

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



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: P752099

Luminaire Tested: LD4D65D010-EU4DR7055659035-4LBSQW1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P752099  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD4D65D010-EU4DR7055659035-4LBSQW1B  
Description: 4 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4192.8 lumens  
Efficiency: N/A  
Efficacy: 57.6 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

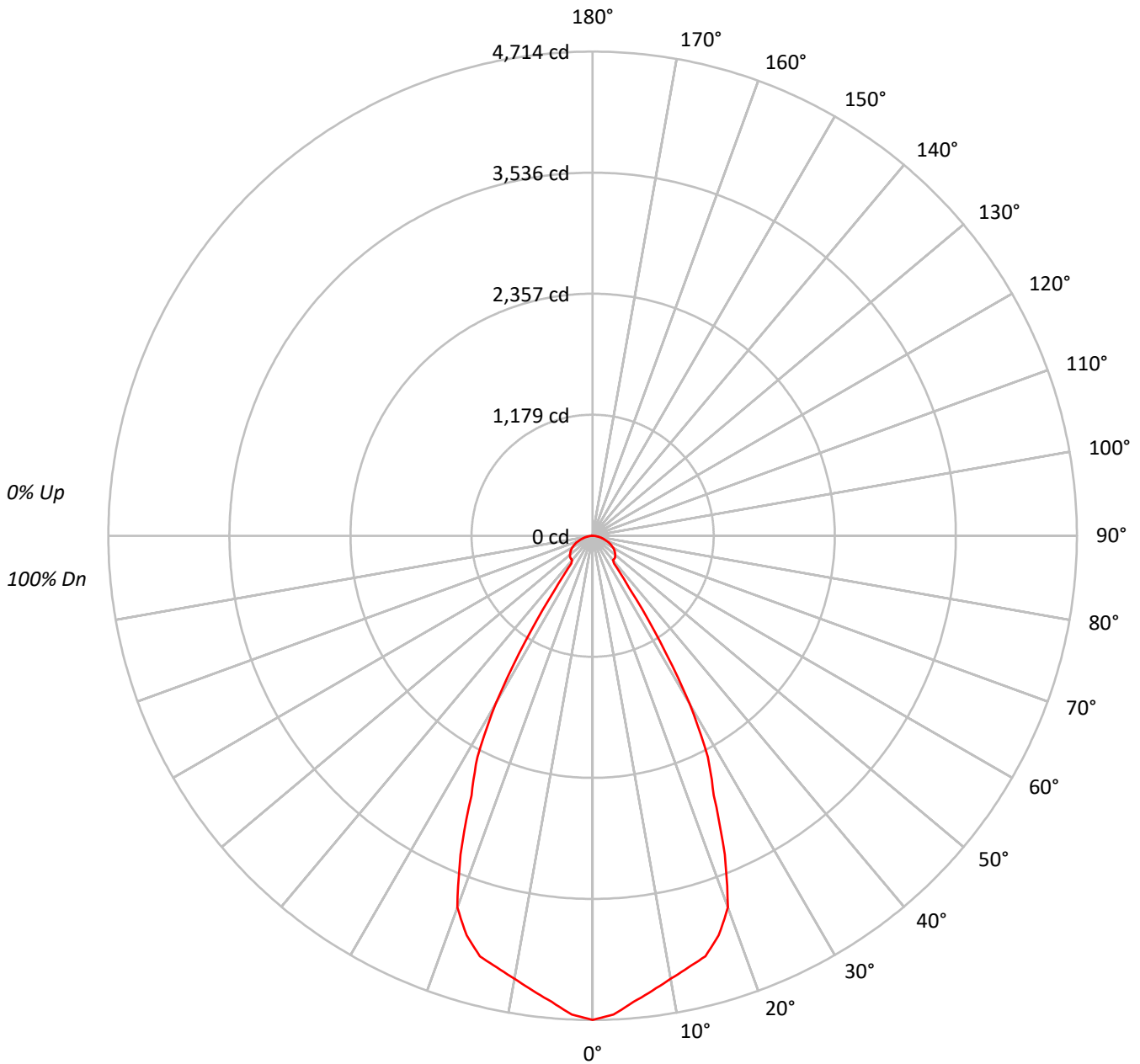
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P752099

CATALOG NUMBER: LD4D65D010-EU4DR7055659035-4LBSQW1B

### Luminous Intensity Polar Plot





TEST NUMBER: P752099

CATALOG NUMBER: LD4D65D010-EU4DR7055659035-4LBSQW1B

**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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

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

	0°
0°	515044
5°	499737
10°	485812
15°	479438
20°	447697
25°	336327
30°	237755
35°	84218
40°	44287
45°	47174
50°	48835
55°	49756
60°	50063
65°	49018
70°	46257
75°	42848
80°	38067
85°	30839

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 50086 cd/sqm



TEST NUMBER: P752099

CATALOG NUMBER: LD4D65D010-EU4DR7055659035-4LBSQW1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	429.8	10.3
10°-20°	1178.8	28.1
20°-30°	1298.3	31.0
30°-40°	496.1	11.8
40°-50°	234.2	5.6
50°-60°	232.9	5.6
60°-70°	186.4	4.4
70°-80°	107.2	2.6
80°-90°	29.1	0.7
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°	2906.9	69.3
0°-40°	3403.0	81.2
0°-60°	3870.1	92.3
0°-90°	4192.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4192.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4714	
5°	4556	430
15°	4238	1179
25°	2790	1298
35°	631	496
45°	305	234
55°	261	233
65°	190	186
75°	102	107
85°	25	29
90°	0	



TEST NUMBER: P752099

CATALOG NUMBER: LD4D65D010-EU4DR7055659035-4LBSQW1B

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4713.9
2.5°	4664.6
5°	4556.4
7.5°	4466.1
10°	4378.8
12.5°	4304.9
15°	4238.5
17.5°	4078.0
20°	3850.4
22.5°	3359.3
25°	2789.8
27.5°	2428.6
30°	1884.5
32.5°	1217.3
35°	631.4
37.5°	341.1
40°	310.5
42.5°	308.2
45°	305.3
47.5°	298.5
50°	287.3
52.5°	274.7
55°	261.2
57.5°	246.3
60°	229.1
62.5°	209.7
65°	189.6
67.5°	167.2
70°	144.8
72.5°	122.4
75°	101.5
77.5°	79.9
80°	60.5
82.5°	42.5
85°	24.6
87.5°	9.7
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

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



— 0°-180°

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)