

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: P787435

Luminaire Tested: LER6D02D010-EC6DR650210IC9035-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P787435  
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: LER6D02D010-EC6DR650210IC9035-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 571.9 lumens  
Efficiency: N/A  
Efficacy: 112.1 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

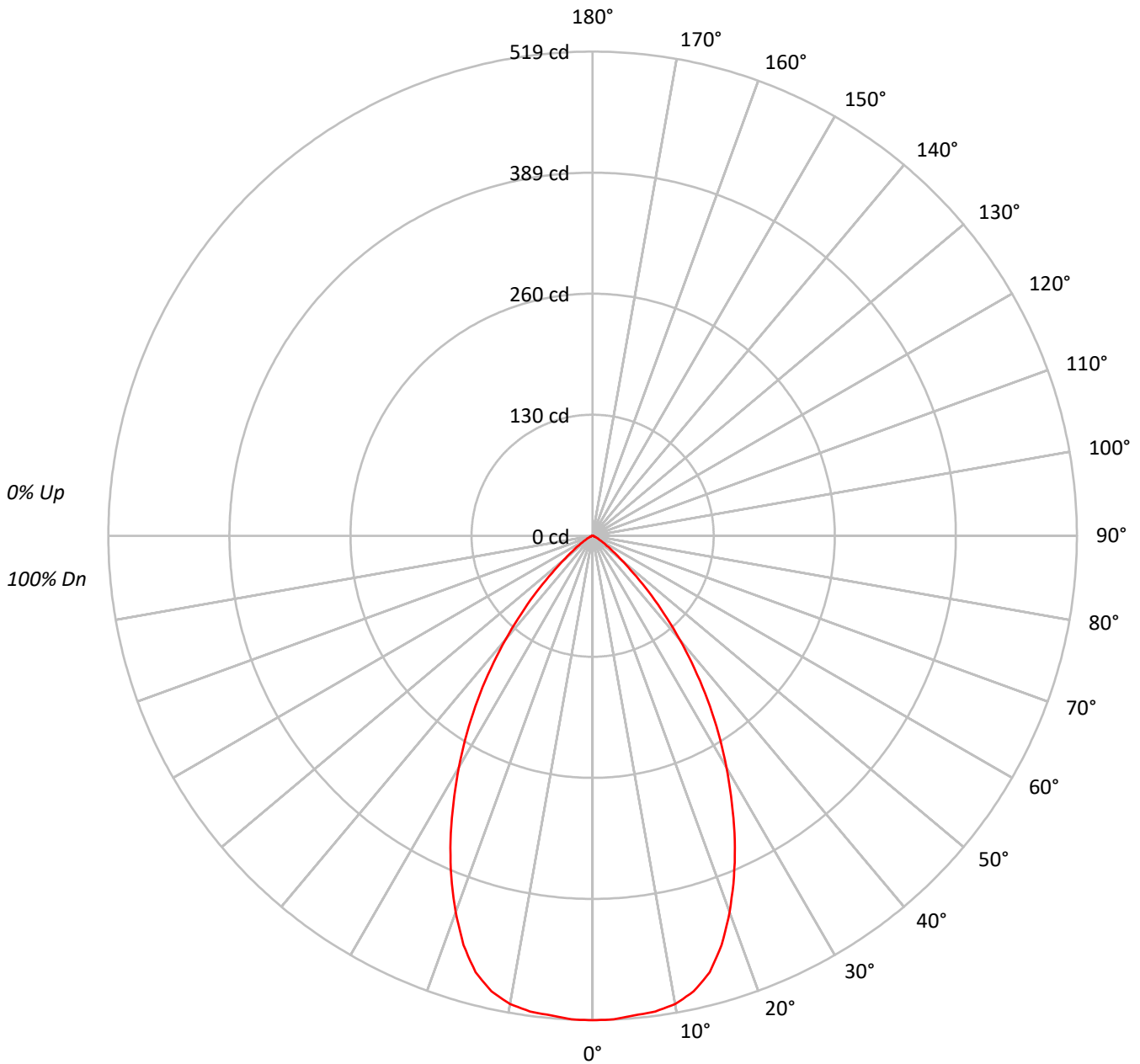


Downlight

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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	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	105	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	88	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°	30329
5°	30252
10°	30228
15°	29295
20°	26669
25°	23238
30°	19328
35°	15315
40°	11055
45°	6988
50°	3643
55°	1935
60°	1016
65°	553
70°	239
75°	248
80°	168
85°	134

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6988 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.1	8.6
10°-20°	134.5	23.5
20°-30°	164.4	28.7
30°-40°	133.4	23.3
40°-50°	66.5	11.6
50°-60°	18.5	3.2
60°-70°	4.2	0.7
70°-80°	1.1	0.2
80°-90°	0.3	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°	348.0	60.8
0°-40°	481.3	84.2
0°-60°	566.3	99.0
0°-90°	571.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	571.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	519	
5°	516	49
15°	484	134
25°	361	164
35°	215	133
45°	85	66
55°	19	19
65°	4	4
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	519.3
2.5°	518.9
5°	516.0
7.5°	514.3
10°	509.7
12.5°	500.2
15°	484.5
17.5°	459.9
20°	429.1
22.5°	395.8
25°	360.6
27.5°	323.0
30°	286.6
32.5°	250.7
35°	214.8
37.5°	179.0
40°	145.0
42.5°	113.1
45°	84.6
47.5°	58.9
50°	40.1
52.5°	27.6
55°	19.0
57.5°	12.8
60°	8.7
62.5°	6.0
65°	4.0
67.5°	2.1
70°	1.4
72.5°	1.3
75°	1.1
77.5°	0.8
80°	0.5
82.5°	0.4
85°	0.2
87.5°	0.2
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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Scaled Data Report



(END OF REPORT)