

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: P768589

Luminaire Tested: LD6D55D010-EU6DR7055659030-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P768589  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-76)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D55D010-EU6DR7055659030-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6569.4 lumens  
Efficiency: N/A  
Efficacy: 112.9 lumens/watt  
Spacing Criteria (0/90/45): 1.1 / 1.1 / 1.04  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

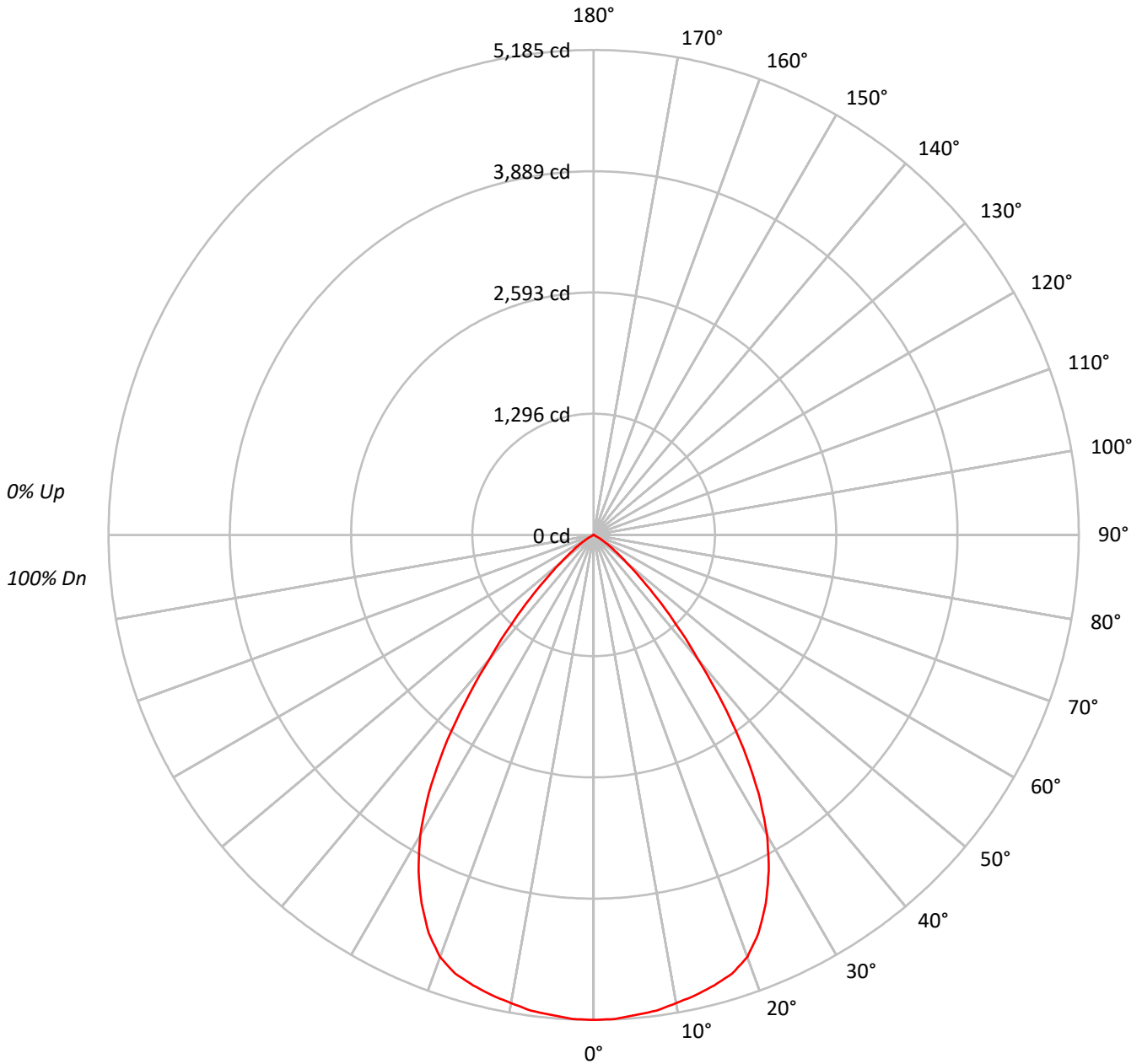
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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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			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	106	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	85	82	87	84	81	85	82	79	78			
4	95	87	81	76	93	86	80	76	83	78	75	81	77	74	79	76	73	71			
5	89	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	65			
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60			
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	61	57	56			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51			
9	71	61	54	50	70	60	54	50	59	53	50	58	53	49	57	53	49	48			
10	67	57	50	46	66	56	50	46	55	50	46	55	50	46	54	49	46	44			

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

	0°
0°	566539
5°	565116
10°	563896
15°	563743
20°	558226
25°	524382
30°	467486
35°	372738
40°	247491
45°	147966
50°	76712
55°	40327
60°	14269
65°	233
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 147966 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	490.0	7.5
10°-20°	1405.3	21.4
20°-30°	1982.5	30.2
30°-40°	1711.5	26.1
40°-50°	766.4	11.7
50°-60°	200.6	3.1
60°-70°	13.1	0.2
70°-80°	0.0	0.0
80°-90°	0.0	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°	3877.9	59.0
0°-40°	5589.3	85.1
0°-60°	6556.4	99.8
0°-90°	6569.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6569.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5185	
5°	5152	490
15°	4984	1405
25°	4350	1983
35°	2794	1711
45°	958	766
55°	212	201
65°	1	13
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5185.2
2.5°	5179.6
5°	5152.5
7.5°	5130.2
10°	5082.6
12.5°	5039.7
15°	4983.8
17.5°	4919.4
20°	4801.0
22.5°	4606.2
25°	4349.7
27.5°	4052.3
30°	3705.4
32.5°	3281.2
35°	2794.5
37.5°	2257.4
40°	1735.2
42.5°	1318.4
45°	957.6
47.5°	660.2
50°	451.3
52.5°	311.4
55°	211.7
57.5°	127.7
60°	65.3
62.5°	20.5
65°	0.9
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
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)