

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: P767122

Luminaire Tested: LD6D50D010-EU6DR2540509035-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P767122  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D50D010-EU6DR2540509035-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 25° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

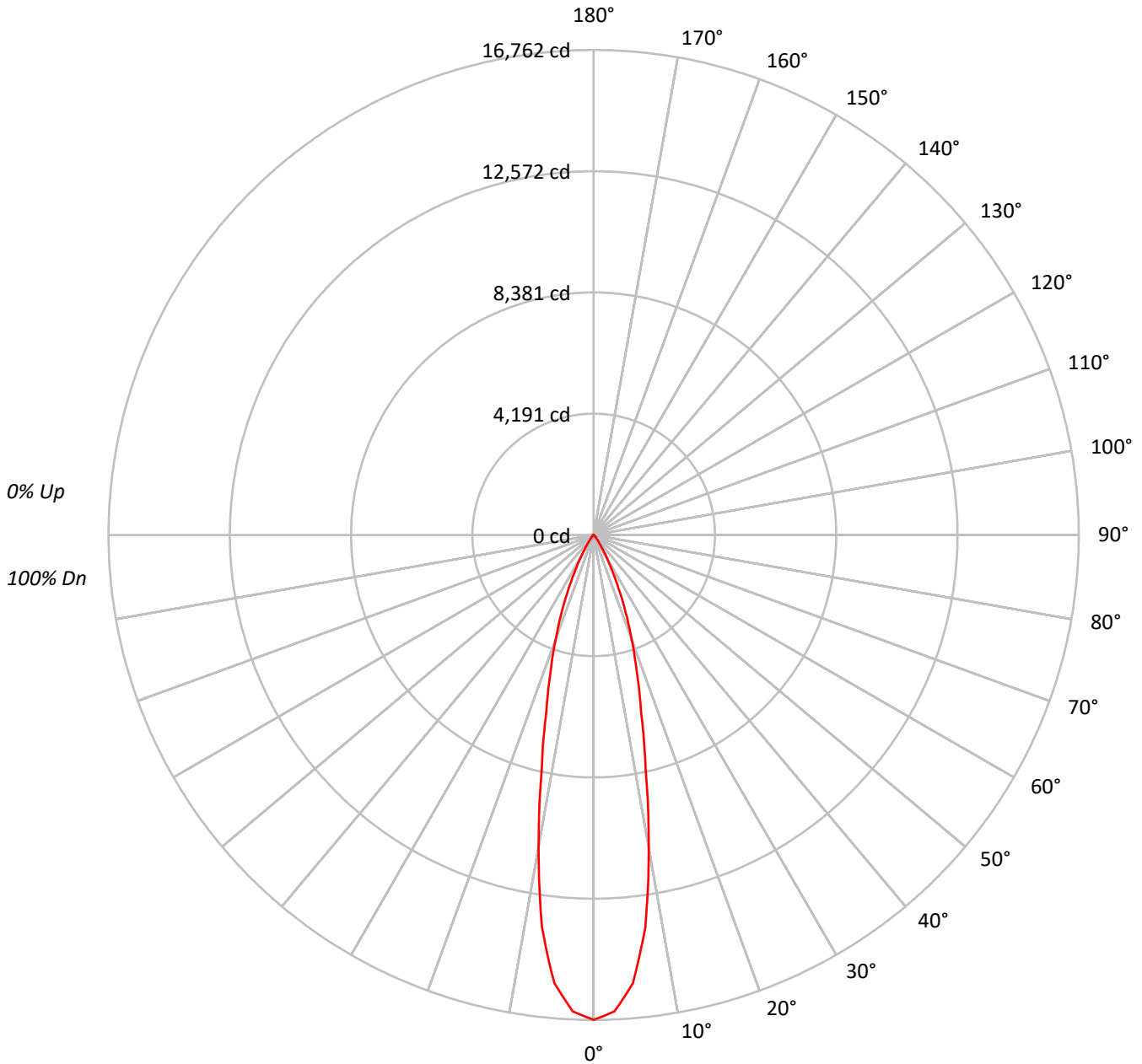
Lumens per Lamp: N/A  
Luminaire Lumens: 4419.4 lumens  
Efficiency: N/A  
Efficacy: 94.0 lumens/watt  
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

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: P767122  
CATALOG NUMBER: LD6D50D010-EU6DR2540509035-6LBSQW1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P767122

CATALOG NUMBER: LD6D50D010-EU6DR2540509035-6LBSQW1MW

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

RF	20				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	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	97	93	90	102	96	93	90	94	91	89		93	90	88		91	89	87	85
5	100	93	89	86	98	93	89	86	91	87	85		89	86	84		88	85	83	82
6	97	90	85	82	95	89	85	82	88	84	81		87	83	81		85	83	80	79
7	93	87	82	79	92	86	82	79	85	81	78		84	80	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°
0°	1831396
5°	1705714
10°	1216737
15°	716607
20°	445883
25°	244704
30°	111907
35°	42376
40°	19198
45°	11542
50°	4793
55°	3086
60°	2163
65°	1448
70°	224
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 11542 cd/sqm



TEST NUMBER: P767122

CATALOG NUMBER: LD6D50D010-EU6DR2540509035-6LBSQW1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1336.6	30.2
10°-20°	1810.3	41.0
20°-30°	958.0	21.7
30°-40°	236.5	5.4
40°-50°	57.7	1.3
50°-60°	15.2	0.3
60°-70°	5.1	0.1
70°-80°	0.1	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°	4104.8	92.9
0°-40°	4341.3	98.2
0°-60°	4414.2	99.9
0°-90°	4419.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4419.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	16762	
5°	15552	###
15°	6335	1810
25°	2030	958
35°	318	236
45°	75	58
55°	16	15
65°	6	5
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P767122

CATALOG NUMBER: LD6D50D010-EU6DR2540509035-6LBSQW1MW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	16761.7
2.5°	16486.2
5°	15552.0
7.5°	13675.1
10°	10966.9
12.5°	8290.3
15°	6335.2
17.5°	4937.4
20°	3834.8
22.5°	2875.9
25°	2029.8
27.5°	1361.2
30°	887.0
32.5°	539.7
35°	317.7
37.5°	194.5
40°	134.6
42.5°	102.9
45°	74.7
47.5°	45.1
50°	28.2
52.5°	20.4
55°	16.2
57.5°	12.7
60°	9.9
62.5°	7.7
65°	5.6
67.5°	2.1
70°	0.7
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)