

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: P767823

Luminaire Tested: LD6D50D010-EU6DR7040509035-6LBSQW1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P767823  
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: LD6D50D010-EU6DR7040509035-6LBSQW1B  
Description: 6 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: 3628.6 lumens  
Efficiency: N/A  
Efficacy: 77.2 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

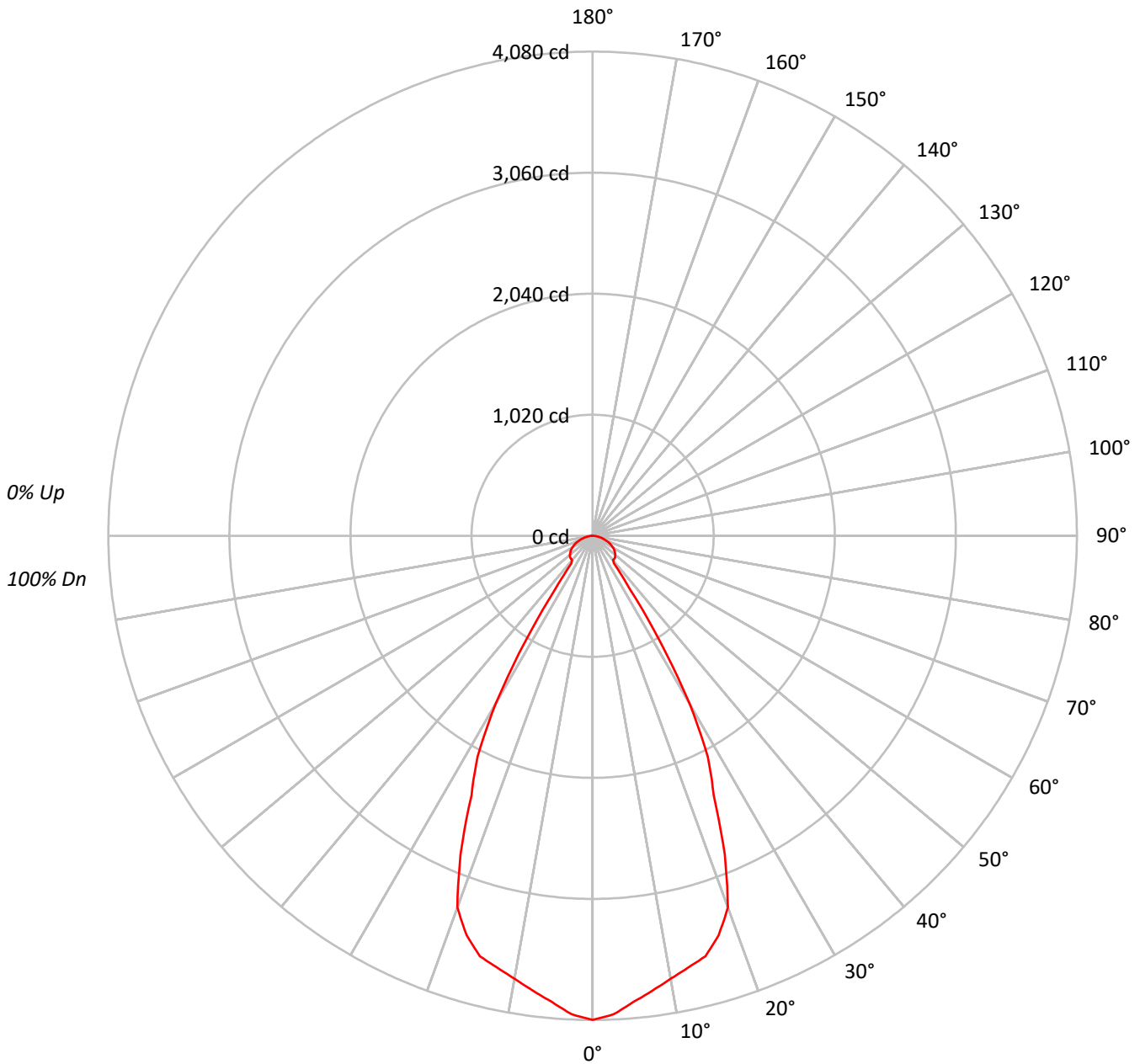
Input Watts (W): 47  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P767823

CATALOG NUMBER: LD6D50D010-EU6DR7040509035-6LBSQW1B

### Luminous Intensity Polar Plot





TEST NUMBER: P767823

CATALOG NUMBER: LD6D50D010-EU6DR7040509035-6LBSQW1B

**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°	445740
5°	432494
10°	420442
15°	414929
20°	387456
25°	291070
30°	205760
35°	72880
40°	38325
45°	40824
50°	42274
55°	43070
60°	43333
65°	42425
70°	40028
75°	37065
80°	32908
85°	26702

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 43355 cd/sqm



TEST NUMBER: P767823

CATALOG NUMBER: LD6D50D010-EU6DR7040509035-6LBSQW1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	371.9	10.3
10°-20°	1020.2	28.1
20°-30°	1123.6	31.0
30°-40°	429.3	11.8
40°-50°	202.7	5.6
50°-60°	201.5	5.6
60°-70°	161.4	4.4
70°-80°	92.7	2.6
80°-90°	25.2	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°	2515.8	69.3
0°-40°	2945.1	81.2
0°-60°	3349.4	92.3
0°-90°	3628.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3628.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4080	
5°	3943	372
15°	3668	1020
25°	2414	1124
35°	546	429
45°	264	203
55°	226	202
65°	164	161
75°	88	93
85°	21	25
90°	0	



TEST NUMBER: P767823

CATALOG NUMBER: LD6D50D010-EU6DR7040509035-6LBSQW1B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4079.6
2.5°	4037.0
5°	3943.3
7.5°	3865.2
10°	3789.6
12.5°	3725.7
15°	3668.2
17.5°	3529.3
20°	3332.3
22.5°	2907.3
25°	2414.4
27.5°	2101.8
30°	1630.9
32.5°	1053.5
35°	546.4
37.5°	295.2
40°	268.7
42.5°	266.8
45°	264.2
47.5°	258.4
50°	248.7
52.5°	237.7
55°	226.1
57.5°	213.2
60°	198.3
62.5°	181.5
65°	164.1
67.5°	144.7
70°	125.3
72.5°	105.9
75°	87.8
77.5°	69.1
80°	52.3
82.5°	36.8
85°	21.3
87.5°	8.4
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)