

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: P768274

Luminaire Tested: LD6D55D010-EU6DR5055659030-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P768274  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D55D010-EU6DR5055659030-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 50° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6727.6 lumens  
Efficiency: N/A  
Efficacy: 115.6 lumens/watt  
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

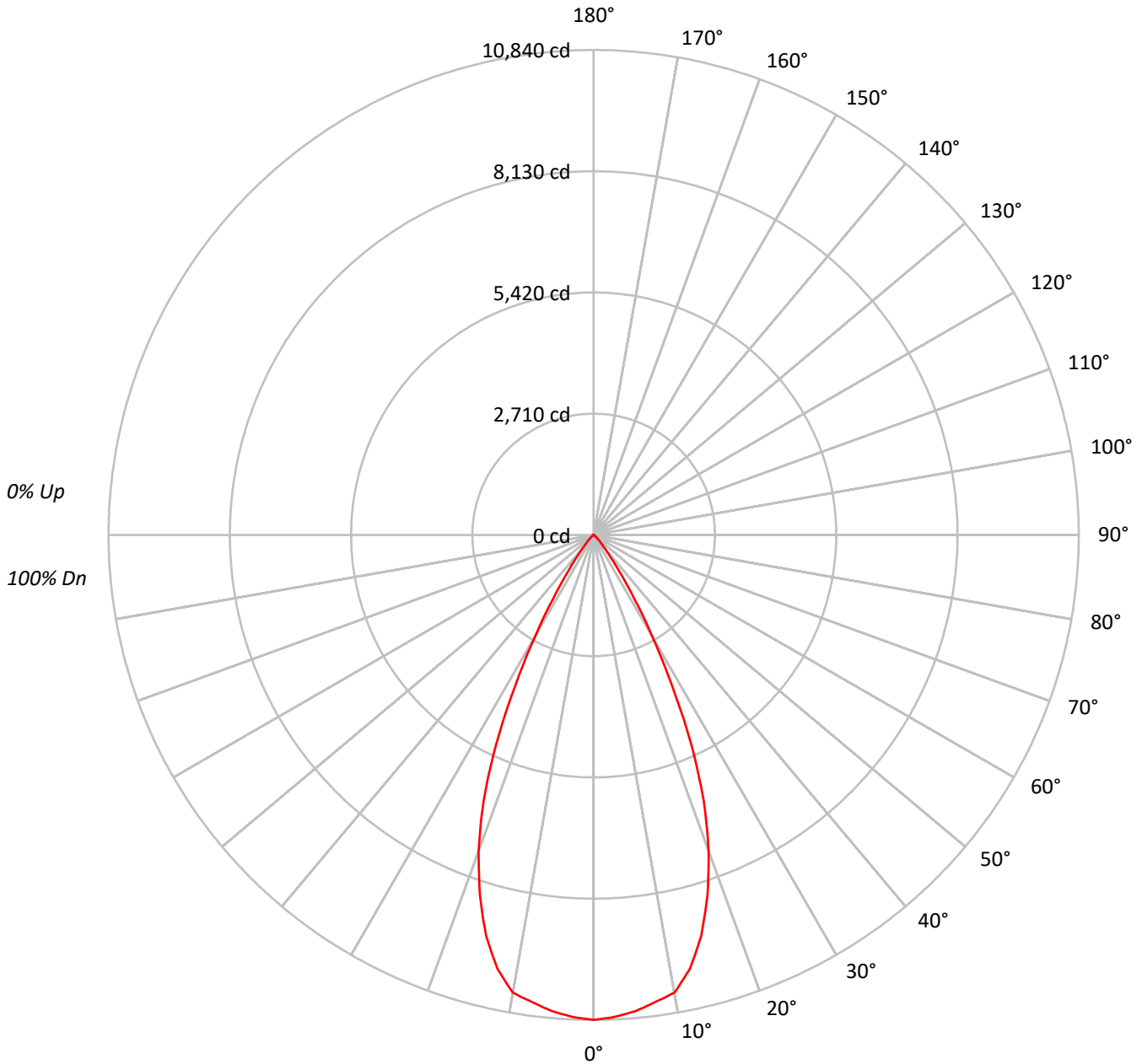
Input Watts (W): 58.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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			100
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95			95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90			90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85			85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80			80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76			76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72			72
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69			69
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65			65
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62			62
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59			59

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

	0°
0°	1184365
5°	1171955
10°	1152654
15°	1049583
20°	873372
25°	619959
30°	328151
35°	133730
40°	49664
45°	22730
50°	9315
55°	4877
60°	2404
65°	698
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 22730 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1010.0	15.0
10°-20°	2552.4	37.9
20°-30°	2292.8	34.1
30°-40°	717.9	10.7
40°-50°	125.7	1.9
50°-60°	25.1	0.4
60°-70°	3.8	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°	5855.2	87.0
0°-40°	6573.1	97.7
0°-60°	6723.8	99.9
0°-90°	6727.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6727.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10840	
5°	10685	###
15°	9279	2552
25°	5142	2293
35°	1003	718
45°	147	126
55°	26	25
65°	3	4
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	10839.8
2.5°	10785.9
5°	10685.4
7.5°	10531.8
10°	10389.3
12.5°	9932.3
15°	9278.9
17.5°	8449.0
20°	7511.4
22.5°	6426.6
25°	5142.5
27.5°	3780.8
30°	2601.0
32.5°	1693.5
35°	1002.6
37.5°	575.8
40°	348.2
42.5°	226.6
45°	147.1
47.5°	89.6
50°	54.8
52.5°	37.5
55°	25.6
57.5°	17.4
60°	11.0
62.5°	6.4
65°	2.7
67.5°	0.9
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)