

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: P786381

Luminaire Tested: LERS6D10D010-EC6DR300210IC9040-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P786381  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LERS6D10D010-EC6DR300210IC9040-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2022.9 lumens  
Efficiency: N/A  
Efficacy: 172.9 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

Input Watts (W): 11.7  
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

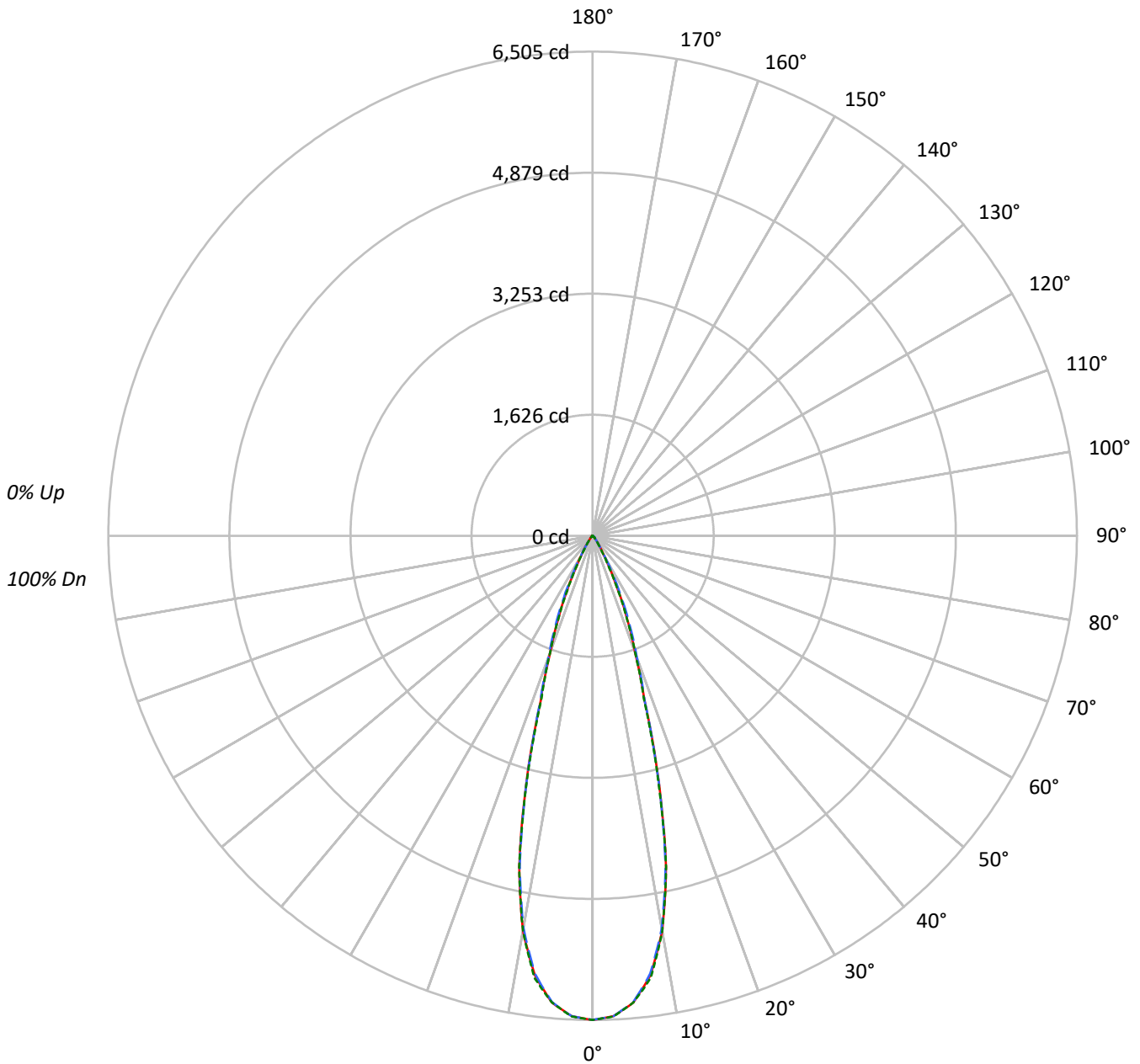


Downlight

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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	100	100	100	100													
	1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96	96	96	96	96	96													
	2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92	92	92	92	92	92													
	3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89	89	89	89	89	89													
	4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85	85	85	85	85	85													
	5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82	82	82	82	82	82													
	6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79	79	79	79	79	79													
	7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77	77	77	77	77	77													
	8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74	74	74	74	74	74													
	9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72	72	72	72	72	72													
	10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69	69	69	69	69	69													

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

	0°	45°	90°
0°	497884	497884	497884
5°	483597	483028	483620
10°	418863	415910	418770
15°	273287	271821	270458
20°	135893	140992	135713
25°	68452	77193	67050
30°	27408	29865	23882
35°	12708	12176	10204
40°	5486	6095	5166
45°	3875	4806	3908
50°	1334	3501	1405
55°	761	1455	814
60°	536	643	536
65°	344	344	344
70°	224	134	224
75°	0	89	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 4806 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	572.0	28.3
10°-20°	921.2	45.5
20°-30°	398.1	19.7
30°-40°	90.7	4.5
40°-50°	31.1	1.5
50°-60°	7.6	0.4
60°-70°	2.0	0.1
70°-80°	0.2	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°	1891.2	93.5
0°-40°	1982.0	98.0
0°-60°	2020.7	99.9
0°-90°	2022.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2022.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6505	6505	6505	6505	6505	
5°	6294	6288	6286	6300	6294	572
15°	3449	3407	3430	3419	3413	923
25°	810	841	914	820	794	388
35°	136	139	130	129	109	92
45°	36	44	44	44	36	25
55°	6	6	11	6	6	6
65°	2	2	2	2	2	2
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6504.6	6504.6	6504.6	6504.6	6504.6
2.5°	6461.5	6457.1	6459.6	6462.8	6464.1
5°	6293.9	6287.8	6286.5	6299.6	6294.2
7.5°	5955.7	5947.0	5934.0	5963.7	5991.4
10°	5389.1	5379.5	5351.1	5365.2	5387.9
12.5°	4552.7	4521.8	4521.1	4565.8	4559.8
15°	3448.7	3407.2	3430.2	3419.0	3413.0
17.5°	2319.2	2303.2	2333.9	2324.6	2284.7
20°	1668.3	1672.5	1730.9	1701.5	1666.1
22.5°	1217.4	1232.4	1301.7	1226.0	1198.2
25°	810.5	841.2	914.0	819.8	793.9
27.5°	498.5	512.6	586.3	492.1	478.1
30°	310.1	303.1	337.9	290.0	270.2
32.5°	203.4	194.5	205.7	184.6	168.6
35°	136.0	138.9	130.3	129.3	109.2
37.5°	84.9	97.7	86.2	92.0	70.3
40°	54.9	70.9	61.0	67.4	51.7
42.5°	45.0	54.6	50.1	53.3	46.0
45°	35.8	44.4	44.4	44.4	36.1
47.5°	19.8	29.7	38.0	30.3	21.1
50°	11.2	15.0	29.4	15.6	11.8
52.5°	7.7	8.6	20.1	8.9	8.0
55°	5.7	6.1	10.9	6.4	6.1
57.5°	4.5	4.8	5.7	4.8	4.5
60°	3.5	3.5	4.2	3.8	3.5
62.5°	2.6	2.6	2.9	2.6	2.6
65°	1.9	1.9	1.9	1.9	1.9
67.5°	1.0	1.3	1.3	1.3	1.3
70°	1.0	0.6	0.6	0.6	1.0
72.5°	0.6	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.3	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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(END OF REPORT)