

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: P751195

Luminaire Tested: LD4D60D010-EU4DR6555659024-4LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P751195
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR6555659024-4LBDP1H
Description: 4 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4517.6 lumens
Efficiency: N/A
Efficacy: 70.1 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
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

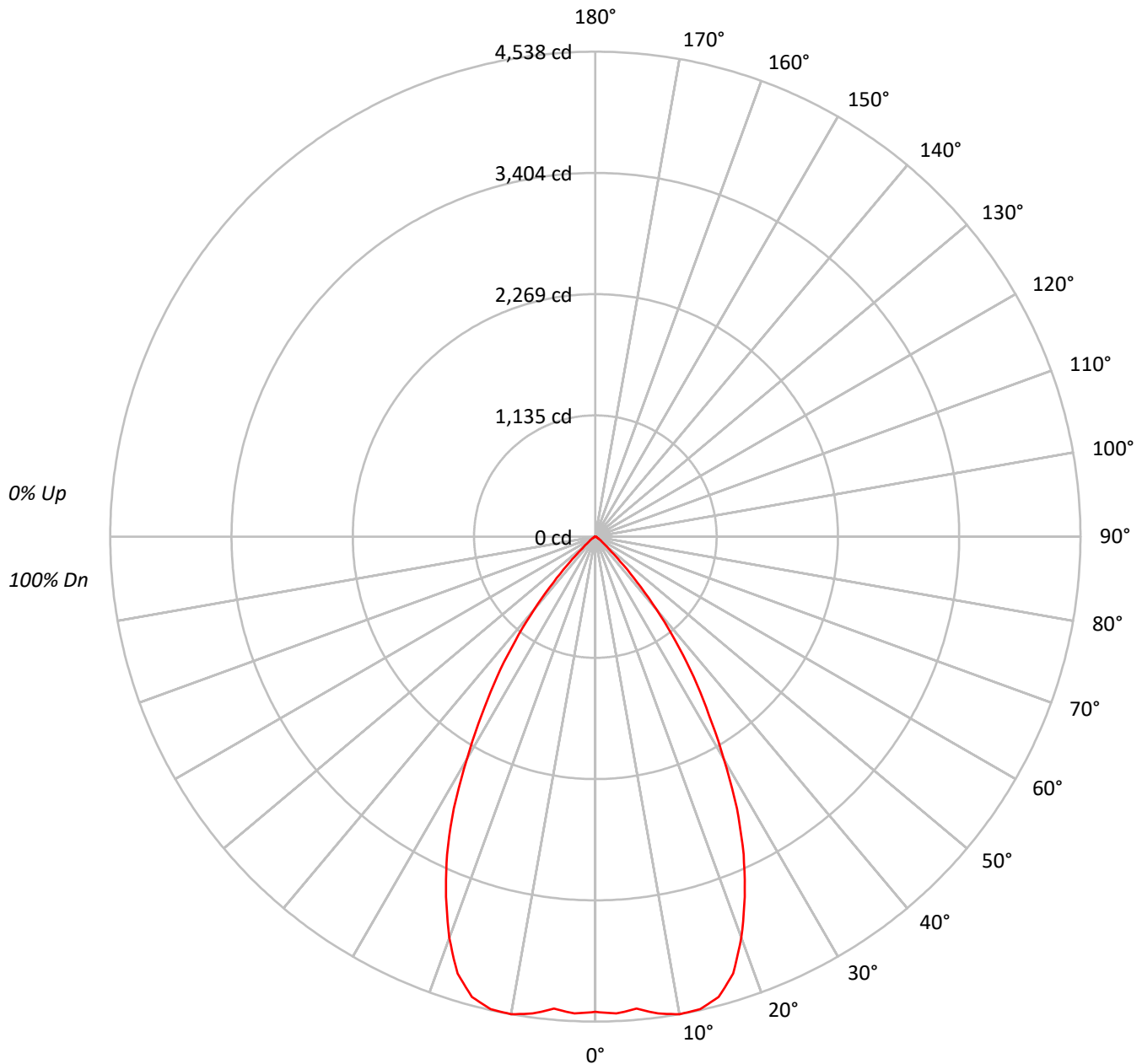


Downlight

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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	111	108	106		111	108	106	104		104	103	101		101	99	98		97	96	95
2	108	103	99	95		106	101	97	94		98	95	92		95	92	90		92	90	88
3	102	96	91	87		100	94	90	86		92	88	85		89	86	83		87	84	82
4	97	89	84	79		95	88	83	79		86	82	78		84	80	77		82	79	76
5	92	83	78	73		90	83	77	73		81	76	72		79	75	72		77	74	71
6	87	78	72	68		86	77	72	68		76	71	67		74	70	67		73	69	66
7	83	73	67	63		81	73	67	63		71	66	62		70	66	62		69	65	62
8	79	69	63	59		77	68	63	59		67	62	58		66	62	58		65	61	58
9	75	65	59	55		74	65	59	55		64	58	55		63	58	55		62	58	54
10	71	61	56	52		70	61	55	52		60	55	51		59	55	51		59	54	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	485981
5°	486379
10°	503507
15°	504346
20°	464336
25°	395628
30°	302868
35°	213973
40°	126299
45°	51269
50°	18579
55°	10363
60°	5944
65°	3258
70°	3418
75°	2660
80°	2769
85°	2382

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 51269 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.3	9.5
10°-20°	1235.5	27.3
20°-30°	1482.3	32.8
30°-40°	996.1	22.1
40°-50°	298.2	6.6
50°-60°	52.6	1.2
60°-70°	15.0	0.3
70°-80°	7.3	0.2
80°-90°	2.3	0.1
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°	3146.0	69.6
0°-40°	4142.2	91.7
0°-60°	4493.0	99.5
0°-90°	4517.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4517.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4448	
5°	4435	428
15°	4459	1235
25°	3282	1482
35°	1604	996
45°	332	298
55°	54	53
65°	13	15
75°	6	7
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	4447.9
2.5°	4466.9
5°	4434.6
7.5°	4501.6
10°	4538.3
12.5°	4529.5
15°	4458.7
17.5°	4285.5
20°	3993.5
22.5°	3649.6
25°	3281.7
27.5°	2866.5
30°	2400.6
32.5°	1978.4
35°	1604.2
37.5°	1234.4
40°	885.5
42.5°	578.3
45°	331.8
47.5°	175.7
50°	109.3
52.5°	75.8
55°	54.4
57.5°	39.2
60°	27.2
62.5°	17.7
65°	12.6
67.5°	11.4
70°	10.7
72.5°	8.2
75°	6.3
77.5°	5.7
80°	4.4
82.5°	3.2
85°	1.9
87.5°	1.3
90°	0.0



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— 0°-180°







(END OF REPORT)