

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: P769621

Luminaire Tested: LD6D65D010-EU6DR3555659040-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P769621  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D65D010-EU6DR3555659040-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 35° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7829.3 lumens  
Efficiency: N/A  
Efficacy: 107.5 lumens/watt  
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

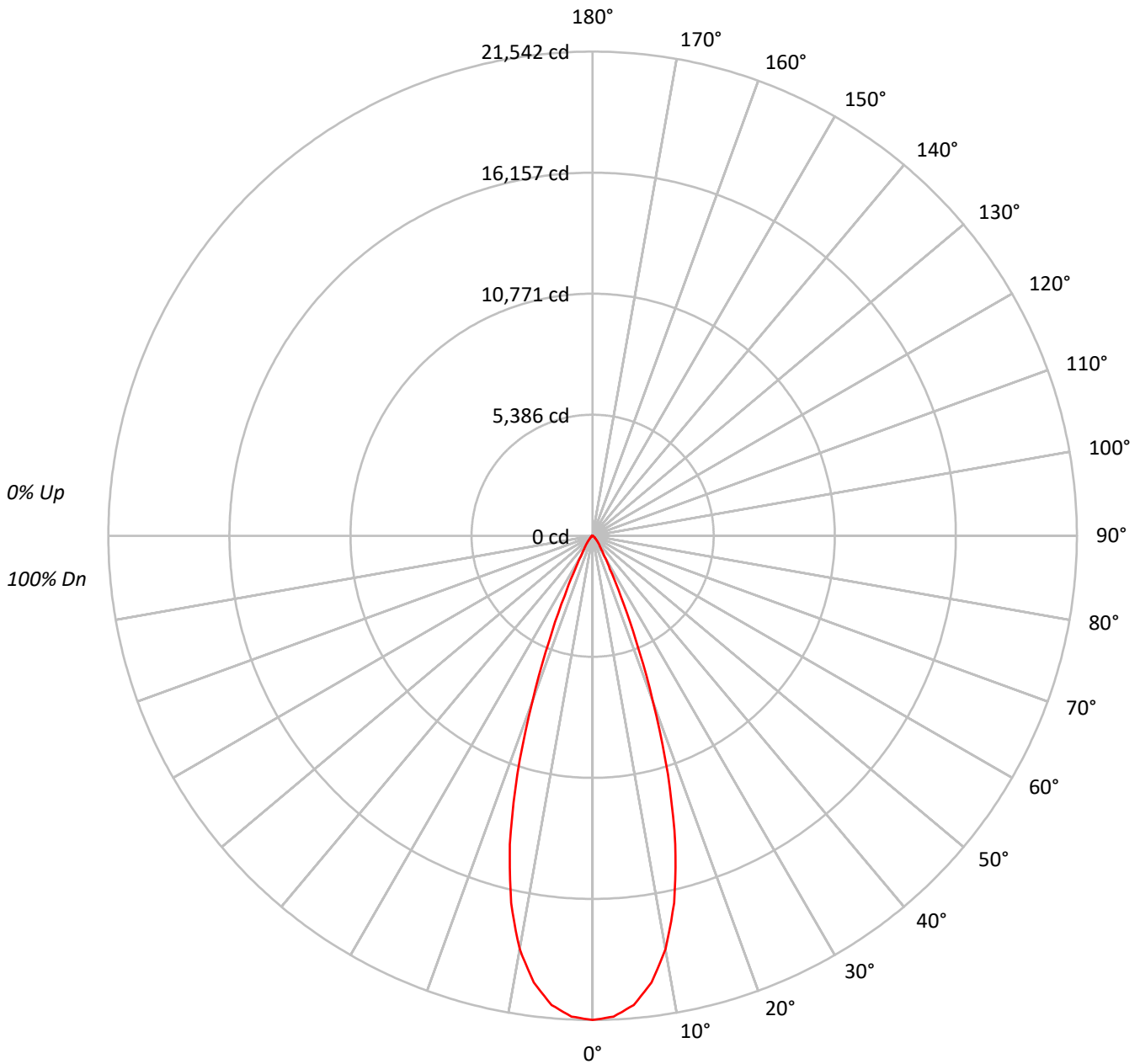
Input Watts (W): 72.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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	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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96					96														
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92					92														
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88					88														
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84					84														
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81					81														
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78					78														
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75					75														
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72					72														
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70					70														
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68					68														

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

	0°
0°	2353728
5°	2298425
10°	2071489
15°	1607806
20°	911928
25°	354784
30°	132358
35°	72547
40°	47424
45°	28864
50°	18375
55°	12972
60°	9506
65°	5171
70°	383
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 28864 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1927.3	24.6
10°-20°	3763.0	48.1
20°-30°	1534.7	19.6
30°-40°	367.3	4.7
40°-50°	153.1	2.0
50°-60°	63.4	0.8
60°-70°	19.8	0.3
70°-80°	0.5	0.0
80°-90°	0.3	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°	7225.0	92.3
0°-40°	7592.3	97.0
0°-60°	7808.7	99.7
0°-90°	7829.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7829.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	21542	
5°	20956	###
15°	14214	3763
25°	2943	1535
35°	544	367
45°	187	153
55°	68	63
65°	20	20
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	21542.3
2.5°	21413.1
5°	20956.1
7.5°	20044.4
10°	18671.1
12.5°	16737.4
15°	14213.9
17.5°	11127.7
20°	7843.0
22.5°	5001.1
25°	2942.9
27.5°	1663.5
30°	1049.1
32.5°	736.6
35°	543.9
37.5°	420.6
40°	332.5
42.5°	256.1
45°	186.8
47.5°	139.8
50°	108.1
52.5°	85.8
55°	68.1
57.5°	55.2
60°	43.5
62.5°	31.7
65°	20.0
67.5°	7.0
70°	1.2
72.5°	1.2
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.2
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

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— 0°-180°

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(END OF REPORT)