

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: P751264

Luminaire Tested: LD4D60D010-EU4DR6555659050-4LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P751264
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-EU4DR6555659050-4LBS1H
Description: 4 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5912.1 lumens
Efficiency: N/A
Efficacy: 91.8 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 (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

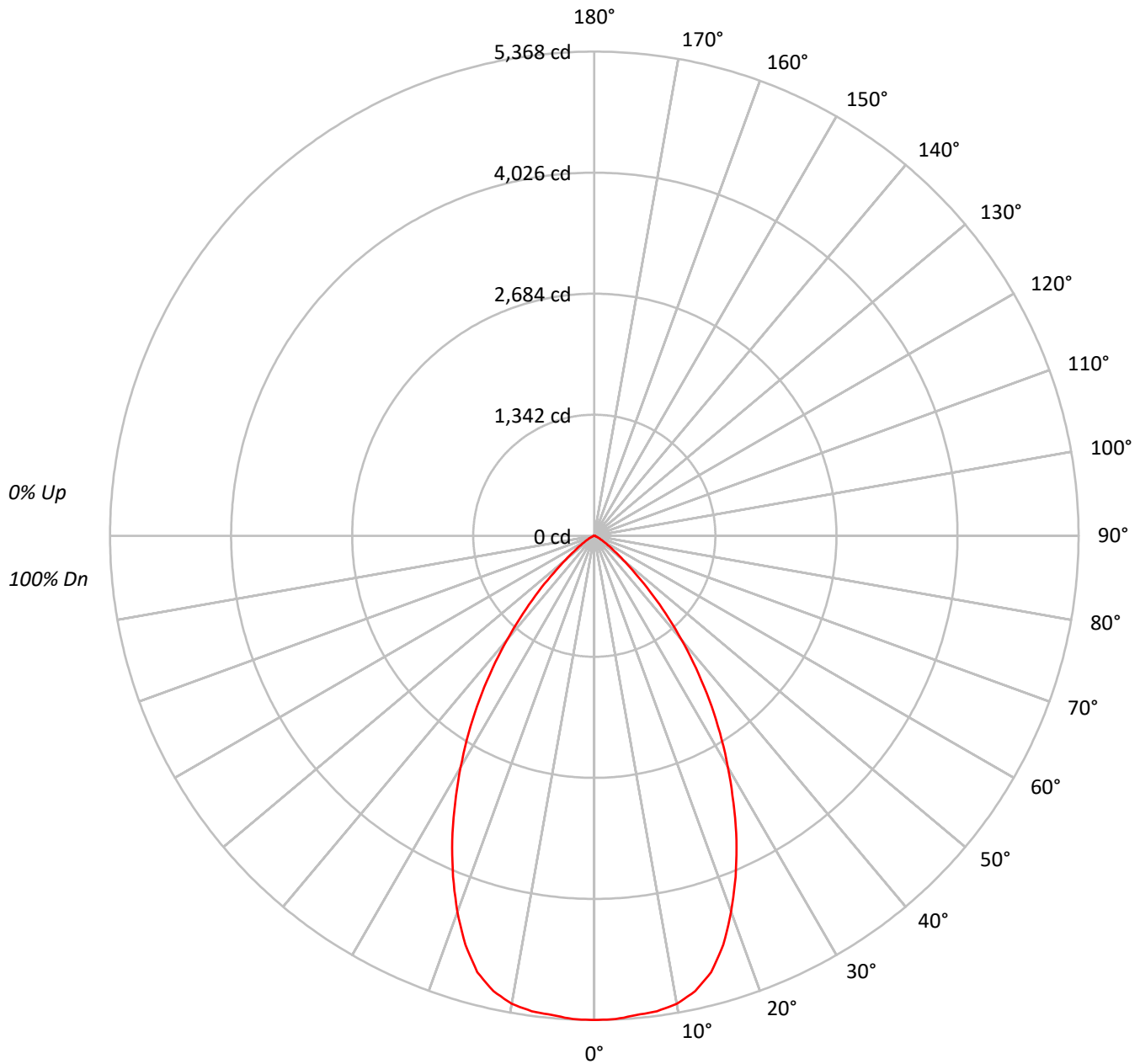


Downlight

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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				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	110	107	105	111	108	105	103	104	102	100		100	99	97		97
2	107	102	97	94	105	100	96	92	97	93	90		94	91	88		91
3	101	94	88	84	99	92	87	83	90	86	82		87	84	81		85
4	95	87	81	76	93	86	80	76	84	79	75		82	77	74		80
5	90	81	74	70	88	80	74	69	78	73	69		76	72	68		75
6	85	75	69	64	83	74	68	64	73	67	63		71	67	63		70
7	80	70	64	59	79	69	63	59	68	63	59		67	62	58		66
8	76	66	59	55	75	65	59	55	64	58	54		63	58	54		62
9	72	61	55	51	71	61	55	51	60	54	51		59	54	50		58
10	68	58	52	47	67	57	51	47	57	51	47		56	51	47		55

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	313518
5°	312728
10°	312459
15°	302829
20°	275688
25°	240245
30°	199815
35°	158324
40°	114270
45°	72189
50°	37625
55°	19998
60°	10501
65°	5777
70°	2425
75°	2663
80°	1850
85°	1608

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 72189 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	507.7	8.6
10°-20°	1390.1	23.5
20°-30°	1699.2	28.7
30°-40°	1378.7	23.3
40°-50°	687.0	11.6
50°-60°	191.6	3.2
60°-70°	43.5	0.7
70°-80°	11.3	0.2
80°-90°	2.9	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°	3597.0	60.8
0°-40°	4975.7	84.2
0°-60°	5854.4	99.0
0°-90°	5912.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5912.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	5368	
5°	5334	508
15°	5008	1390
25°	3728	1699
35°	2221	1379
45°	874	687
55°	196	192
65°	42	44
75°	12	11
85°	2	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	5368.1
2.5°	5364.2
5°	5334.2
7.5°	5316.8
10°	5268.7
12.5°	5170.9
15°	5008.4
17.5°	4754.4
20°	4435.7
22.5°	4091.7
25°	3728.1
27.5°	3339.2
30°	2962.9
32.5°	2591.4
35°	2220.6
37.5°	1850.6
40°	1498.8
42.5°	1169.1
45°	874.0
47.5°	609.0
50°	414.1
52.5°	285.6
55°	196.4
57.5°	132.5
60°	89.9
62.5°	62.3
65°	41.8
67.5°	21.3
70°	14.2
72.5°	13.4
75°	11.8
77.5°	7.9
80°	5.5
82.5°	3.9
85°	2.4
87.5°	1.6
90°	0.0



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— 0°-180°







(END OF REPORT)