

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: P768590

Luminaire Tested: LD6D55D010-EU6DR7055659030-6LBSQW1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P768590  
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: LD6D55D010-EU6DR7055659030-6LBSQW1B  
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4059.8 lumens  
Efficiency: N/A  
Efficacy: 69.8 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

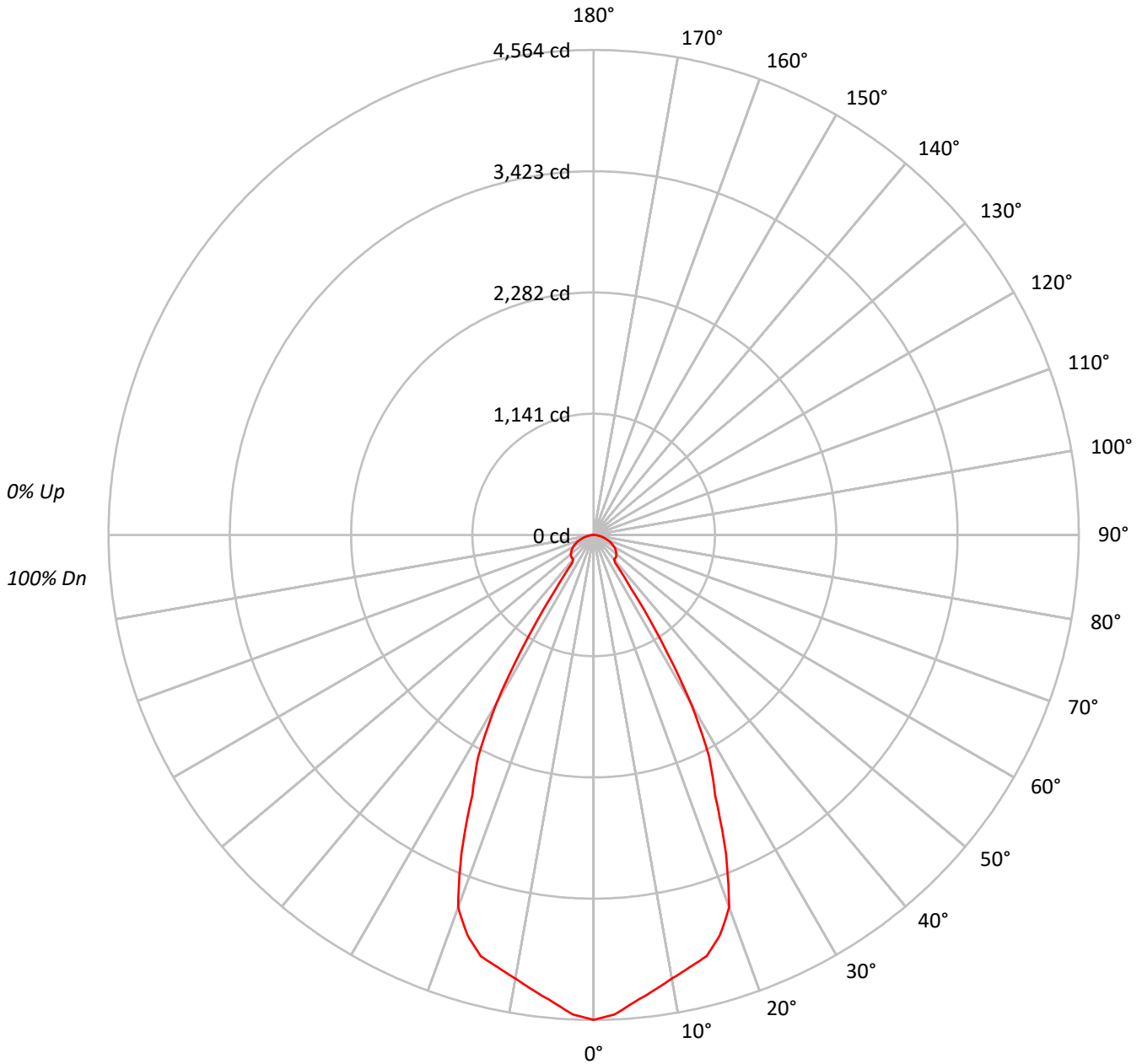
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P768590

CATALOG NUMBER: LD6D55D010-EU6DR7055659030-6LBSQW1B

### Luminous Intensity Polar Plot





TEST NUMBER: P768590

CATALOG NUMBER: LD6D55D010-EU6DR7055659030-6LBSQW1B

**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	50	30	10	0													
RCR	0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100	100	100													
	1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91	91	91	91	91	91													
	2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83	83	83	83	83	83													
	3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76	76	76	76	76	76													
	4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70	70	70	70	70	70													
	5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65	65	65	65	65	65													
	6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61	61	61	61	61	61													
	7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57	57	57	57	57	57													
	8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53	53	53	53	53	53													
	9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50	50	50	50	50	50													
	10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48	48	48	48	48	48													

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	498699
5°	483889
10°	470401
15°	464224
20°	433488
25°	325658
30°	230210
35°	81550
40°	42875
45°	45676
50°	47288
55°	48175
60°	48490
65°	47467
70°	44788
75°	41497
80°	36809
85°	29836

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 48499 cd/sqm



TEST NUMBER: P768590

CATALOG NUMBER: LD6D55D010-EU6DR7055659030-6LBSQW1B

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	416.1	10.3
10°-20°	1141.4	28.1
20°-30°	1257.1	31.0
30°-40°	480.3	11.8
40°-50°	226.8	5.6
50°-60°	225.5	5.6
60°-70°	180.5	4.4
70°-80°	103.7	2.6
80°-90°	28.2	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°	2814.7	69.3
0°-40°	3295.0	81.2
0°-60°	3747.3	92.3
0°-90°	4059.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4059.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4564	
5°	4412	416
15°	4104	1141
25°	2701	1257
35°	611	480
45°	296	227
55°	253	225
65°	184	181
75°	98	104
85°	24	28
90°	0	



TEST NUMBER: P768590

CATALOG NUMBER: LD6D55D010-EU6DR7055659030-6LBSQW1B

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4564.3
2.5°	4516.6
5°	4411.9
7.5°	4324.4
10°	4239.9
12.5°	4168.3
15°	4104.0
17.5°	3948.6
20°	3728.2
22.5°	3252.7
25°	2701.3
27.5°	2351.5
30°	1824.7
32.5°	1178.7
35°	611.4
37.5°	330.3
40°	300.6
42.5°	298.5
45°	295.6
47.5°	289.1
50°	278.2
52.5°	265.9
55°	252.9
57.5°	238.5
60°	221.9
62.5°	203.1
65°	183.6
67.5°	161.9
70°	140.2
72.5°	118.5
75°	98.3
77.5°	77.3
80°	58.5
82.5°	41.2
85°	23.8
87.5°	9.4
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)