

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: P758348

Luminaire Tested: LD6D05D010-EU6DR400210IC9040-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P758348  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D05D010-EU6DR400210IC9040-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 40° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 739.8 lumens  
Efficiency: N/A  
Efficacy: 98.6 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.5  
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

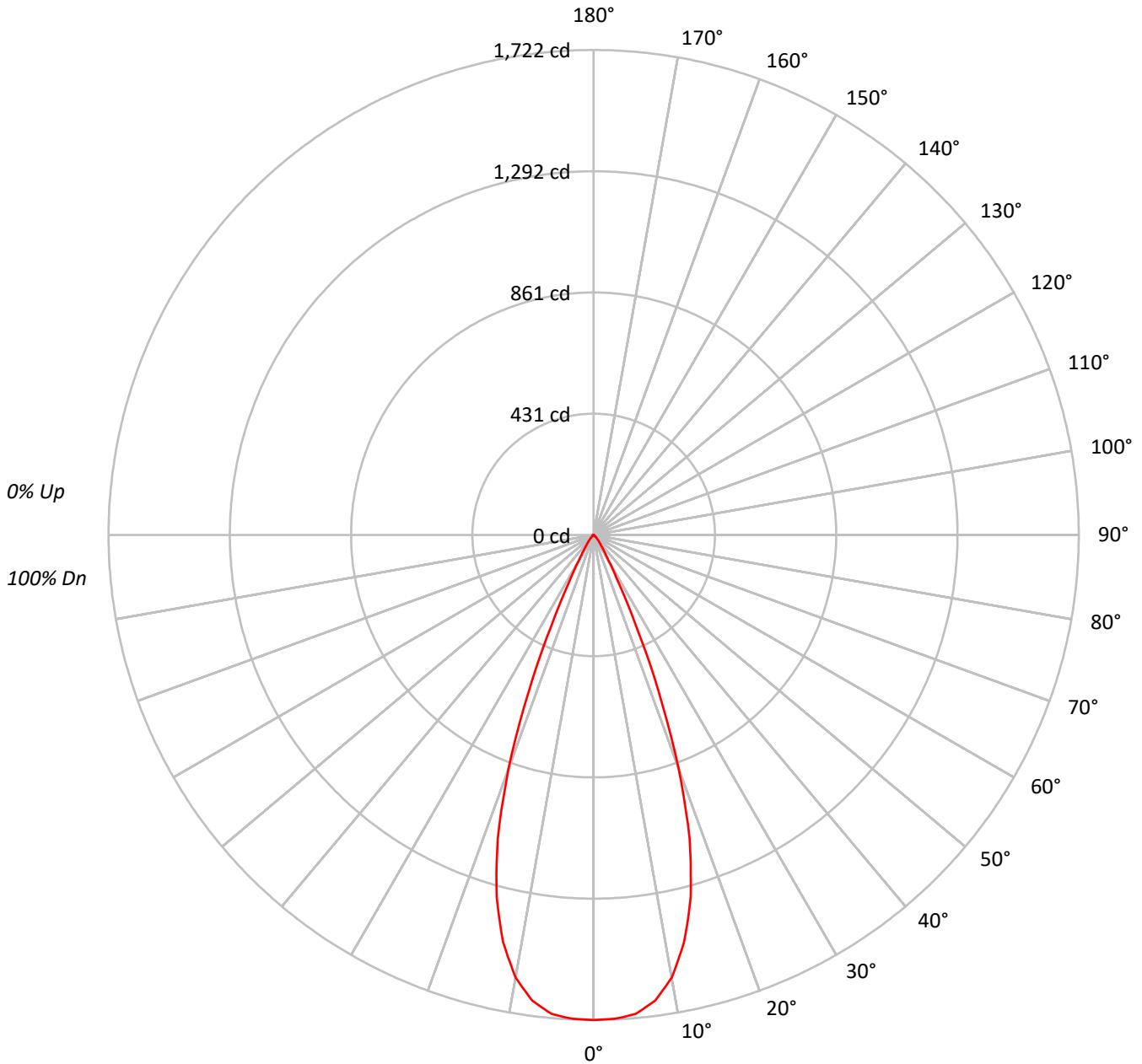


Downlight



TEST NUMBER: P758348  
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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									20									20
RC	80									50									30									10									0									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	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	100	99	98	97	96	95	94	93	92	91																
	1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96	95	94	93	92	91	90	89	88	87	86	85																
	2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92	91	90	89	88	87	86	85	84	83	82	81																
	3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88	87	86	85	84	83	82	81	80	79	78	77																
	4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84	83	82	81	80	79	78	77	76	75	74	73																
	5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81	80	79	78	77	76	75	74	73	72	71	70																
	6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77	76	75	74	73	72	71	70	69	68	67	66																
	7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74	73	72	71	70	69	68	67	66	65	64	63																
	8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	71	70	69	68	67	66	65	64	63	62	61	60																
	9	86	79	74	71	85	78	74	71	77	73	71	77	73	70	76	72	70	68	67	66	65	64	63	62	61	60	59	58	57																
	10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	66	65	64	63	62	61	60	59	58	57	56	55																

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

	0°
0°	188202
5°	187286
10°	177026
15°	150488
20°	102576
25°	42797
30°	13462
35°	6256
40°	3452
45°	1592
50°	765
55°	419
60°	219
65°	78
70°	32
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1592 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.4	21.6
10°-20°	357.2	48.3
20°-30°	178.8	24.2
30°-40°	32.8	4.4
40°-50°	9.0	1.2
50°-60°	2.1	0.3
60°-70°	0.4	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°	695.4	94.0
0°-40°	728.2	98.4
0°-60°	739.4	99.9
0°-90°	739.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	739.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1722	
5°	1708	159
15°	1330	357
25°	355	179
35°	47	33
45°	10	9
55°	2	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1722.5
2.5°	1720.0
5°	1707.6
7.5°	1668.1
10°	1595.6
12.5°	1482.5
15°	1330.4
17.5°	1132.7
20°	882.2
22.5°	601.4
25°	355.0
27.5°	187.6
30°	106.7
32.5°	68.9
35°	46.9
37.5°	33.5
40°	24.2
42.5°	16.6
45°	10.3
47.5°	6.5
50°	4.5
52.5°	3.2
55°	2.2
57.5°	1.4
60°	1.0
62.5°	0.6
65°	0.3
67.5°	0.2
70°	0.1
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)