

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: P750696

Luminaire Tested: LD4D60D010-EU4DR3055659035-4LBSQW1MW

Issue Date: 1/30/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P750696  
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-EU4DR3055659035-4LBSQW1MW  
Description: 4 INCH SQAURE DEEP 45° CUTOFF 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: 4991.8 lumens  
Efficiency: N/A  
Efficacy: 77.5 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

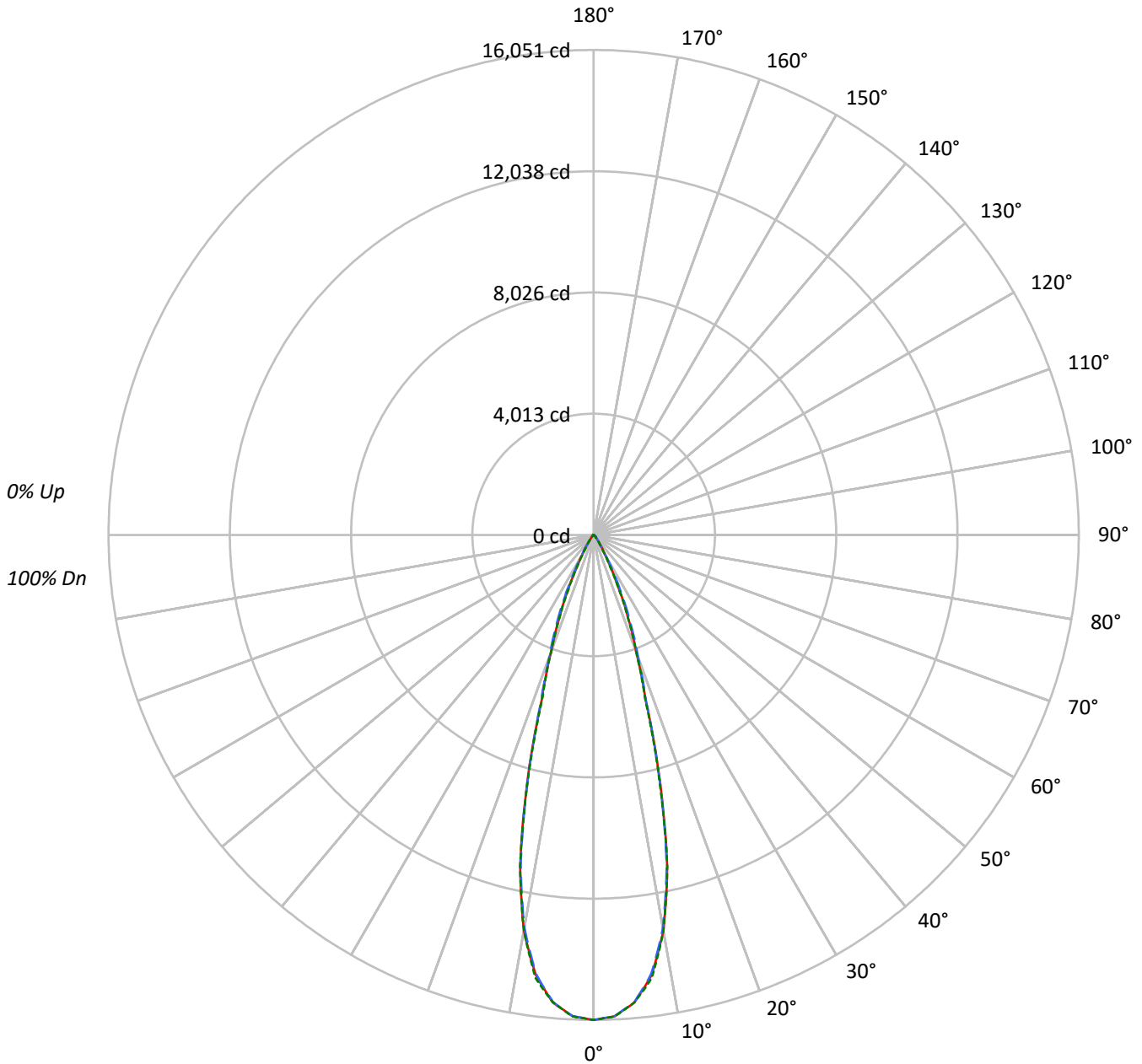
Input Watts (W): 64.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P750696

CATALOG NUMBER: LD4D60D010-EU4DR3055659035-4LBSQW1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P750696

CATALOG NUMBER: LD4D60D010-EU4DR3055659035-4LBSQW1MW

**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°	1228606	1228606	1228606
5°	1193336	1191938	1193398
10°	1033608	1026317	1033367
15°	674378	670757	667381
20°	335337	347922	334889
25°	168921	190483	165458
30°	67632	73695	58926
35°	31369	30042	25183
40°	13539	15038	12760
45°	9558	11853	9645
50°	3287	8633	3477
55°	1895	3576	2002
60°	1332	1561	1332
65°	851	851	851
70°	537	358	537
75°	0	237	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 11853 cd/sqm



TEST NUMBER: P750696

CATALOG NUMBER: LD4D60D010-EU4DR3055659035-4LBSQW1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1411.4	28.3
10°-20°	2273.2	45.5
20°-30°	982.3	19.7
30°-40°	223.9	4.5
40°-50°	76.9	1.5
50°-60°	18.8	0.4
60°-70°	4.9	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°	4666.9	93.5
0°-40°	4890.8	98.0
0°-60°	4986.4	99.9
0°-90°	4991.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4991.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	16051	16051	16051	16051	16051	
5°	15531	15516	15513	15545	15532	1413
15°	8510	8408	8464	8437	8422	2279
25°	2000	2076	2255	2023	1959	957
35°	336	343	322	319	270	228
45°	88	110	110	110	89	63
55°	14	15	27	16	15	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: P750696

CATALOG NUMBER: LD4D60D010-EU4DR3055659035-4LBSQW1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	16051.1	16051.1	16051.1	16051.1	16051.1
2.5°	15944.7	15933.7	15940.0	15947.8	15951.0
5°	15531.0	15516.0	15512.8	15545.1	15531.8
7.5°	14696.4	14675.1	14642.8	14716.1	14784.7
10°	13298.4	13274.8	13204.6	13239.3	13295.3
12.5°	11234.5	11158.1	11156.5	11266.8	11251.8
15°	8510.2	8407.7	8464.5	8436.9	8421.9
17.5°	5722.8	5683.4	5759.1	5736.2	5637.7
20°	4116.8	4127.0	4271.3	4198.8	4111.3
22.5°	3004.1	3041.1	3212.1	3025.3	2956.8
25°	2000.1	2075.7	2255.4	2022.9	1959.1
27.5°	1230.2	1264.8	1446.9	1214.4	1179.7
30°	765.2	747.9	833.8	715.6	666.7
32.5°	502.0	479.9	507.5	455.5	416.1
35°	335.7	342.8	321.5	319.2	269.5
37.5°	209.6	241.1	212.8	227.0	173.4
40°	135.5	174.9	150.5	166.3	127.7
42.5°	111.1	134.8	123.7	131.6	113.5
45°	88.3	109.5	109.5	109.5	89.1
47.5°	48.9	73.3	93.8	74.9	52.0
50°	27.6	37.0	72.5	38.6	29.2
52.5°	18.9	21.3	49.6	22.1	19.7
55°	14.2	15.0	26.8	15.8	15.0
57.5°	11.0	11.8	14.2	11.8	11.0
60°	8.7	8.7	10.2	9.5	8.7
62.5°	6.3	6.3	7.1	6.3	6.3
65°	4.7	4.7	4.7	4.7	4.7
67.5°	2.4	3.2	3.2	3.2	3.2
70°	2.4	1.6	1.6	1.6	2.4
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)