

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: P767187

Luminaire Tested: LD6D50D010-EU6DR3040509030-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P767187  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D50D010-EU6DR3040509030-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4728.2 lumens  
Efficiency: N/A  
Efficacy: 100.6 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

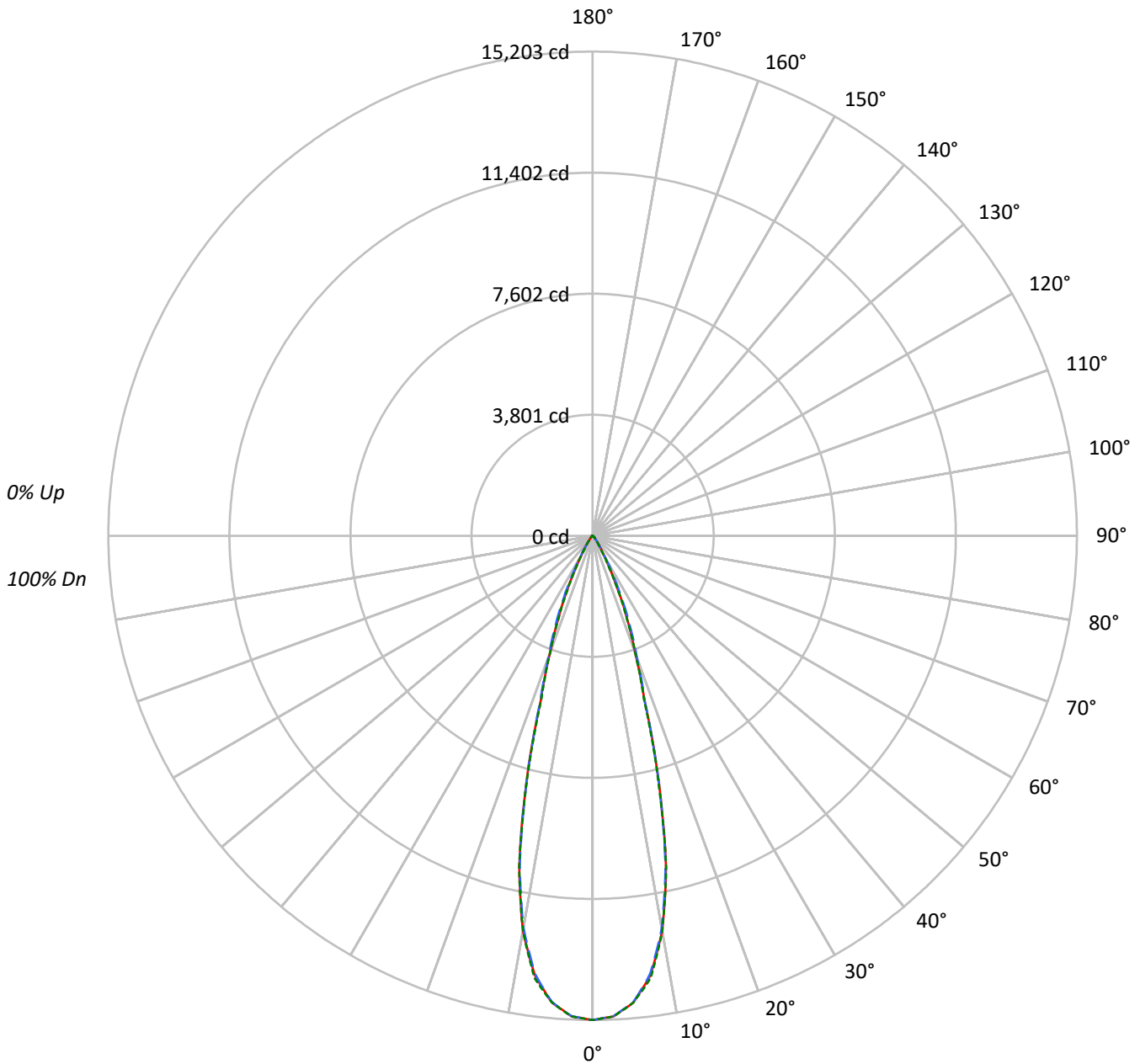
Input Watts (W): 47  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P767187

CATALOG NUMBER: LD6D50D010-EU6DR3040509030-6LBSQW1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P767187

CATALOG NUMBER: LD6D50D010-EU6DR3040509030-6LBSQW1MW

**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	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°	1163720	1163720	1163720
5°	1130308	1128994	1130370
10°	979022	972120	978789
15°	638766	635335	632142
20°	317629	329546	317205
25°	160002	180424	156717
30°	64061	69797	55815
35°	29715	28453	23856
40°	12830	14249	12080
45°	9050	11236	9125
50°	3108	8181	3287
55°	1788	3390	1895
60°	1255	1485	1255
65°	815	815	815
70°	492	336	492
75°	0	207	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 11236 cd/sqm



TEST NUMBER: P767187

CATALOG NUMBER: LD6D50D010-EU6DR3040509030-6LBSQW1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1336.9	28.3
10°-20°	2153.1	45.5
20°-30°	930.4	19.7
30°-40°	212.1	4.5
40°-50°	72.8	1.5
50°-60°	17.8	0.4
60°-70°	4.6	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°	4420.4	93.5
0°-40°	4632.5	98.0
0°-60°	4723.1	99.9
0°-90°	4728.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4728.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	15203	15203	15203	15203	15203	
5°	14711	14697	14694	14724	14712	1338
15°	8061	7964	8018	7991	7977	2158
25°	1894	1966	2136	1916	1856	907
35°	318	325	304	302	255	216
45°	84	104	104	104	84	59
55°	13	14	25	15	14	13
65°	4	4	4	4	4	4
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P767187

CATALOG NUMBER: LD6D50D010-EU6DR3040509030-6LBSQW1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	15203.4	15203.4	15203.4	15203.4	15203.4
2.5°	15102.6	15092.2	15098.1	15105.6	15108.6
5°	14710.7	14696.6	14693.6	14724.2	14711.5
7.5°	13920.3	13900.1	13869.5	13938.9	14003.9
10°	12596.1	12573.7	12507.3	12540.1	12593.1
12.5°	10641.2	10568.8	10567.3	10671.8	10657.6
15°	8060.8	7963.7	8017.5	7991.3	7977.2
17.5°	5420.6	5383.3	5454.9	5433.3	5340.0
20°	3899.4	3909.1	4045.7	3977.0	3894.2
22.5°	2845.4	2880.5	3042.5	2865.6	2800.6
25°	1894.5	1966.1	2136.3	1916.1	1855.6
27.5°	1165.2	1198.0	1370.5	1150.3	1117.4
30°	724.8	708.4	789.7	677.8	631.5
32.5°	475.5	454.6	480.7	431.4	394.1
35°	318.0	324.7	304.5	302.3	255.3
37.5°	198.6	228.4	201.5	215.0	164.2
40°	128.4	165.7	142.6	157.5	120.9
42.5°	105.2	127.6	117.2	124.7	107.5
45°	83.6	103.8	103.8	103.8	84.3
47.5°	46.3	69.4	88.8	70.9	49.3
50°	26.1	35.1	68.7	36.6	27.6
52.5°	17.9	20.2	47.0	20.9	18.7
55°	13.4	14.2	25.4	14.9	14.2
57.5°	10.5	11.2	13.4	11.2	10.5
60°	8.2	8.2	9.7	9.0	8.2
62.5°	6.0	6.0	6.7	6.0	6.0
65°	4.5	4.5	4.5	4.5	4.5
67.5°	2.2	3.0	3.0	3.0	3.0
70°	2.2	1.5	1.5	1.5	2.2
72.5°	1.5	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.7	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)