

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: P785750

Luminaire Tested: LERS6D05D010-EC6DR300210IC9030-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P785750  
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: LERS6D05D010-EC6DR300210IC9030-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1244.9 lumens  
Efficiency: N/A  
Efficacy: 166.0 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): 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

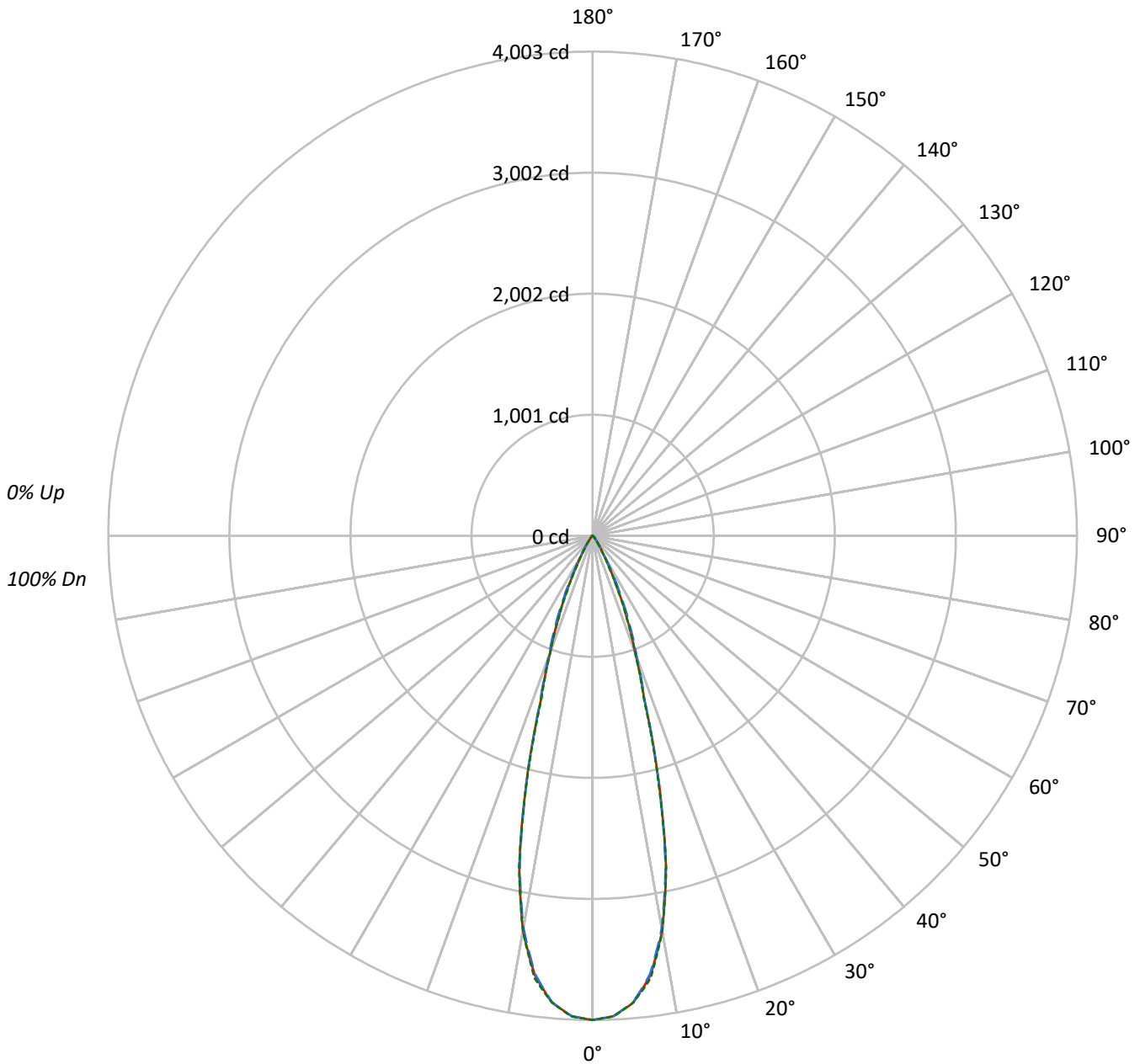


Downlight

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

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

	0°	45°	90°
0°	306388	306388	306388
5°	297593	297247	297608
10°	257757	255946	257702
15°	168179	167275	166427
20°	83623	86767	83517
25°	42127	47507	41265
30°	16864	18375	14698
35°	7821	7494	6279
40°	3377	3747	3177
45°	2381	2955	2403
50°	822	2155	869
55°	467	894	494
60°	337	398	337
65°	217	217	217
70°	134	90	134
75°	0	59	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 2955 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	352.0	28.3
10°-20°	566.9	45.5
20°-30°	245.0	19.7
30°-40°	55.8	4.5
40°-50°	19.2	1.5
50°-60°	4.7	0.4
60°-70°	1.2	0.1
70°-80°	0.1	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°	1163.8	93.5
0°-40°	1219.7	98.0
0°-60°	1243.5	99.9
0°-90°	1244.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1244.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4003	4003	4003	4003	4003	
5°	3873	3869	3869	3877	3873	352
15°	2122	2097	2111	2104	2100	568
25°	499	518	562	504	489	239
35°	84	86	80	80	67	57
45°	22	27	27	27	22	16
55°	4	4	7	4	4	3
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4002.8	4002.8	4002.8	4002.8	4002.8
2.5°	3976.3	3973.5	3975.1	3977.1	3977.8
5°	3873.1	3869.4	3868.6	3876.6	3873.3
7.5°	3665.0	3659.7	3651.6	3669.9	3687.0
10°	3316.3	3310.4	3293.0	3301.6	3315.6
12.5°	2801.6	2782.6	2782.2	2809.7	2806.0
15°	2122.3	2096.7	2110.9	2104.0	2100.2
17.5°	1427.2	1417.3	1436.2	1430.5	1405.9
20°	1026.6	1029.2	1065.2	1047.1	1025.3
22.5°	749.1	758.4	801.0	754.5	737.4
25°	498.8	517.6	562.5	504.5	488.6
27.5°	306.8	315.4	360.8	302.8	294.2
30°	190.8	186.5	207.9	178.4	166.3
32.5°	125.2	119.7	126.6	113.6	103.8
35°	83.7	85.5	80.2	79.6	67.2
37.5°	52.3	60.1	53.1	56.6	43.2
40°	33.8	43.6	37.5	41.5	31.8
42.5°	27.7	33.6	30.9	32.8	28.3
45°	22.0	27.3	27.3	27.3	22.2
47.5°	12.2	18.3	23.4	18.7	13.0
50°	6.9	9.2	18.1	9.6	7.3
52.5°	4.7	5.3	12.4	5.5	4.9
55°	3.5	3.7	6.7	3.9	3.7
57.5°	2.8	2.9	3.5	2.9	2.8
60°	2.2	2.2	2.6	2.4	2.2
62.5°	1.6	1.6	1.8	1.6	1.6
65°	1.2	1.2	1.2	1.2	1.2
67.5°	0.6	0.8	0.8	0.8	0.8
70°	0.6	0.4	0.4	0.4	0.6
72.5°	0.4	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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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