

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: P750989

Luminaire Tested: LD4D60D010-EU4DR5055659030-4LBDP1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750989
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR5055659030-4LBDP1MW
Description: 4 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5936.3 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): 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

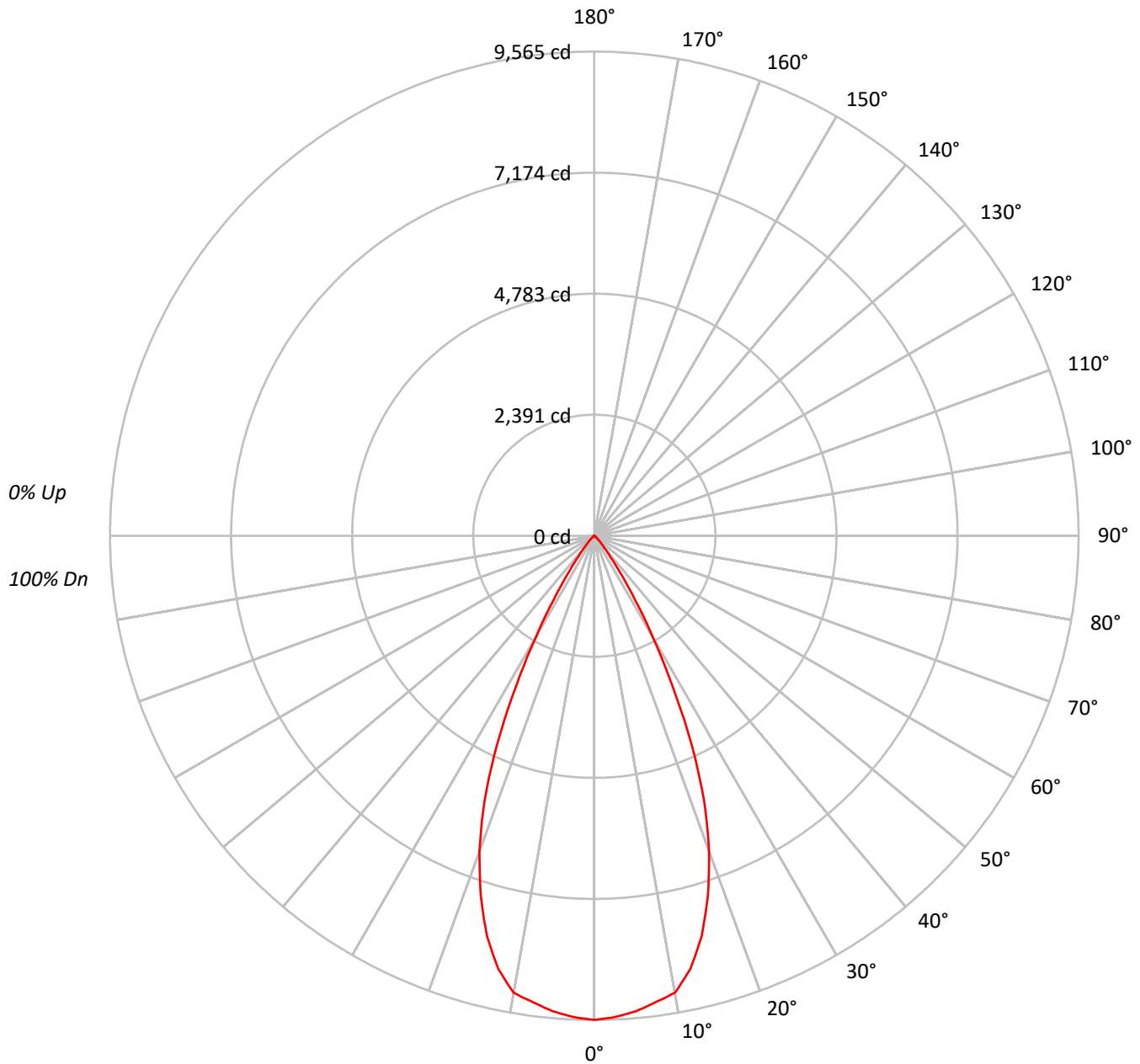


Downlight

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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					0
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	114	112	109	107	112	110	108	106		106	104	102		102	101	99		98	97	97
2	109	105	101	98	107	103	100	97		100	98	95		97	95	93		95	93	91
3	105	99	95	91	103	98	94	90		95	92	89		93	90	88		91	88	86
4	100	94	89	85	99	93	88	85		90	87	84		89	85	83		87	84	82
5	96	89	84	80	95	88	83	79		86	82	79		85	81	78		83	80	77
6	92	84	79	75	91	83	79	75		82	78	74		81	77	74		79	76	74
7	88	80	75	71	87	79	74	71		78	74	71		77	73	70		76	73	70
8	85	76	71	67	84	76	71	67		75	70	67		74	70	67		73	69	66
9	81	73	68	64	80	72	67	64		71	67	64		71	67	64		70	66	63
10	78	70	64	61	77	69	64	61		68	64	61		68	64	61		67	63	60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1045068
5°	1034122
10°	1017089
15°	926141
20°	770657
25°	547047
30°	289558
35°	117990
40°	43816
45°	20056
50°	8227
55°	4305
60°	2120
65°	620
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20056 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	891.2	15.0
10°-20°	2252.3	37.9
20°-30°	2023.1	34.1
30°-40°	633.4	10.7
40°-50°	110.9	1.9
50°-60°	22.1	0.4
60°-70°	3.3	0.1
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°	5166.6	87.0
0°-40°	5800.0	97.7
0°-60°	5933.0	99.9
0°-90°	5936.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5936.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9565	
5°	9429	891
15°	8188	2252
25°	4538	2023
35°	885	633
45°	130	111
55°	23	22
65°	2	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9564.9
2.5°	9517.4
5°	9428.7
7.5°	9293.2
10°	9167.4
12.5°	8764.2
15°	8187.6
17.5°	7455.4
20°	6628.0
22.5°	5670.7
25°	4537.7
27.5°	3336.2
30°	2295.1
32.5°	1494.3
35°	884.6
37.5°	508.0
40°	307.2
42.5°	200.0
45°	129.8
47.5°	79.0
50°	48.4
52.5°	33.1
55°	22.6
57.5°	15.3
60°	9.7
62.5°	5.6
65°	2.4
67.5°	0.8
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)