

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: P751342

Luminaire Tested: LD4D60D010-EU4DR7055659050-4LBS1H

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P751342
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR7055659050-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6810.7 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04
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

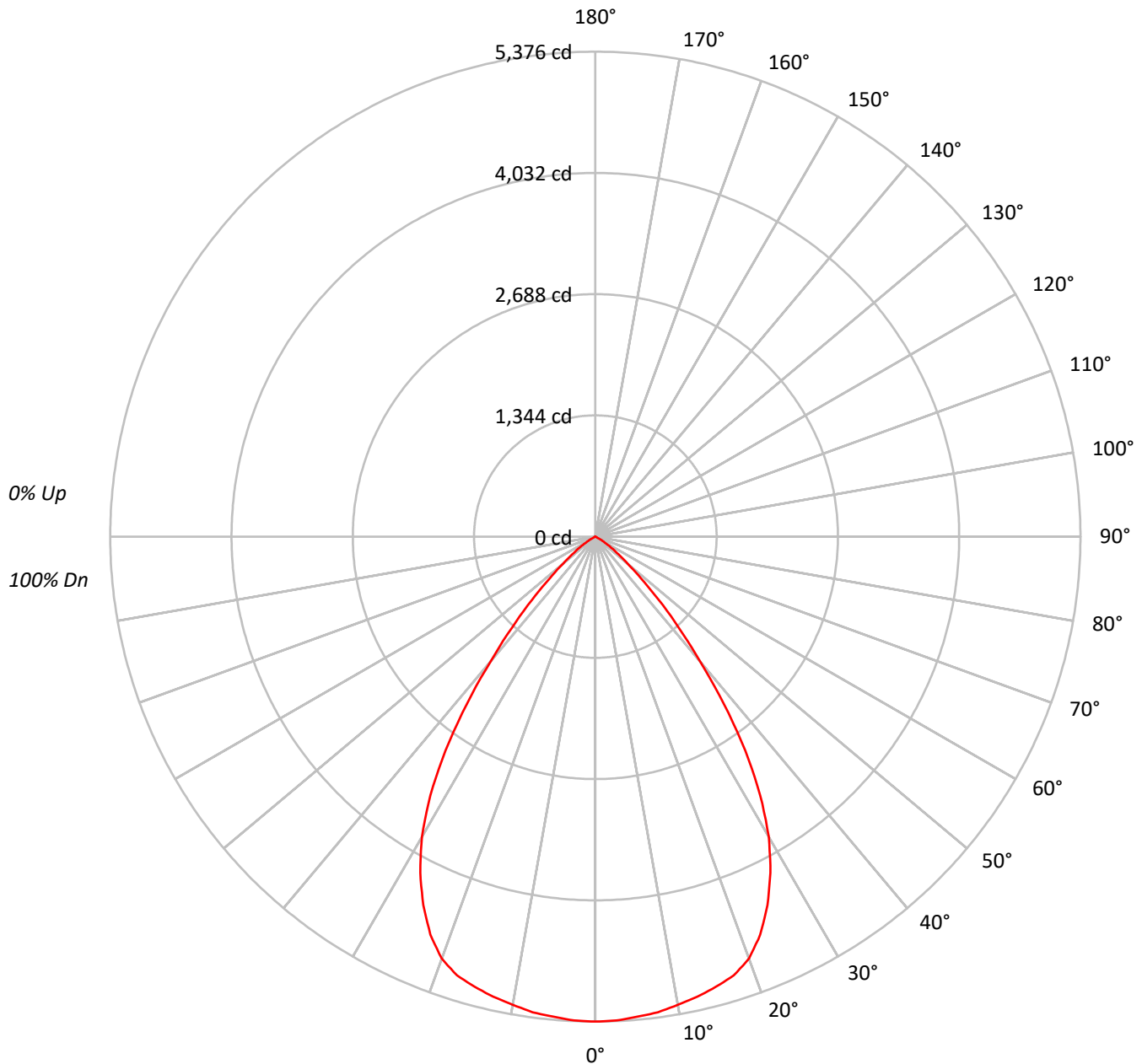


Downlight

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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	113	110	107	105		111	108	106	103		104	102	100		100	99	97		97	95	94
2	107	102	97	94		105	100	96	92		97	93	90		94	91	88		91	89	87
3	101	94	88	84		99	92	87	83		90	85	82		87	84	81		85	82	79
4	95	87	81	76		93	86	80	76		83	78	75		81	77	74		79	76	73
5	89	80	74	69		88	79	73	69		78	72	68		76	71	68		74	70	67
6	84	75	68	63		83	74	68	63		72	67	63		71	66	62		69	65	62
7	80	69	63	58		78	69	62	58		67	62	58		66	61	57		65	61	57
8	75	65	58	54		74	64	58	54		63	57	53		62	57	53		61	56	53
9	71	61	54	50		70	60	54	50		59	53	50		58	53	49		57	53	49
10	67	57	50	46		66	56	50	46		55	50	46		55	50	46		54	49	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	587342
5°	585868
10°	584598
15°	584443
20°	578725
25°	543635
30°	484657
35°	386423
40°	256577
45°	153406
50°	79533
55°	41794
60°	14794
65°	259
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 153406 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	508.0	7.5
10°-20°	1456.9	21.4
20°-30°	2055.3	30.2
30°-40°	1774.3	26.1
40°-50°	794.6	11.7
50°-60°	208.0	3.1
60°-70°	13.6	0.2
70°-80°	0.0	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°	4020.3	59.0
0°-40°	5794.6	85.1
0°-60°	6797.1	99.8
0°-90°	6810.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6810.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5376	
5°	5342	508
15°	5167	1457
25°	4509	2055
35°	2897	1774
45°	993	795
55°	219	208
65°	1	14
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5375.6
2.5°	5369.8
5°	5341.7
7.5°	5318.5
10°	5269.2
12.5°	5224.8
15°	5166.8
17.5°	5100.1
20°	4977.3
22.5°	4775.3
25°	4509.4
27.5°	4201.1
30°	3841.5
32.5°	3401.7
35°	2897.1
37.5°	2340.3
40°	1798.9
42.5°	1366.8
45°	992.8
47.5°	684.4
50°	467.9
52.5°	322.9
55°	219.4
57.5°	132.4
60°	67.7
62.5°	21.3
65°	1.0
67.5°	0.0
70°	0.0
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)