

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: P751466

Luminaire Tested: LD4D65D010-EU4DR3055659035-4LBCSSQMW

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P751466  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/30/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D65D010-EU4DR3055659035-4LBCSSQMW  
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5997.5 lumens  
Efficiency: N/A  
Efficacy: 82.4 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

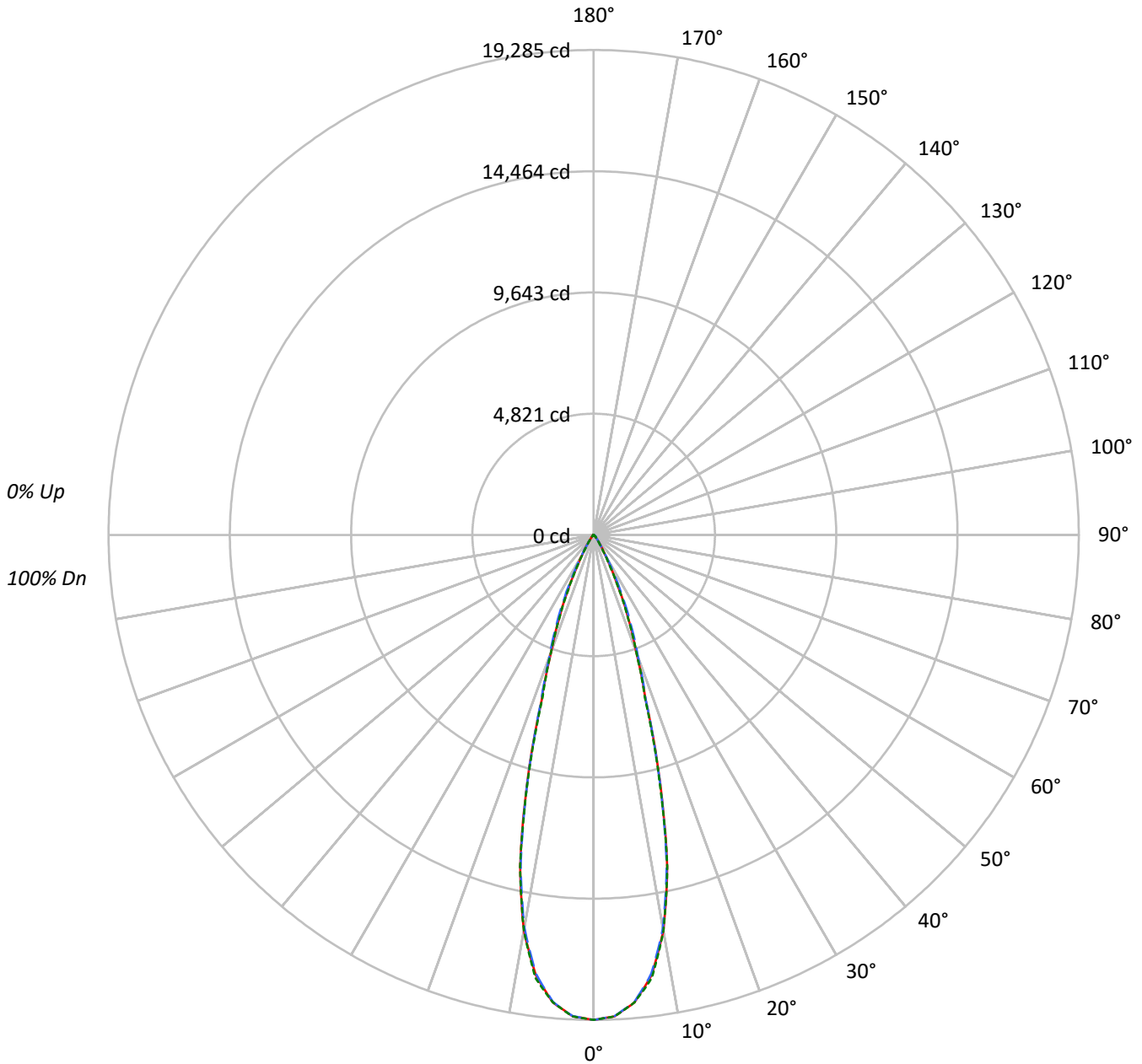
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P751466

CATALOG NUMBER: LD4D65D010-EU4DR3055659035-4LBCSSQMW

### Luminous Intensity Polar Plot





TEST NUMBER: P751466

CATALOG NUMBER: LD4D65D010-EU4DR3055659035-4LBCSSQMW

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
RC	80									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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1476132	1476132	1476132
5°	1433756	1432081	1433832
10°	1241854	1233094	1241559
15°	810249	805891	801842
20°	402897	418015	402359
25°	202948	228860	198793
30°	81261	88535	70796
35°	37685	36097	30257
40°	16277	18066	15328
45°	11474	14246	11583
50°	3942	10372	4168
55°	2269	4297	2402
60°	1592	1883	1592
65°	1032	1032	1032
70°	627	425	627
75°	0	266	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 14246 cd/sqm



TEST NUMBER: P751466

CATALOG NUMBER: LD4D65D010-EU4DR3055659035-4LBCSSQMW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1695.8	28.3
10°-20°	2731.1	45.5
20°-30°	1180.2	19.7
30°-40°	269.0	4.5
40°-50°	92.4	1.5
50°-60°	22.6	0.4
60°-70°	5.9	0.1
70°-80°	0.6	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°	5607.1	93.5
0°-40°	5876.1	98.0
0°-60°	5991.0	99.9
0°-90°	5997.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5997.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	19285	19285	19285	19285	19285	
5°	18660	18642	18638	18677	18661	1697
15°	10225	10102	10170	10137	10119	2738
25°	2403	2494	2710	2430	2354	1150
35°	403	412	386	384	324	274
45°	106	132	132	132	107	75
55°	17	18	32	19	18	17
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P751466

CATALOG NUMBER: LD4D65D010-EU4DR3055659035-4LBCSSQMW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	19284.9	19284.9	19284.9	19284.9	19284.9
2.5°	19157.1	19143.9	19151.4	19160.9	19164.7
5°	18660.0	18642.0	18638.2	18677.1	18661.0
7.5°	17657.3	17631.8	17593.0	17681.0	17763.4
10°	15977.7	15949.3	15865.0	15906.7	15973.9
12.5°	13497.9	13406.1	13404.2	13536.8	13518.8
15°	10224.8	10101.7	10169.8	10136.7	10118.7
17.5°	6875.8	6828.5	6919.4	6891.9	6773.6
20°	4946.2	4958.5	5131.8	5044.7	4939.6
22.5°	3609.3	3653.8	3859.3	3634.9	3552.5
25°	2403.0	2493.9	2709.8	2430.5	2353.8
27.5°	1478.0	1519.7	1738.4	1459.1	1417.4
30°	919.4	898.5	1001.7	859.7	801.0
32.5°	603.1	576.6	609.8	547.3	499.9
35°	403.3	411.9	386.3	383.5	323.8
37.5°	251.9	289.7	255.6	272.7	208.3
40°	162.9	210.2	180.8	199.8	153.4
42.5°	133.5	161.9	148.7	158.1	136.3
45°	106.0	131.6	131.6	131.6	107.0
47.5°	58.7	88.1	112.7	89.9	62.5
50°	33.1	44.5	87.1	46.4	35.0
52.5°	22.7	25.6	59.6	26.5	23.7
55°	17.0	18.0	32.2	18.9	18.0
57.5°	13.3	14.2	17.0	14.2	13.3
60°	10.4	10.4	12.3	11.4	10.4
62.5°	7.6	7.6	8.5	7.6	7.6
65°	5.7	5.7	5.7	5.7	5.7
67.5°	2.8	3.8	3.8	3.8	3.8
70°	2.8	1.9	1.9	1.9	2.8
72.5°	1.9	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	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

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

Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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

Scaled Data Report



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

Scaled Data Report



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

Scaled Data Report



(END OF REPORT)