

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: P751802

Luminaire Tested: LD4D65D010-EU4DR5055659050-4LBCSSQMB

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P751802
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: LD4D65D010-EU4DR5055659050-4LBCSSQMB
Description: 4 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

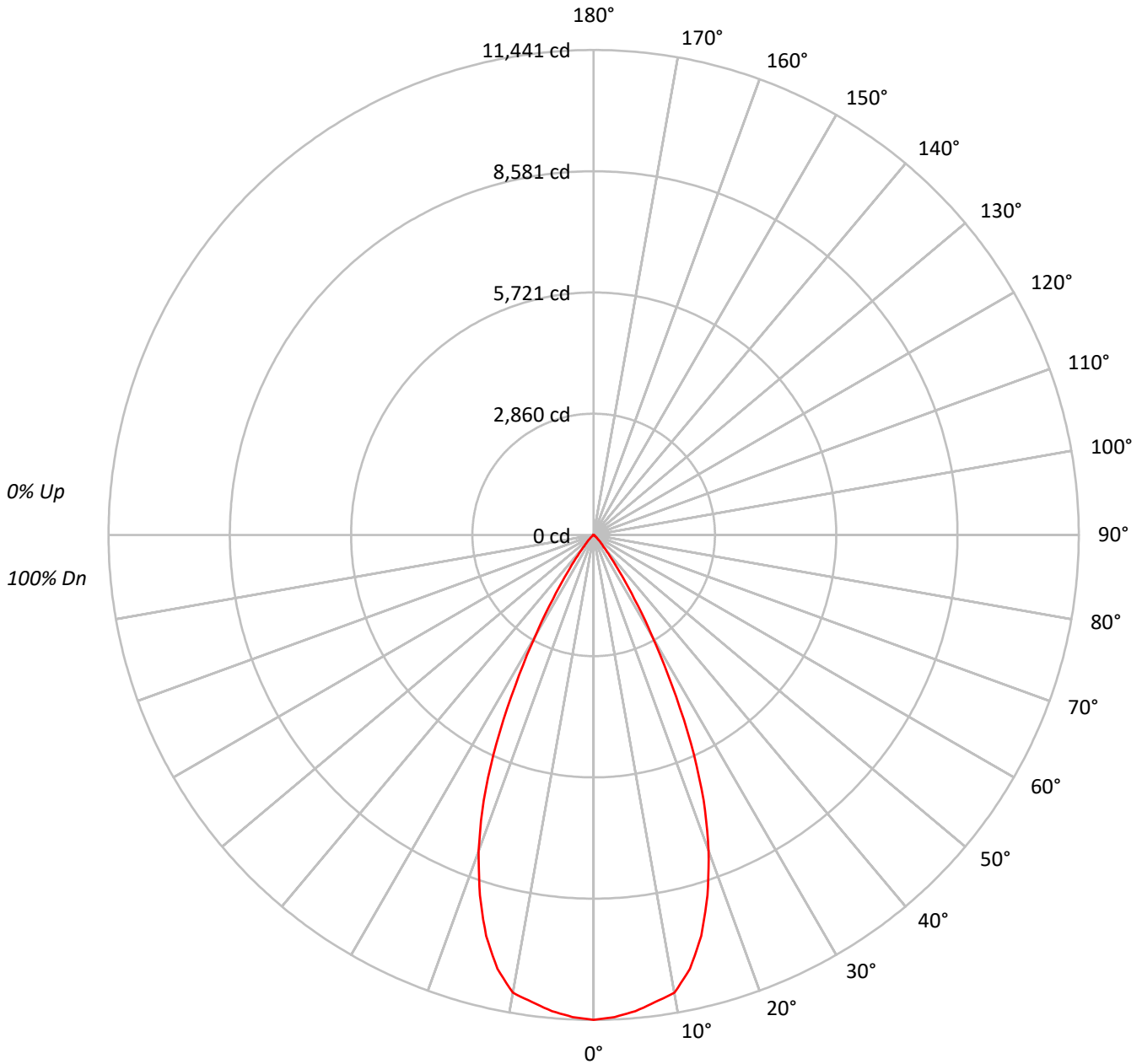
Lumens per Lamp: N/A
Luminaire Lumens: 7100.9 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 72.8
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



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20																		
RC	80									70									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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	102	102	102	100																												
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95																												
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90																												
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85																												
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80																												
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76																												
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72																												
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69																												
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65																												
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62																												
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59																												

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1250096
5°	1236983
10°	1216615
15°	1107826
20°	921835
25°	654365
30°	346357
35°	141146
40°	52416
45°	23997
50°	9842
55°	5143
60°	2535
65°	750
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 23997 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1066.0	15.0
10°-20°	2694.1	37.9
20°-30°	2420.0	34.1
30°-40°	757.7	10.7
40°-50°	132.7	1.9
50°-60°	26.4	0.4
60°-70°	4.0	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°	6180.1	87.0
0°-40°	6937.8	97.7
0°-60°	7096.9	99.9
0°-90°	7100.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7100.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11441	
5°	11278	###
15°	9794	2694
25°	5428	2420
35°	1058	758
45°	155	133
55°	27	26
65°	3	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	11441.4
2.5°	11384.4
5°	11278.3
7.5°	11116.3
10°	10965.8
12.5°	10483.5
15°	9793.8
17.5°	8917.9
20°	7928.2
22.5°	6783.2
25°	5427.9
27.5°	3990.6
30°	2745.3
32.5°	1787.4
35°	1058.2
37.5°	607.7
40°	367.5
42.5°	239.2
45°	155.3
47.5°	94.5
50°	57.9
52.5°	39.5
55°	27.0
57.5°	18.3
60°	11.6
62.5°	6.8
65°	2.9
67.5°	1.0
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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