

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: P770100

Luminaire Tested: LD6D65D010-EU6DR6555659050-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770100  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D65D010-EU6DR6555659050-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

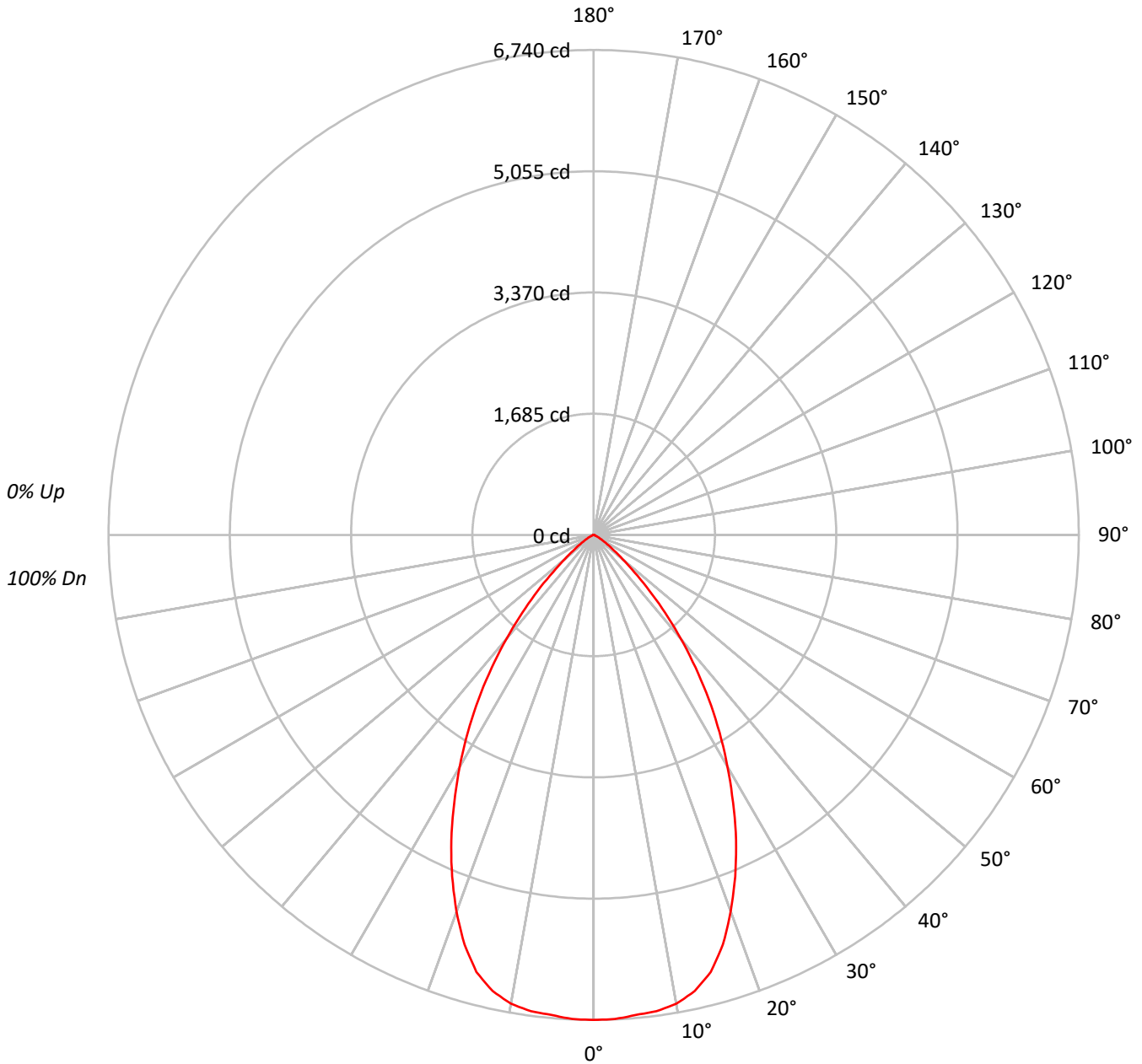
Lumens per Lamp: N/A  
Luminaire Lumens: 7423.4 lumens  
Efficiency: N/A  
Efficacy: 102.0 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct

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: P770100  
CATALOG NUMBER: LD6D65D010-EU6DR6555659050-6LBCSSQMB

### Luminous Intensity Polar Plot





TEST NUMBER: P770100  
 CATALOG NUMBER: LD6D65D010-EU6DR6555659050-6LBCSSQMB

**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	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	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93				
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85				
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78				
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72				
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66				
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61				
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56				
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52				
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49				
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46				

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

	0°
0°	393660
5°	392666
10°	392331
15°	380235
20°	346156
25°	301651
30°	250893
35°	198793
40°	143478
45°	90649
50°	47247
55°	25110
60°	13188
65°	7255
70°	3040
75°	3362
80°	2321
85°	2010

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 90649 cd/sqm



TEST NUMBER: P770100

CATALOG NUMBER: LD6D65D010-EU6DR6555659050-6LBCSSQMB

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	637.4	8.6
10°-20°	1745.5	23.5
20°-30°	2133.6	28.7
30°-40°	1731.1	23.3
40°-50°	862.7	11.6
50°-60°	240.6	3.2
60°-70°	54.7	0.7
70°-80°	14.2	0.2
80°-90°	3.7	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°	4516.5	60.8
0°-40°	6247.6	84.2
0°-60°	7350.9	99.0
0°-90°	7423.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7423.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6740	
5°	6698	637
15°	6289	1745
25°	4681	2134
35°	2788	1731
45°	1098	863
55°	247	241
65°	52	55
75°	15	14
85°	3	4
90°	0	



TEST NUMBER: P770100

CATALOG NUMBER: LD6D65D010-EU6DR6555659050-6LBCSSQMB

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6740.3
2.5°	6735.3
5°	6697.7
7.5°	6675.9
10°	6615.5
12.5°	6492.6
15°	6288.6
17.5°	5969.7
20°	5569.5
22.5°	5137.7
25°	4681.0
27.5°	4192.7
30°	3720.3
32.5°	3253.8
35°	2788.2
37.5°	2323.7
40°	1881.9
42.5°	1467.9
45°	1097.5
47.5°	764.7
50°	520.0
52.5°	358.6
55°	246.6
57.5°	166.4
60°	112.9
62.5°	78.2
65°	52.5
67.5°	26.7
70°	17.8
72.5°	16.8
75°	14.9
77.5°	9.9
80°	6.9
82.5°	5.0
85°	3.0
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)