

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P768461

Luminaire Tested: LD6D55D010-EU6DR6055659040-6LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P768461  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D55D010-EU6DR6055659040-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6208.5 lumens  
Efficiency: N/A  
Efficacy: 106.7 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

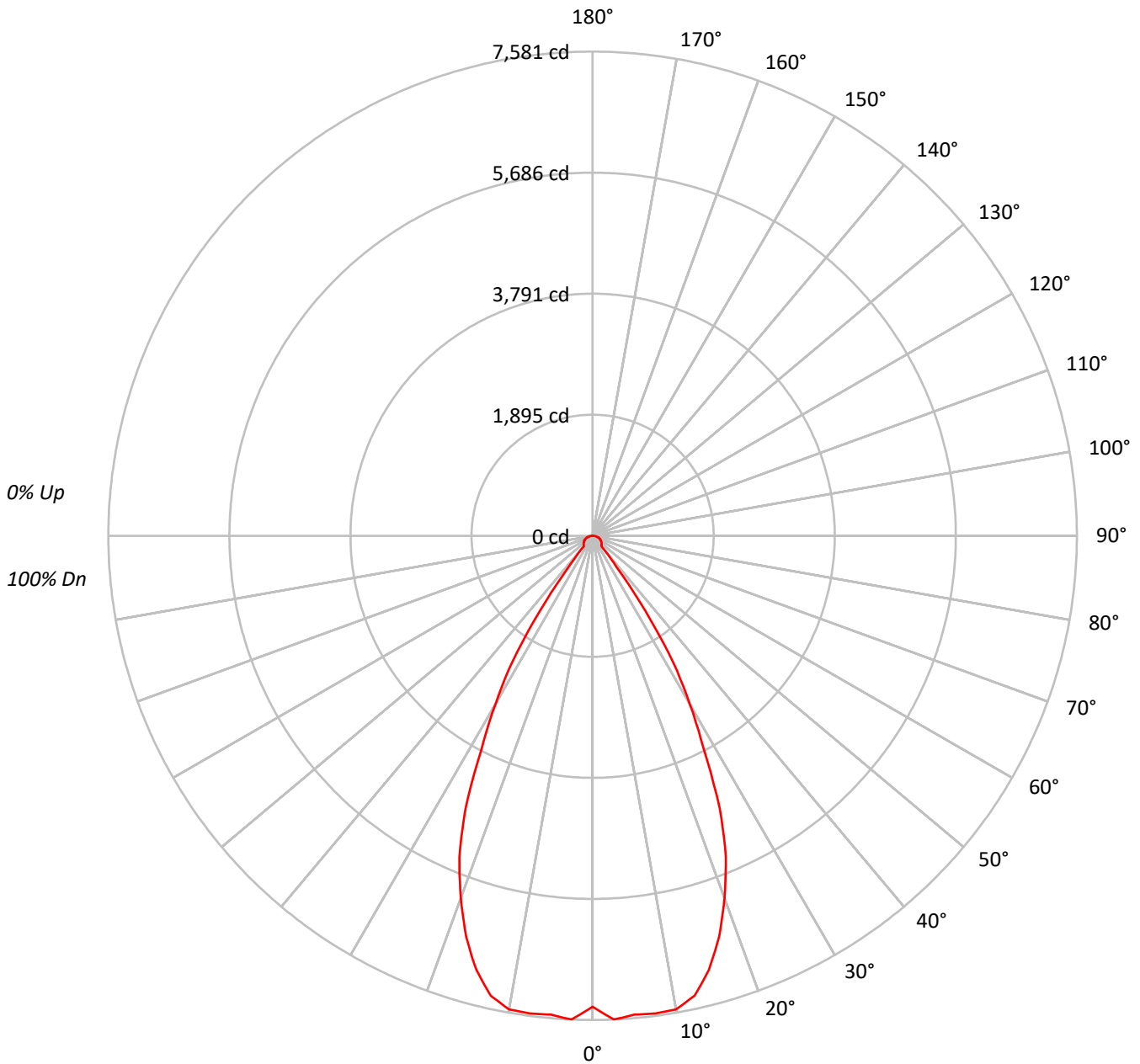
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

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

	0°
0°	805623
5°	825427
10°	835403
15°	795832
20°	701683
25°	567541
30°	383890
35°	192365
40°	31207
45°	30548
50°	31157
55°	31621
60°	32494
65°	33247
70°	34022
75°	34448
80°	33222
85°	27705

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 34448 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	719.3	11.6
10°-20°	1946.1	31.3
20°-30°	2093.8	33.7
30°-40°	910.1	14.7
40°-50°	152.9	2.5
50°-60°	148.6	2.4
60°-70°	127.1	2.0
70°-80°	85.1	1.4
80°-90°	25.5	0.4
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°	4759.2	76.7
0°-40°	5669.4	91.3
0°-60°	5970.9	96.2
0°-90°	6208.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6208.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7373	
5°	7526	719
15°	7036	1946
25°	4708	2094
35°	1442	910
45°	198	153
55°	166	149
65°	129	127
75°	82	85
85°	22	25
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	7373.4
2.5°	7580.6
5°	7525.9
7.5°	7543.2
10°	7529.8
12.5°	7374.3
15°	7035.6
17.5°	6580.8
20°	6034.8
22.5°	5450.4
25°	4707.7
27.5°	3765.4
30°	3042.8
32.5°	2345.2
35°	1442.2
37.5°	617.0
40°	218.8
42.5°	201.5
45°	197.7
47.5°	191.0
50°	183.3
52.5°	174.6
55°	166.0
57.5°	157.4
60°	148.7
62.5°	139.1
65°	128.6
67.5°	118.0
70°	106.5
72.5°	94.0
75°	81.6
77.5°	67.2
80°	52.8
82.5°	37.4
85°	22.1
87.5°	7.7
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)