

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: P770005

Luminaire Tested: LD6D65D010-EU6DR6055659035-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770005  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D65D010-EU6DR6055659035-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8869.5 lumens  
Efficiency: N/A  
Efficacy: 121.8 lumens/watt  
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

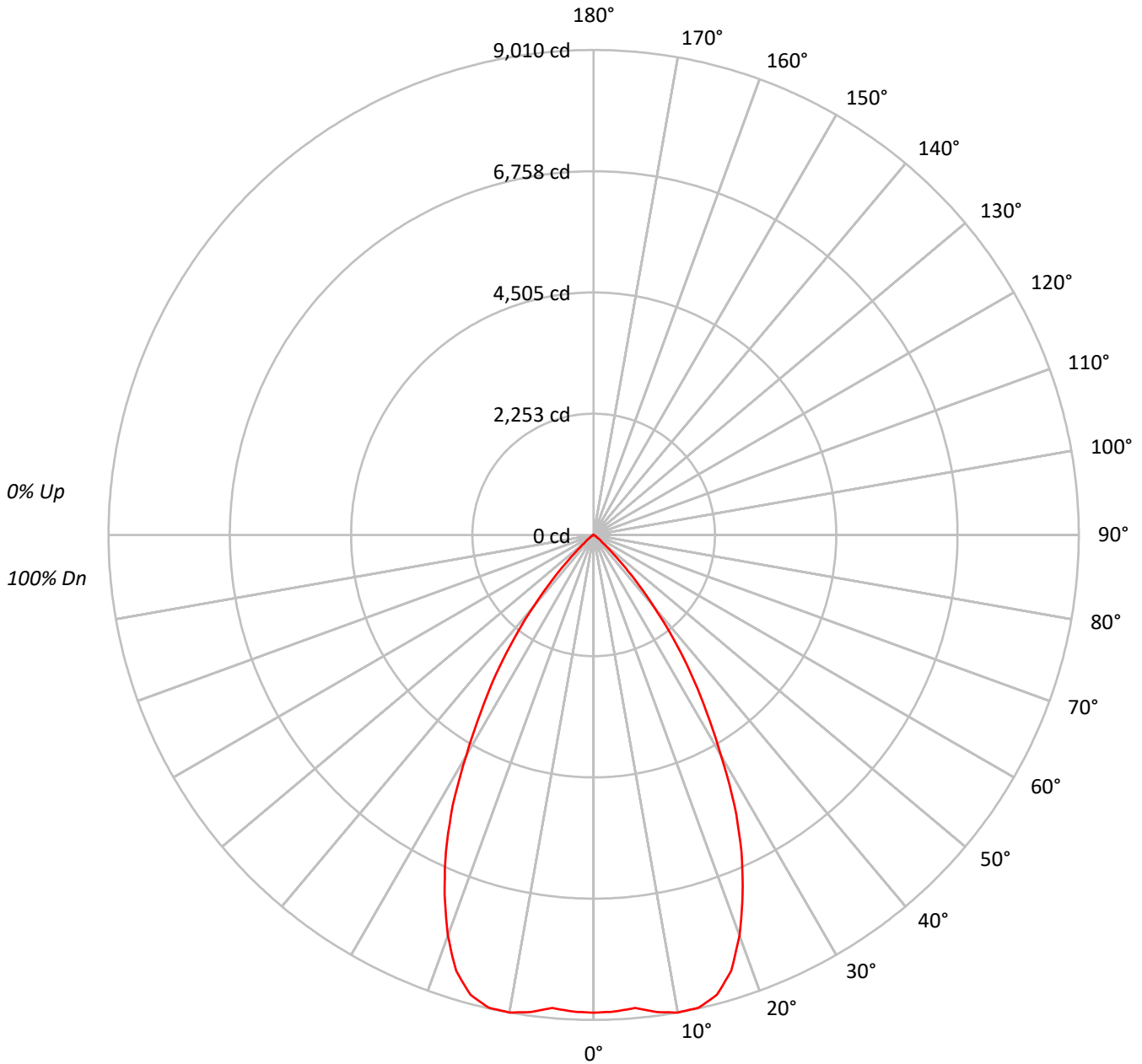
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P770005  
CATALOG NUMBER: LD6D65D010-EU6DR6055659035-6LBS1LI

### Luminous Intensity Polar Plot





TEST NUMBER: P770005

CATALOG NUMBER: LD6D65D010-EU6DR6055659035-6LBS1LI

**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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70
6	87	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65
7	83	74	68	63	82	73	67	63	72	67	63	71	66	63	69	65	62	61
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	61	58	57
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50

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

	0°
0°	969798
5°	967438
10°	999570
15°	1000593
20°	920660
25°	783083
30°	596677
35°	421956
40°	247776
45°	99973
50°	33384
55°	16058
60°	6599
65°	982
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 99973 cd/sqm



TEST NUMBER: P770005  
 CATALOG NUMBER: LD6D65D010-EU6DR6055659035-6LBS1LI

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	850.9	9.6
10°-20°	2450.6	27.6
20°-30°	2933.1	33.1
30°-40°	1961.8	22.1
40°-50°	581.6	6.6
50°-60°	83.6	0.9
60°-70°	8.0	0.1
70°-80°	0.0	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°	6234.6	70.3
0°-40°	8196.3	92.4
0°-60°	8861.5	99.9
0°-90°	8869.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8869.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8876	
5°	8821	851
15°	8846	2451
25°	6496	2933
35°	3164	1962
45°	647	582
55°	84	84
65°	4	8
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P770005  
CATALOG NUMBER: LD6D65D010-EU6DR6055659035-6LBS1LI

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	8876.0
2.5°	8864.7
5°	8820.7
7.5°	8940.3
10°	9009.5
12.5°	8996.9
15°	8845.8
17.5°	8489.6
20°	7918.1
22.5°	7232.0
25°	6495.6
27.5°	5666.0
30°	4729.4
32.5°	3893.6
35°	3163.5
37.5°	2432.1
40°	1737.2
42.5°	1145.5
45°	647.0
47.5°	331.1
50°	196.4
52.5°	127.1
55°	84.3
57.5°	54.1
60°	30.2
62.5°	12.6
65°	3.8
67.5°	1.3
70°	0.0
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)