

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: P757726

Luminaire Tested: LD6D02D010-EU6DR650210IC9040-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P757726  
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: LD6D02D010-EU6DR650210IC9040-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 380.8 lumens  
Efficiency: N/A  
Efficacy: 74.7 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): 5.1  
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



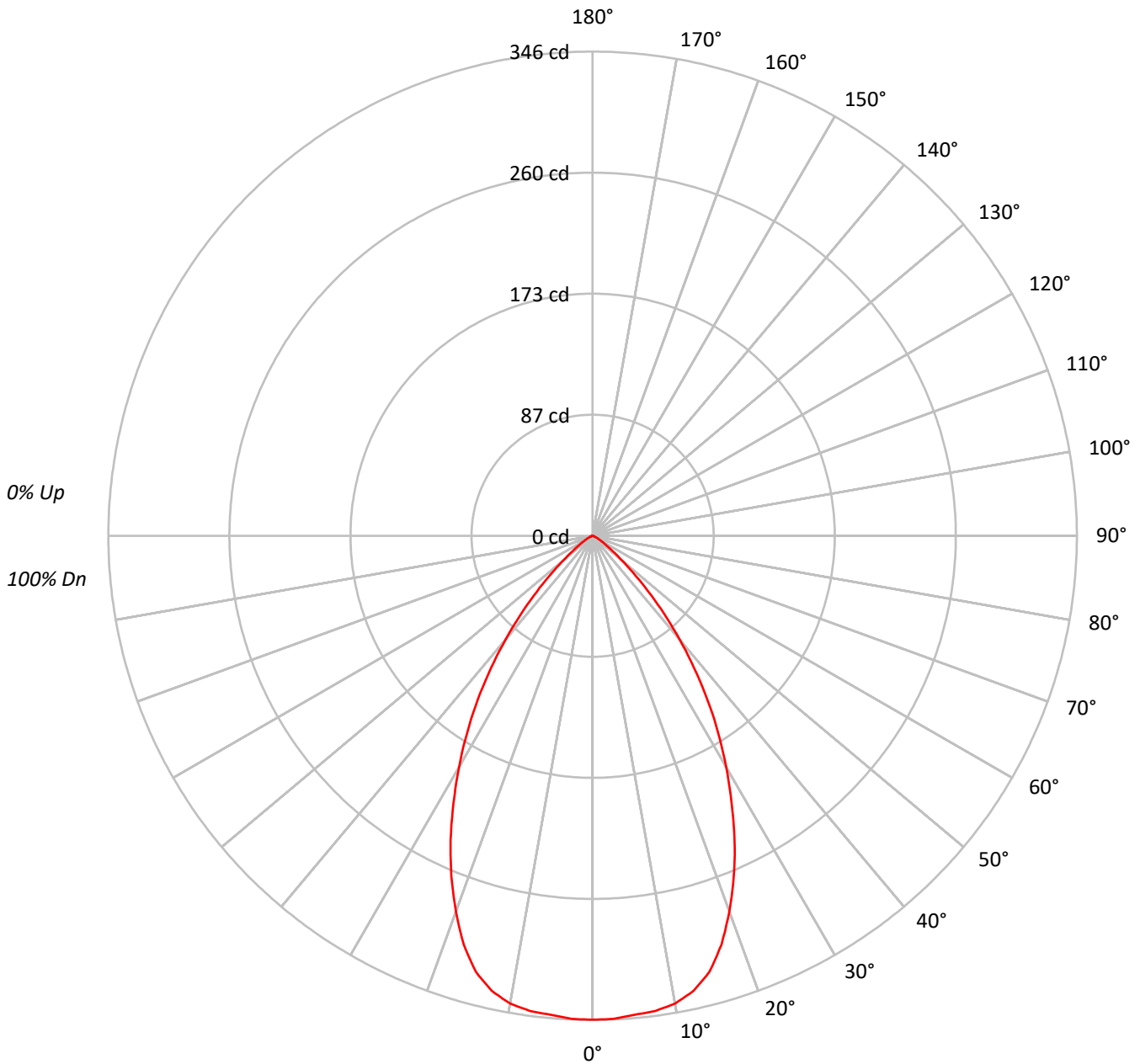
Downlight



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20									20									20									20									
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			100																
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93			93																
2	107	102	97	94	105	100	96	92	97	93	90	94	91	89	91	89	87	85			85																
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			78																
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72																
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66																
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61																
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56																
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52																
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49																
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46																

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

	0°
0°	20196
5°	20144
10°	20128
15°	19506
20°	17757
25°	15472
30°	12867
35°	10196
40°	7357
45°	4650
50°	2426
55°	1293
60°	677
65°	373
70°	154
75°	158
80°	101
85°	134

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4650 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	32.7	8.6
10°-20°	89.5	23.5
20°-30°	109.4	28.7
30°-40°	88.8	23.3
40°-50°	44.2	11.6
50°-60°	12.4	3.2
60°-70°	2.8	0.7
70°-80°	0.7	0.2
80°-90°	0.2	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°	231.7	60.8
0°-40°	320.5	84.2
0°-60°	377.1	99.0
0°-90°	380.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	380.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	346	
5°	344	33
15°	323	90
25°	240	109
35°	143	89
45°	56	44
55°	13	12
65°	3	3
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	345.8
2.5°	345.5
5°	343.6
7.5°	342.5
10°	339.4
12.5°	333.1
15°	322.6
17.5°	306.2
20°	285.7
22.5°	263.6
25°	240.1
27.5°	215.1
30°	190.8
32.5°	166.9
35°	143.0
37.5°	119.2
40°	96.5
42.5°	75.3
45°	56.3
47.5°	39.2
50°	26.7
52.5°	18.4
55°	12.7
57.5°	8.5
60°	5.8
62.5°	4.0
65°	2.7
67.5°	1.4
70°	0.9
72.5°	0.9
75°	0.7
77.5°	0.5
80°	0.3
82.5°	0.2
85°	0.2
87.5°	0.1
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)