

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: P771660

Luminaire Tested: LD6D75BD010-EU6DR6570959050-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P771660  
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: LD6D75BD010-EU6DR6570959050-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

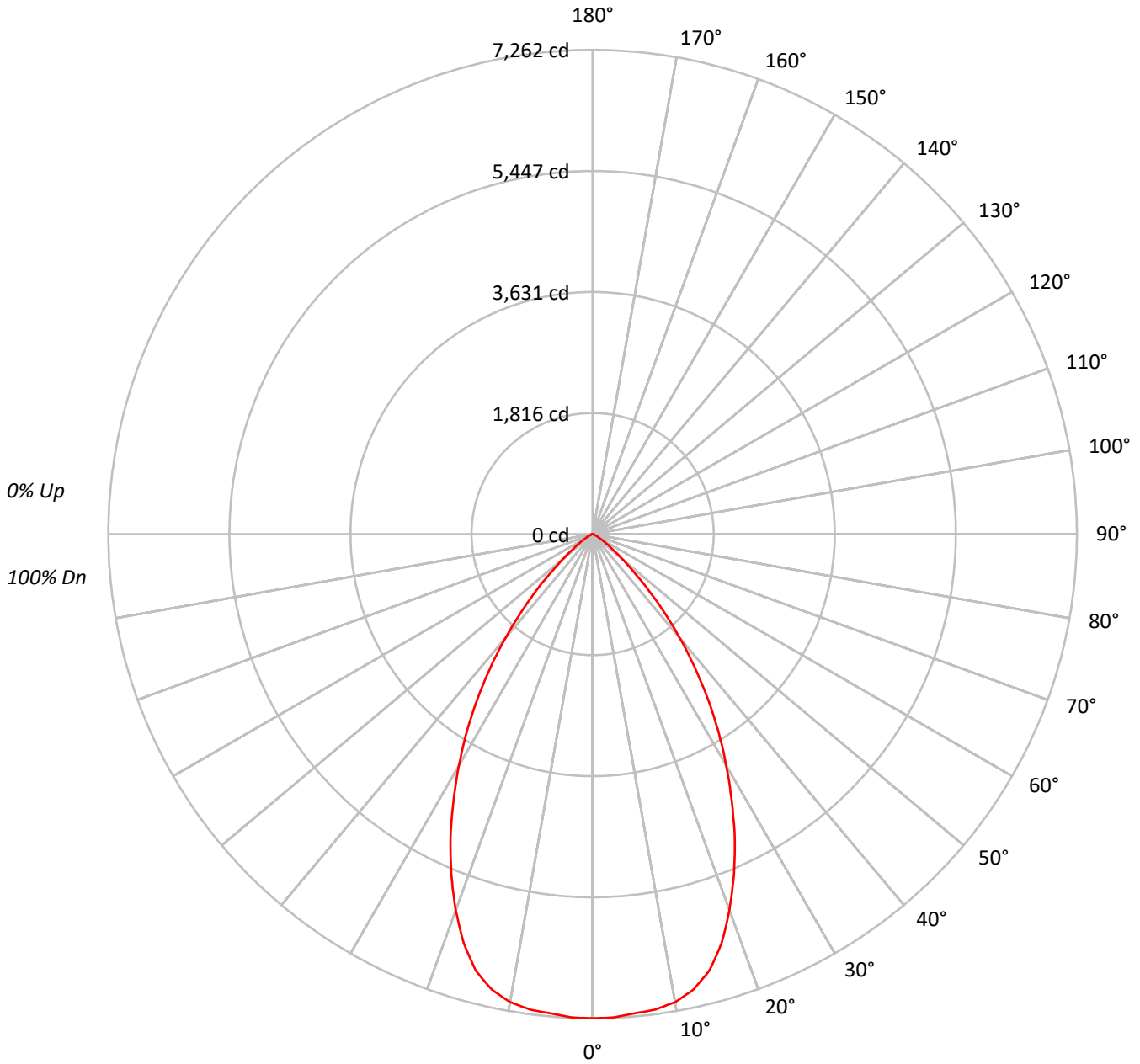
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7997.7 lumens  
Efficiency: N/A  
Efficacy: 110.5 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): 72.4  
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				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	424111
5°	423040
10°	422677
15°	409651
20°	372931
25°	324985
30°	270295
35°	214172
40°	154578
45°	97661
50°	50900
55°	27055
60°	14216
65°	7822
70°	3279
75°	3610
80°	2523
85°	2144

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 97661 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	686.7	8.6
10°-20°	1880.5	23.5
20°-30°	2298.6	28.7
30°-40°	1865.0	23.3
40°-50°	929.4	11.6
50°-60°	259.2	3.2
60°-70°	58.9	0.7
70°-80°	15.3	0.2
80°-90°	3.9	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°	4865.8	60.8
0°-40°	6730.9	84.2
0°-60°	7919.5	99.0
0°-90°	7997.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7997.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7262	
5°	7216	687
15°	6775	1881
25°	5043	2299
35°	3004	1865
45°	1182	929
55°	266	259
65°	57	59
75°	16	15
85°	3	4
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7261.7
2.5°	7256.3
5°	7215.8
7.5°	7192.3
10°	7127.2
12.5°	6994.9
15°	6775.1
17.5°	6431.4
20°	6000.3
22.5°	5535.1
25°	5043.1
27.5°	4517.1
30°	4008.0
32.5°	3505.4
35°	3003.9
37.5°	2503.4
40°	2027.5
42.5°	1581.5
45°	1182.4
47.5°	823.8
50°	560.2
52.5°	386.3
55°	265.7
57.5°	179.3
60°	121.7
62.5°	84.3
65°	56.6
67.5°	28.8
70°	19.2
72.5°	18.1
75°	16.0
77.5°	10.7
80°	7.5
82.5°	5.3
85°	3.2
87.5°	2.1
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)