

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: P770061

Luminaire Tested: LD6D65D010-EU6DR6555659030-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P770061  
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-EU6DR6555659030-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

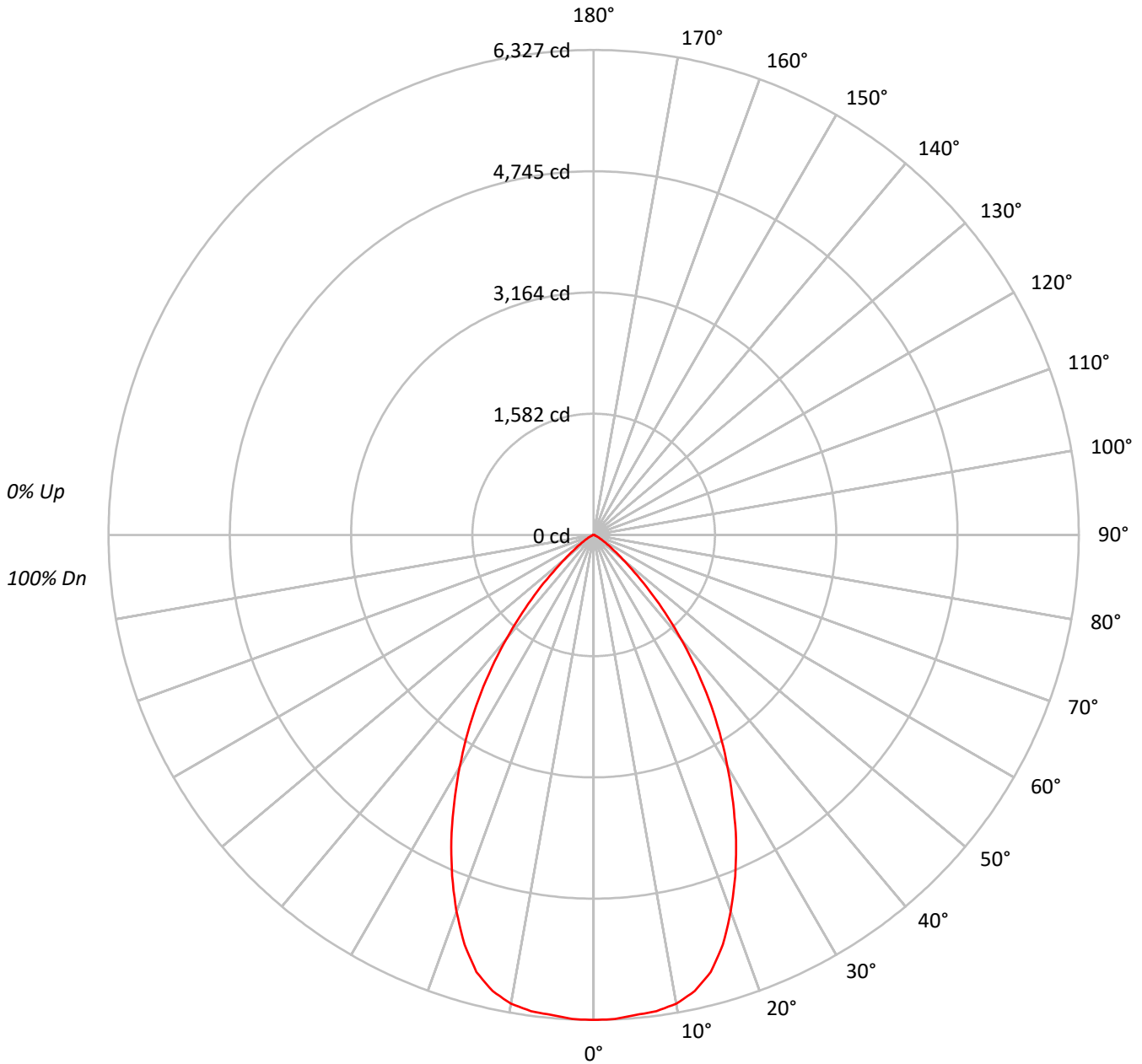
Lumens per Lamp: N/A  
Luminaire Lumens: 6968.2 lumens  
Efficiency: N/A  
Efficacy: 95.7 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct

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



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### Luminous Intensity Polar Plot





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**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																			
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°	369515
5°	368582
10°	368271
15°	356914
20°	324931
25°	283156
30°	235504
35°	186601
40°	134679
45°	85090
50°	44349
55°	23572
60°	12382
65°	6813
70°	2852
75°	3137
80°	2186
85°	1876

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 85090 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	598.3	8.6
10°-20°	1638.4	23.5
20°-30°	2002.7	28.7
30°-40°	1625.0	23.3
40°-50°	809.8	11.6
50°-60°	225.9	3.2
60°-70°	51.3	0.7
70°-80°	13.3	0.2
80°-90°	3.4	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°	4239.5	60.8
0°-40°	5864.5	84.2
0°-60°	6900.1	99.0
0°-90°	6968.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6968.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6327	
5°	6287	598
15°	5903	1638
25°	4394	2003
35°	2617	1625
45°	1030	810
55°	232	226
65°	49	51
75°	14	13
85°	3	3
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6326.9
2.5°	6322.3
5°	6286.9
7.5°	6266.5
10°	6209.8
12.5°	6094.5
15°	5902.9
17.5°	5603.6
20°	5228.0
22.5°	4822.6
25°	4394.0
27.5°	3935.6
30°	3492.1
32.5°	3054.2
35°	2617.2
37.5°	2181.2
40°	1766.5
42.5°	1377.9
45°	1030.2
47.5°	717.8
50°	488.1
52.5°	336.6
55°	231.5
57.5°	156.2
60°	106.0
62.5°	73.4
65°	49.3
67.5°	25.1
70°	16.7
72.5°	15.8
75°	13.9
77.5°	9.3
80°	6.5
82.5°	4.6
85°	2.8
87.5°	1.9
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

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— 0°-180°

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(END OF REPORT)