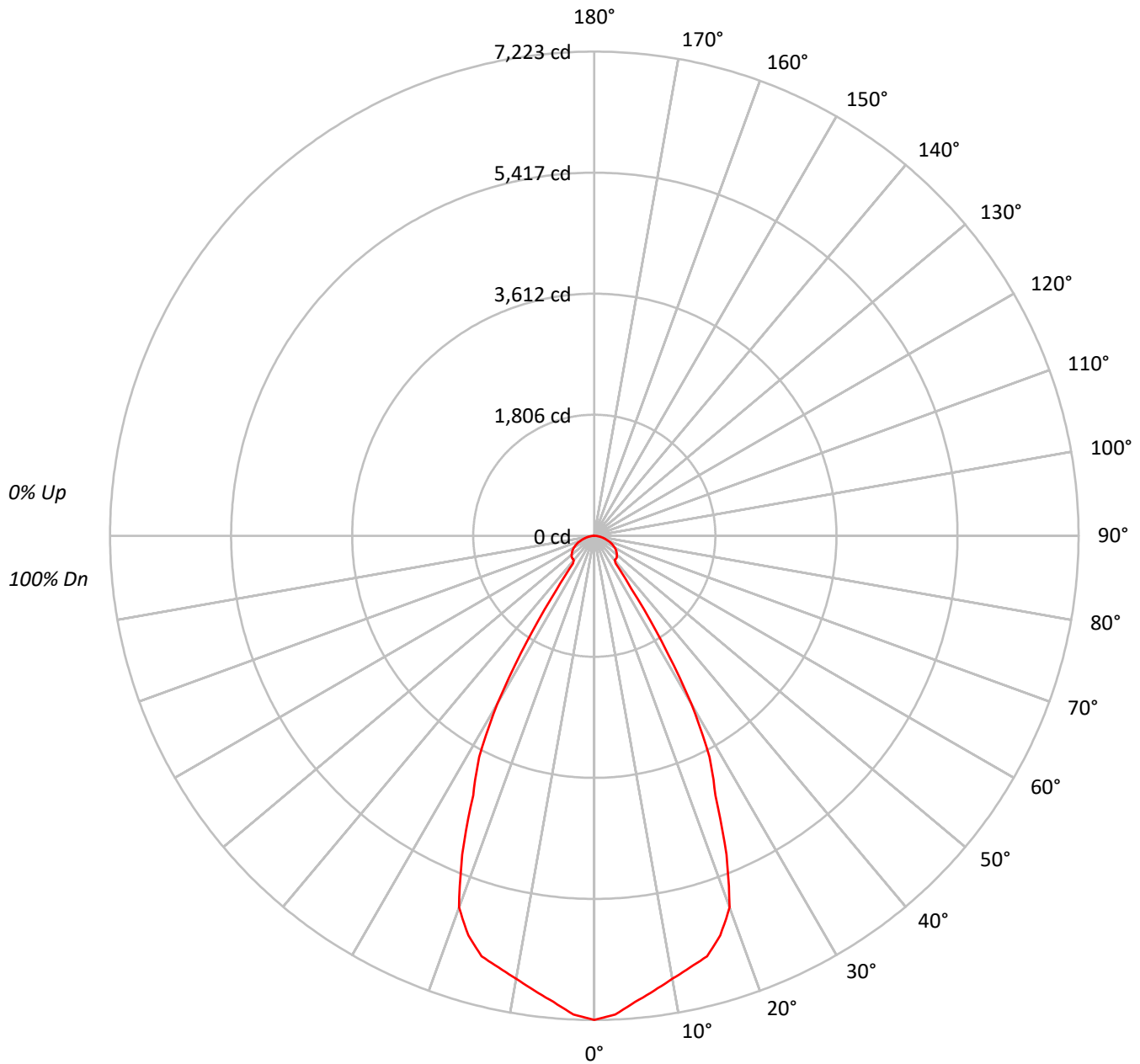


Downlight

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	789158
5°	765707
10°	744361
15°	734592
20°	685963
25°	515328
30°	364297
35°	129034
40°	67849
45°	72268
50°	74842
55°	76234
60°	76723
65°	75104
70°	70856
75°	65645
80°	58265
85°	47262

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 57.5°

Luminance: 76745 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	658.5	10.3
10°-20°	1806.2	28.1
20°-30°	1989.3	31.0
30°-40°	760.0	11.8
40°-50°	358.9	5.6
50°-60°	356.8	5.6
60°-70°	285.7	4.4
70°-80°	164.2	2.6
80°-90°	44.6	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°	4454.0	69.3
0°-40°	5214.1	81.2
0°-60°	5929.7	92.3
0°-90°	6424.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6424.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7223	
5°	6981	658
15°	6494	1806
25°	4275	1989
35°	967	760
45°	468	359
55°	400	357
65°	290	286
75°	156	164
85°	38	45
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7222.7
2.5°	7147.2
5°	6981.4
7.5°	6843.0
10°	6709.2
12.5°	6596.0
15°	6494.2
17.5°	6248.4
20°	5899.6
22.5°	5147.1
25°	4274.6
27.5°	3721.1
30°	2887.5
32.5°	1865.1
35°	967.4
37.5°	522.6
40°	475.7
42.5°	472.3
45°	467.7
47.5°	457.4
50°	440.3
52.5°	420.8
55°	400.2
57.5°	377.4
60°	351.1
62.5°	321.3
65°	290.5
67.5°	256.2
70°	221.8
72.5°	187.5
75°	155.5
77.5°	122.4
80°	92.6
82.5°	65.2
85°	37.7
87.5°	14.9
90°	0.0



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— 0°-180°







(END OF REPORT)