

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: P768367

Luminaire Tested: LD6D55D010-EU6DR5555659035-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P768367  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-52)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D55D010-EU6DR5555659035-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 55° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7436.3 lumens  
Efficiency: N/A  
Efficacy: 127.8 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.87  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

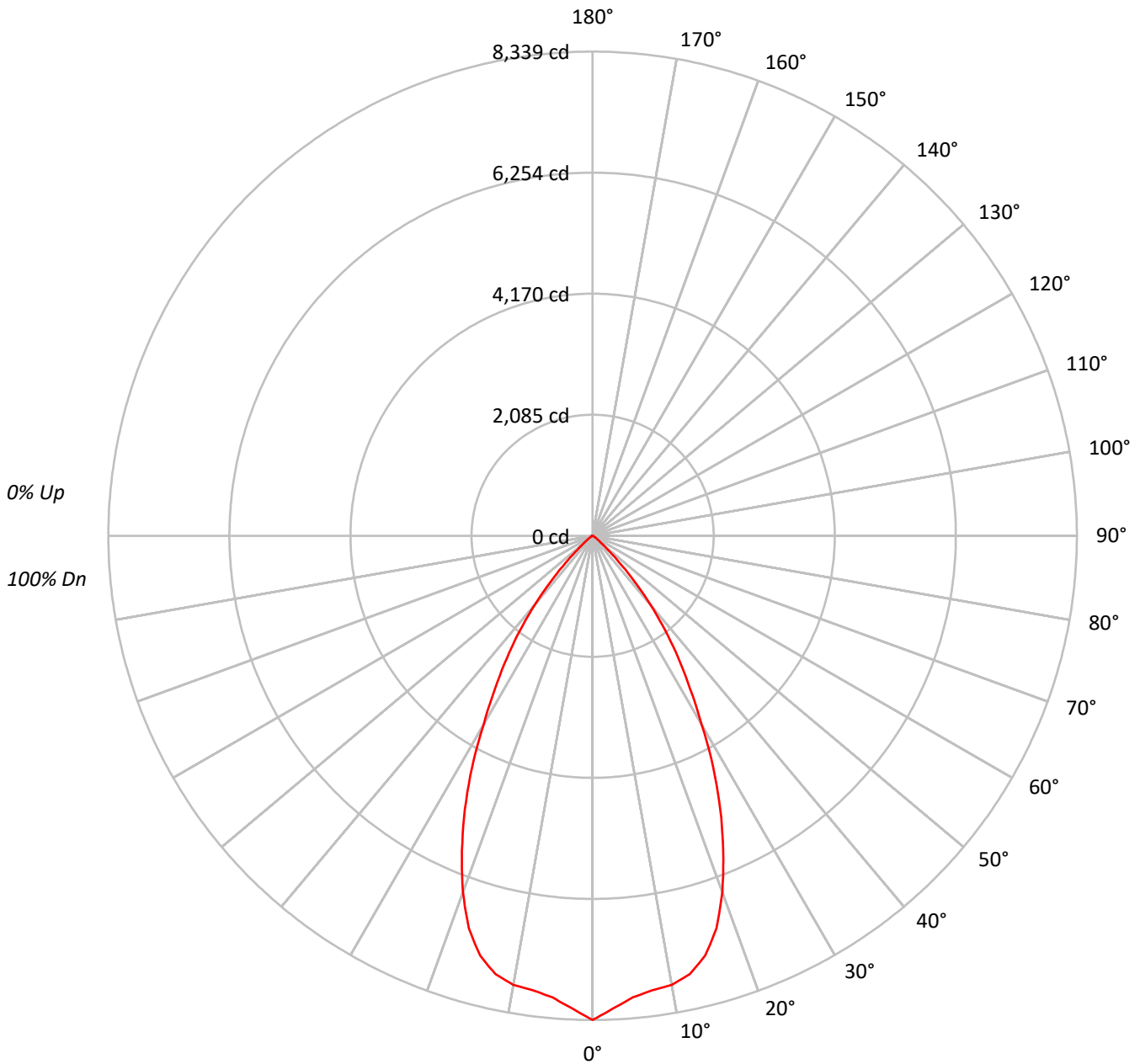
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94				
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87				
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81				
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75				
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70				
6	88	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65				
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	65	62	61				
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	62	58	57				
9	75	66	60	56	74	65	59	55	64	59	55	63	58	55	62	58	55	54				
10	72	62	56	52	71	61	56	52	61	56	52	60	55	52	59	55	52	50				

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

	0°
0°	911093
5°	874913
10°	871616
15°	846576
20°	759076
25°	627337
30°	473870
35°	343594
40°	219892
45°	100421
50°	32840
55°	14172
60°	6097
65°	801
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 100421 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	759.1	10.2
10°-20°	2071.6	27.9
20°-30°	2360.8	31.7
30°-40°	1607.1	21.6
40°-50°	553.8	7.4
50°-60°	76.5	1.0
60°-70°	7.4	0.1
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°	5191.5	69.8
0°-40°	6798.6	91.4
0°-60°	7429.0	99.9
0°-90°	7436.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7436.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8339	
5°	7977	759
15°	7484	2072
25°	5204	2361
35°	2576	1607
45°	650	554
55°	74	77
65°	3	7
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8338.7
2.5°	8147.6
5°	7977.1
7.5°	7893.4
10°	7856.2
12.5°	7732.2
15°	7484.2
17.5°	7090.5
20°	6528.4
22.5°	5879.5
25°	5203.7
27.5°	4500.0
30°	3756.0
32.5°	3125.7
35°	2576.0
37.5°	2053.2
40°	1541.7
42.5°	1068.4
45°	649.9
47.5°	350.3
50°	193.2
52.5°	114.7
55°	74.4
57.5°	47.5
60°	27.9
62.5°	12.4
65°	3.1
67.5°	1.0
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)