

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: P770078

Luminaire Tested: LD6D65D010-EU6DR6555659035-6LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770078  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D65D010-EU6DR6555659035-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7011.9 lumens  
Efficiency: N/A  
Efficacy: 96.3 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

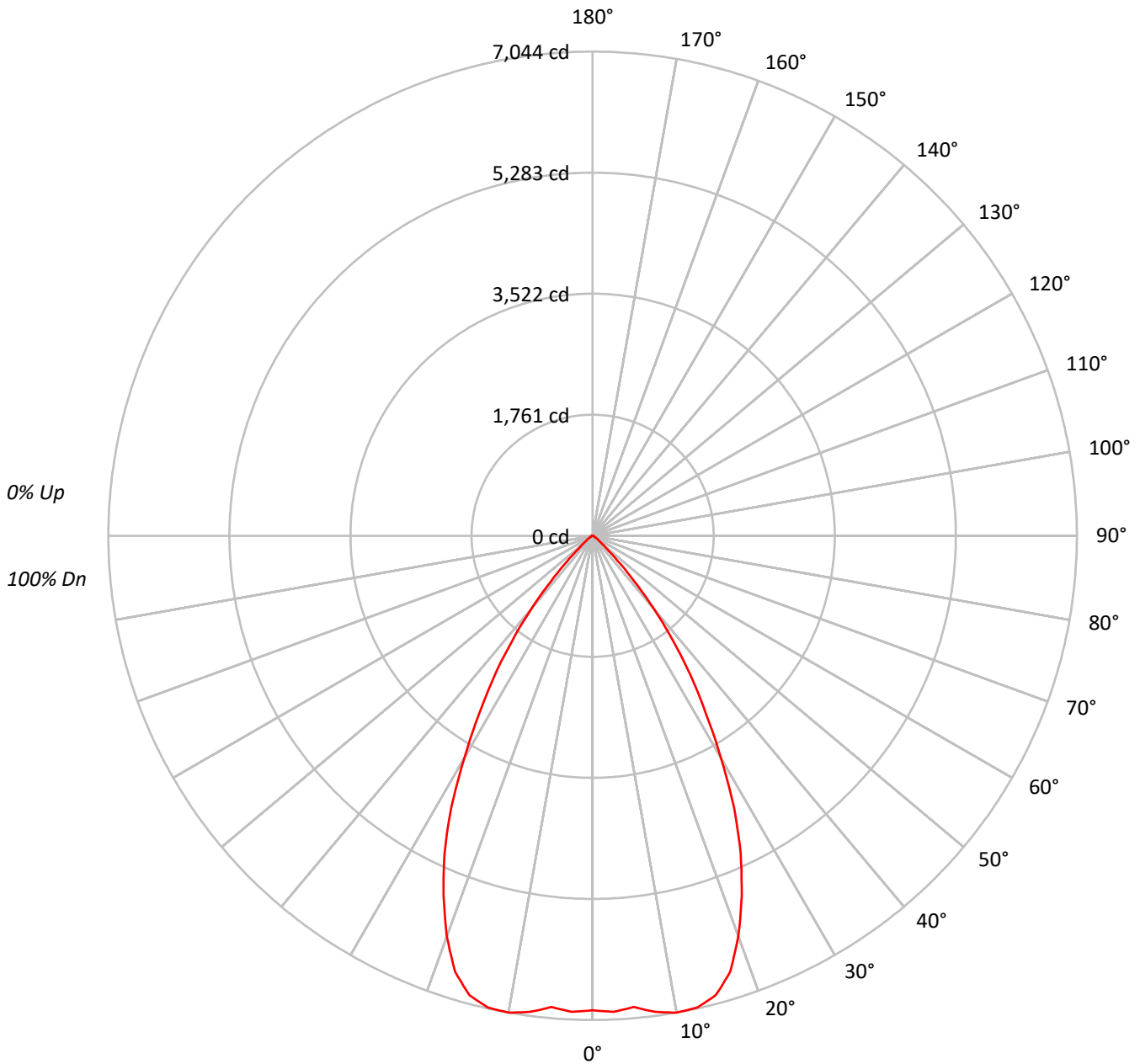
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P770078  
CATALOG NUMBER: LD6D65D010-EU6DR6555659035-6LBDP1H

### Luminous Intensity Polar Plot





TEST NUMBER: P770078

CATALOG NUMBER: LD6D65D010-EU6DR6555659035-6LBDP1H

**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	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50

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

	0°
0°	754293
5°	754914
10°	781494
15°	782790
20°	720694
25°	614064
30°	470085
35°	332110
40°	196030
45°	79592
50°	28846
55°	16077
60°	9222
65°	5067
70°	5335
75°	4137
80°	4342
85°	3636

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 79592 cd/sqm



TEST NUMBER: P770078

CATALOG NUMBER: LD6D65D010-EU6DR6555659035-6LBDP1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	664.8	9.5
10°-20°	1917.5	27.3
20°-30°	2300.7	32.8
30°-40°	1546.1	22.1
40°-50°	462.8	6.6
50°-60°	81.7	1.2
60°-70°	23.2	0.3
70°-80°	11.4	0.2
80°-90°	3.6	0.1
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°	4883.0	69.6
0°-40°	6429.1	91.7
0°-60°	6973.6	99.5
0°-90°	7011.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7011.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6904	
5°	6883	665
15°	6920	1918
25°	5094	2301
35°	2490	1546
45°	515	463
55°	84	82
65°	20	23
75°	10	11
85°	3	4
90°	0	



TEST NUMBER: P770078

CATALOG NUMBER: LD6D65D010-EU6DR6555659035-6LBDP1H

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6903.6
2.5°	6933.1
5°	6883.0
7.5°	6987.0
10°	7043.9
12.5°	7030.2
15°	6920.3
17.5°	6651.5
20°	6198.3
22.5°	5664.6
25°	5093.6
27.5°	4449.1
30°	3726.0
32.5°	3070.7
35°	2489.9
37.5°	1916.0
40°	1374.4
42.5°	897.7
45°	515.1
47.5°	272.7
50°	169.7
52.5°	117.7
55°	84.4
57.5°	60.8
60°	42.2
62.5°	27.5
65°	19.6
67.5°	17.7
70°	16.7
72.5°	12.8
75°	9.8
77.5°	8.8
80°	6.9
82.5°	4.9
85°	2.9
87.5°	2.0
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)