

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: P750940

Luminaire Tested: LD4D60D010-EU4DR4555659040-4LBS1LI

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P750940
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D60D010-EU4DR4555659040-4LBS1LI
Description: 4 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7204.5 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
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

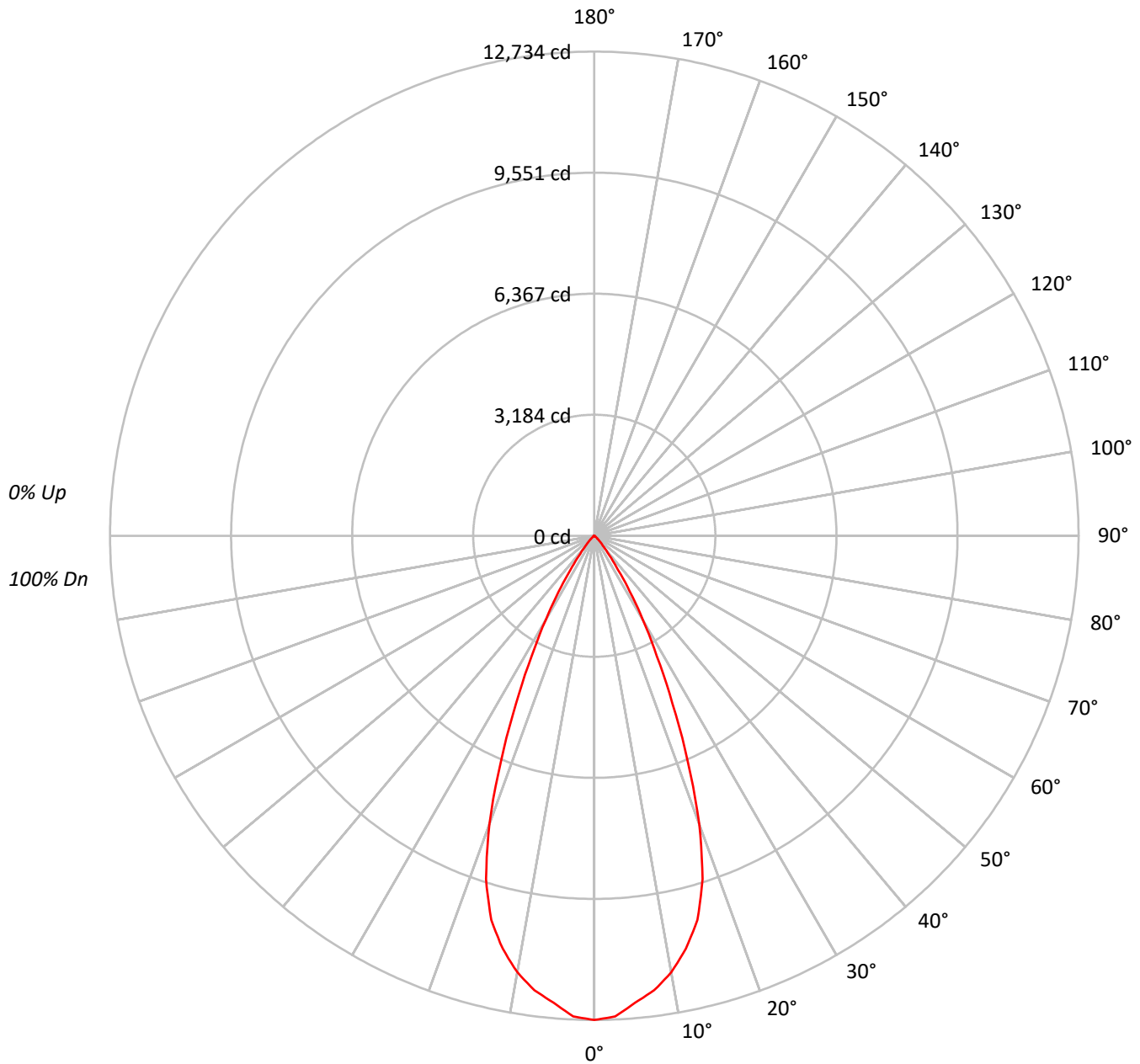


Downlight

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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					0
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			100
1	114	112	110	108	112	110	108	106		106	104	103			102	101	100			95
2	109	105	102	99	107	103	100	98		100	98	95			97	95	93			90
3	105	99	95	91	103	98	94	91		95	92	89			93	90	88			85
4	100	94	89	85	99	93	88	85		91	87	84			89	86	83			81
5	96	89	84	80	95	88	83	80		86	82	79			85	81	79			77
6	92	85	80	76	91	84	79	76		83	78	75			81	77	75			73
7	89	81	75	72	87	80	75	72		79	74	71			78	74	71			69
8	85	77	72	68	84	76	71	68		75	71	68			74	70	67			66
9	82	73	68	65	81	73	68	65		72	68	65			71	67	64			63
10	79	70	65	62	78	70	65	62		69	65	62			68	64	61			60

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1391348
5°	1351739
10°	1293245
15°	1183591
20°	938996
25°	586227
30°	323117
35°	145080
40°	57137
45°	26932
50°	12765
55°	6686
60°	3278
65°	776
70°	319
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26932 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1158.0	16.1
10°-20°	2850.0	39.6
20°-30°	2256.9	31.3
30°-40°	751.6	10.4
40°-50°	149.2	2.1
50°-60°	33.9	0.5
60°-70°	4.9	0.1
70°-80°	0.1	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°	6264.9	87.0
0°-40°	7016.5	97.4
0°-60°	7199.5	99.9
0°-90°	7204.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7204.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12734	
5°	12325	###
15°	10464	2850
25°	4863	2257
35°	1088	752
45°	174	149
55°	35	34
65°	3	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12734.2
2.5°	12651.1
5°	12324.6
7.5°	12055.1
10°	11656.5
12.5°	11125.7
15°	10463.6
17.5°	9468.0
20°	8075.8
22.5°	6417.2
25°	4862.7
27.5°	3560.6
30°	2561.1
32.5°	1741.8
35°	1087.7
37.5°	645.0
40°	400.6
42.5°	263.4
45°	174.3
47.5°	112.2
50°	75.1
52.5°	50.1
55°	35.1
57.5°	23.0
60°	15.0
62.5°	8.0
65°	3.0
67.5°	1.0
70°	1.0
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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Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180°







(END OF REPORT)