

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P770034

Luminaire Tested: LD6D65D010-EU6DR6055659050-6LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770034  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D65D010-EU6DR6055659050-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7604.6 lumens  
Efficiency: N/A  
Efficacy: 104.5 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

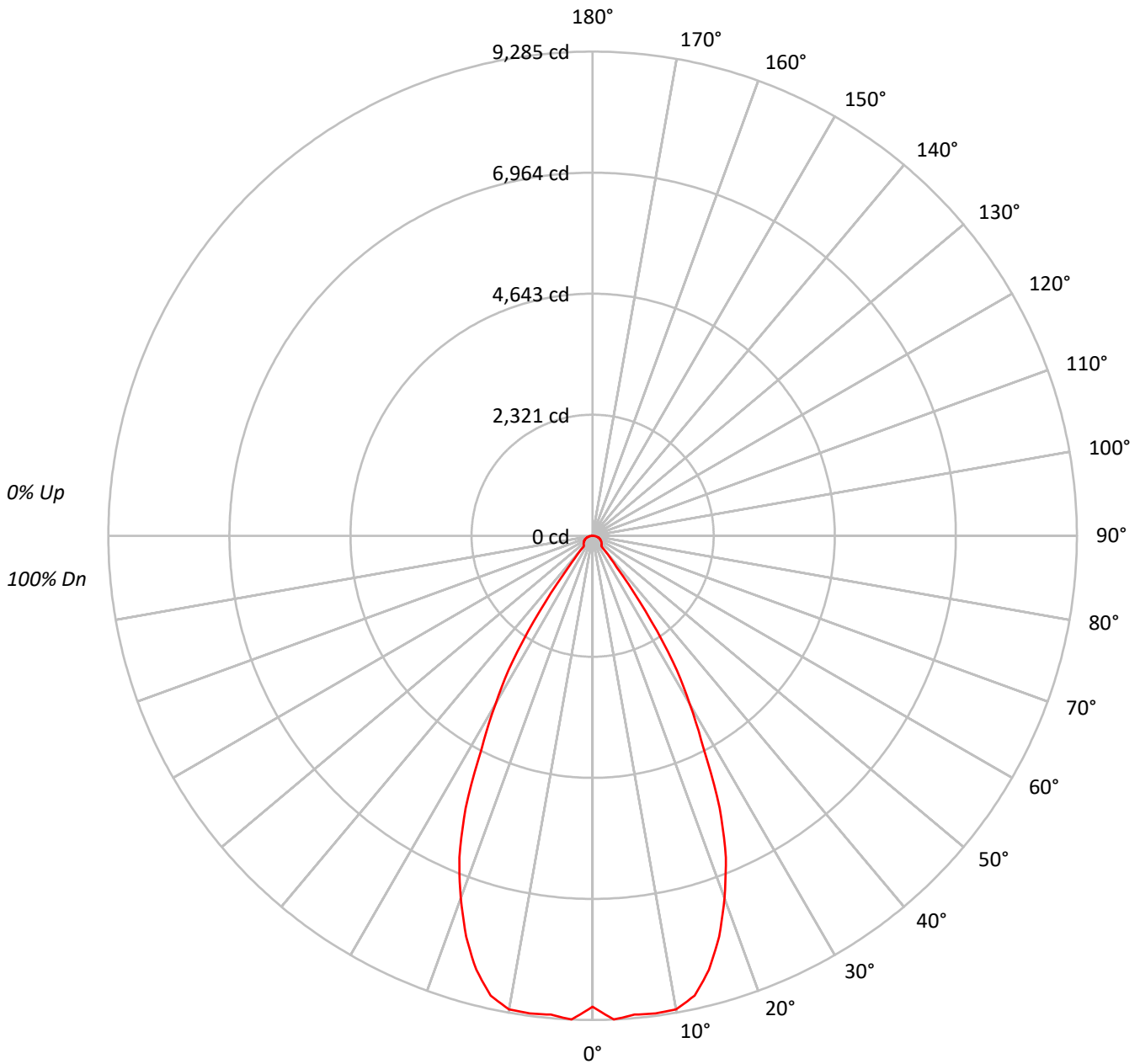
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P770034

CATALOG NUMBER: LD6D65D010-EU6DR6055659050-6LBSQW1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P770034

CATALOG NUMBER: LD6D65D010-EU6DR6055659050-6LBSQW1MW

**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			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

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

	0°
0°	986778
5°	1011046
10°	1023258
15°	974792
20°	859466
25°	695162
30°	470224
35°	235634
40°	38225
45°	37409
50°	38160
55°	38727
60°	39815
65°	40719
70°	41689
75°	42173
80°	40647
85°	33848

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 42173 cd/sqm



TEST NUMBER: P770034

CATALOG NUMBER: LD6D65D010-EU6DR6055659050-6LBSQW1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	881.0	11.6
10°-20°	2383.7	31.3
20°-30°	2564.7	33.7
30°-40°	1114.8	14.7
40°-50°	187.2	2.5
50°-60°	182.1	2.4
60°-70°	155.7	2.0
70°-80°	104.2	1.4
80°-90°	31.1	0.4
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°	5829.4	76.7
0°-40°	6944.3	91.3
0°-60°	7313.5	96.2
0°-90°	7604.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7604.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9031	
5°	9218	881
15°	8618	2384
25°	5766	2565
35°	1767	1115
45°	242	187
55°	203	182
65°	158	156
75°	100	104
85°	27	31
90°	0	



TEST NUMBER: P770034

CATALOG NUMBER: LD6D65D010-EU6DR6055659050-6LBSQW1MW

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9031.4
2.5°	9285.3
5°	9218.3
7.5°	9239.5
10°	9223.0
12.5°	9032.6
15°	8617.7
17.5°	8060.6
20°	7391.8
22.5°	6676.0
25°	5766.3
27.5°	4612.1
30°	3727.1
32.5°	2872.6
35°	1766.6
37.5°	755.8
40°	268.0
42.5°	246.8
45°	242.1
47.5°	233.9
50°	224.5
52.5°	213.9
55°	203.3
57.5°	192.8
60°	182.2
62.5°	170.4
65°	157.5
67.5°	144.6
70°	130.5
72.5°	115.2
75°	99.9
77.5°	82.3
80°	64.6
82.5°	45.8
85°	27.0
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)