

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: P750709

Luminaire Tested: LD4D60D010-EU4DR3055659040-4LBSQW1MW

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P750709  
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: LD4D60D010-EU4DR3055659040-4LBSQW1MW  
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5225.2 lumens  
Efficiency: N/A  
Efficacy: 81.1 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

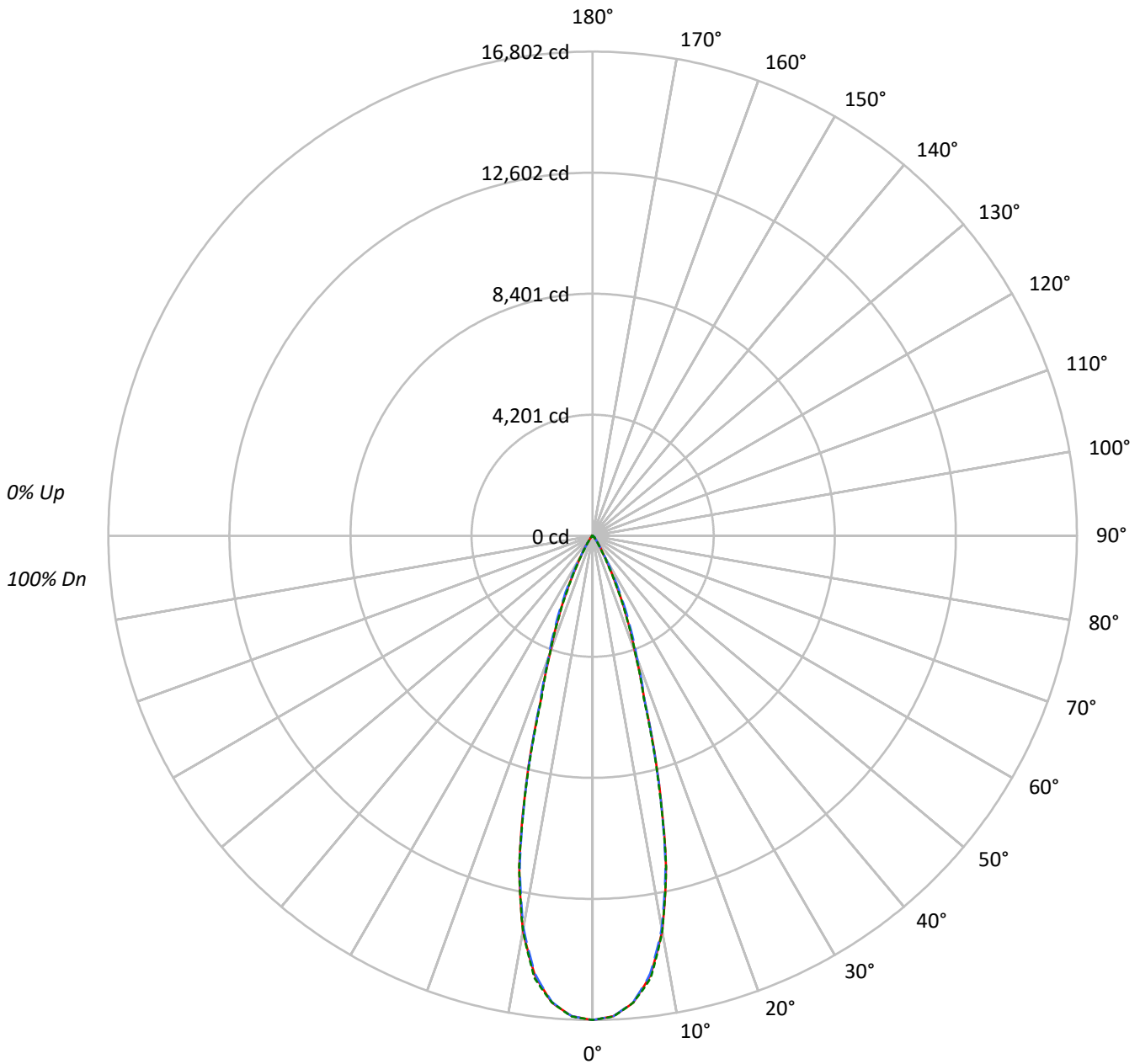
Input Watts (W): 64.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P750709

CATALOG NUMBER: LD4D60D010-EU4DR3055659040-4LBSQW1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P750709

CATALOG NUMBER: LD4D60D010-EU4DR3055659040-4LBSQW1MW

**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°	1286044	1286044	1286044
5°	1249127	1247667	1249188
10°	1081929	1074304	1081672
15°	705910	702114	698587
20°	351017	364181	350545
25°	176818	199393	173195
30°	70796	77133	61684
35°	32836	31453	26360
40°	14179	15747	13349
45°	10002	12416	10089
50°	3441	9038	3632
55°	1975	3737	2095
60°	1393	1638	1393
65°	887	887	887
70°	559	358	559
75°	0	237	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 12416 cd/sqm



TEST NUMBER: P750709

CATALOG NUMBER: LD4D60D010-EU4DR3055659040-4LBSQW1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1477.4	28.3
10°-20°	2379.4	45.5
20°-30°	1028.2	19.7
30°-40°	234.4	4.5
40°-50°	80.5	1.5
50°-60°	19.7	0.4
60°-70°	5.1	0.1
70°-80°	0.5	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°	4885.1	93.5
0°-40°	5119.4	98.0
0°-60°	5219.6	99.9
0°-90°	5225.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5225.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	16802	16802	16802	16802	16802	
5°	16257	16241	16238	16272	16258	1479
15°	8908	8801	8860	8831	8816	2385
25°	2094	2173	2361	2118	2051	1002
35°	351	359	337	334	282	238
45°	92	115	115	115	93	66
55°	15	16	28	16	16	14
65°	5	5	5	5	5	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P750709

CATALOG NUMBER: LD4D60D010-EU4DR3055659040-4LBSQW1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	16801.5	16801.5	16801.5	16801.5	16801.5
2.5°	16690.1	16678.6	16685.2	16693.4	16696.7
5°	16257.1	16241.4	16238.1	16271.9	16257.9
7.5°	15383.5	15361.2	15327.4	15404.1	15475.9
10°	13920.1	13895.4	13822.0	13858.3	13916.8
12.5°	11759.7	11679.7	11678.1	11793.6	11777.9
15°	8908.1	8800.8	8860.2	8831.3	8815.7
17.5°	5990.4	5949.2	6028.3	6004.4	5901.3
20°	4309.3	4320.0	4470.9	4395.1	4303.5
22.5°	3144.5	3183.3	3362.3	3166.8	3095.0
25°	2093.6	2172.8	2360.9	2117.5	2050.7
27.5°	1287.7	1324.0	1514.5	1271.2	1234.9
30°	801.0	782.8	872.7	749.0	697.9
32.5°	525.5	502.4	531.2	476.8	435.5
35°	351.4	358.8	336.6	334.1	282.1
37.5°	219.4	252.4	222.7	237.6	181.5
40°	141.9	183.1	157.6	174.1	133.6
42.5°	116.3	141.1	129.5	137.8	118.8
45°	92.4	114.7	114.7	114.7	93.2
47.5°	51.1	76.7	98.2	78.4	54.4
50°	28.9	38.8	75.9	40.4	30.5
52.5°	19.8	22.3	52.0	23.1	20.6
55°	14.8	15.7	28.0	16.5	15.7
57.5°	11.5	12.4	14.8	12.4	11.5
60°	9.1	9.1	10.7	9.9	9.1
62.5°	6.6	6.6	7.4	6.6	6.6
65°	4.9	4.9	4.9	4.9	4.9
67.5°	2.5	3.3	3.3	3.3	3.3
70°	2.5	1.6	1.6	1.6	2.5
72.5°	1.6	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.8	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)