

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: P751225

Luminaire Tested: LD4D60D010-EU4DR6555659030-4LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P751225
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: LD4D60D010-EU4DR6555659030-4LBS1H
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: 5549.6 lumens
Efficiency: N/A
Efficacy: 86.2 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): 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

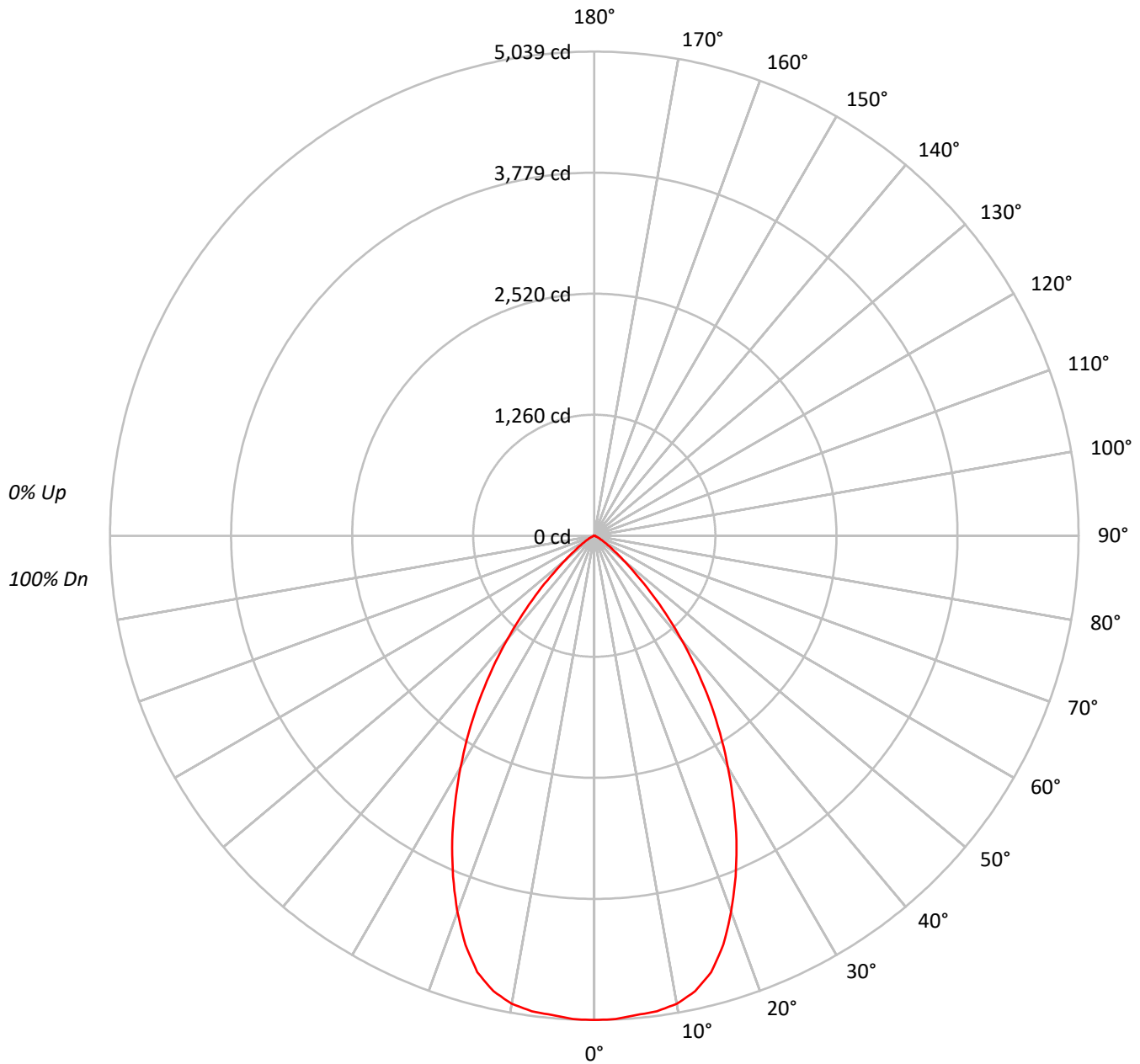


Downlight

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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	105	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	86	82		87	84	81		85	82	80
4	95	87	81	76		93	86	80	76		84	79	75		82	77	74		80	76	73
5	90	81	74	70		88	80	74	69		78	73	69		76	72	68		75	71	68
6	85	75	69	64		83	74	68	64		73	67	63		71	67	63		70	66	62
7	80	70	64	59		79	69	63	59		68	63	59		67	62	58		66	61	58
8	76	66	59	55		75	65	59	55		64	58	54		63	58	54		62	57	54
9	72	61	55	51		71	61	55	51		60	54	51		59	54	50		58	54	50
10	68	58	52	47		67	57	51	47		57	51	47		56	51	47		55	50	47

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	294291
5°	293551
10°	293298
15°	284254
20°	258783
25°	225513
30°	187561
35°	148613
40°	107263
45°	67761
50°	35317
55°	18776
60°	9859
65°	5417
70°	2271
75°	2505
80°	1749
85°	1474

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 67761 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	476.5	8.6
10°-20°	1304.9	23.5
20°-30°	1595.0	28.7
30°-40°	1294.1	23.3
40°-50°	644.9	11.6
50°-60°	179.9	3.2
60°-70°	40.9	0.7
70°-80°	10.6	0.2
80°-90°	2.7	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°	3376.4	60.8
0°-40°	4670.6	84.2
0°-60°	5495.3	99.0
0°-90°	5549.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5549.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5039	
5°	5007	477
15°	4701	1305
25°	3500	1595
35°	2084	1294
45°	820	645
55°	184	180
65°	39	41
75°	11	11
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	5038.9
2.5°	5035.2
5°	5007.1
7.5°	4990.8
10°	4945.6
12.5°	4853.8
15°	4701.2
17.5°	4462.8
20°	4163.7
22.5°	3840.8
25°	3499.5
27.5°	3134.4
30°	2781.2
32.5°	2432.4
35°	2084.4
37.5°	1737.1
40°	1406.9
42.5°	1097.4
45°	820.4
47.5°	571.6
50°	388.7
52.5°	268.0
55°	184.4
57.5°	124.4
60°	84.4
62.5°	58.5
65°	39.2
67.5°	20.0
70°	13.3
72.5°	12.6
75°	11.1
77.5°	7.4
80°	5.2
82.5°	3.7
85°	2.2
87.5°	1.5
90°	0.0



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— 0°-180°







(END OF REPORT)