

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: P787708

Luminaire Tested: LER6D05D010-EC6DR300210IC9027-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P787708  
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: LER6D05D010-EC6DR300210IC9027-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1148.2 lumens  
Efficiency: N/A  
Efficacy: 153.1 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

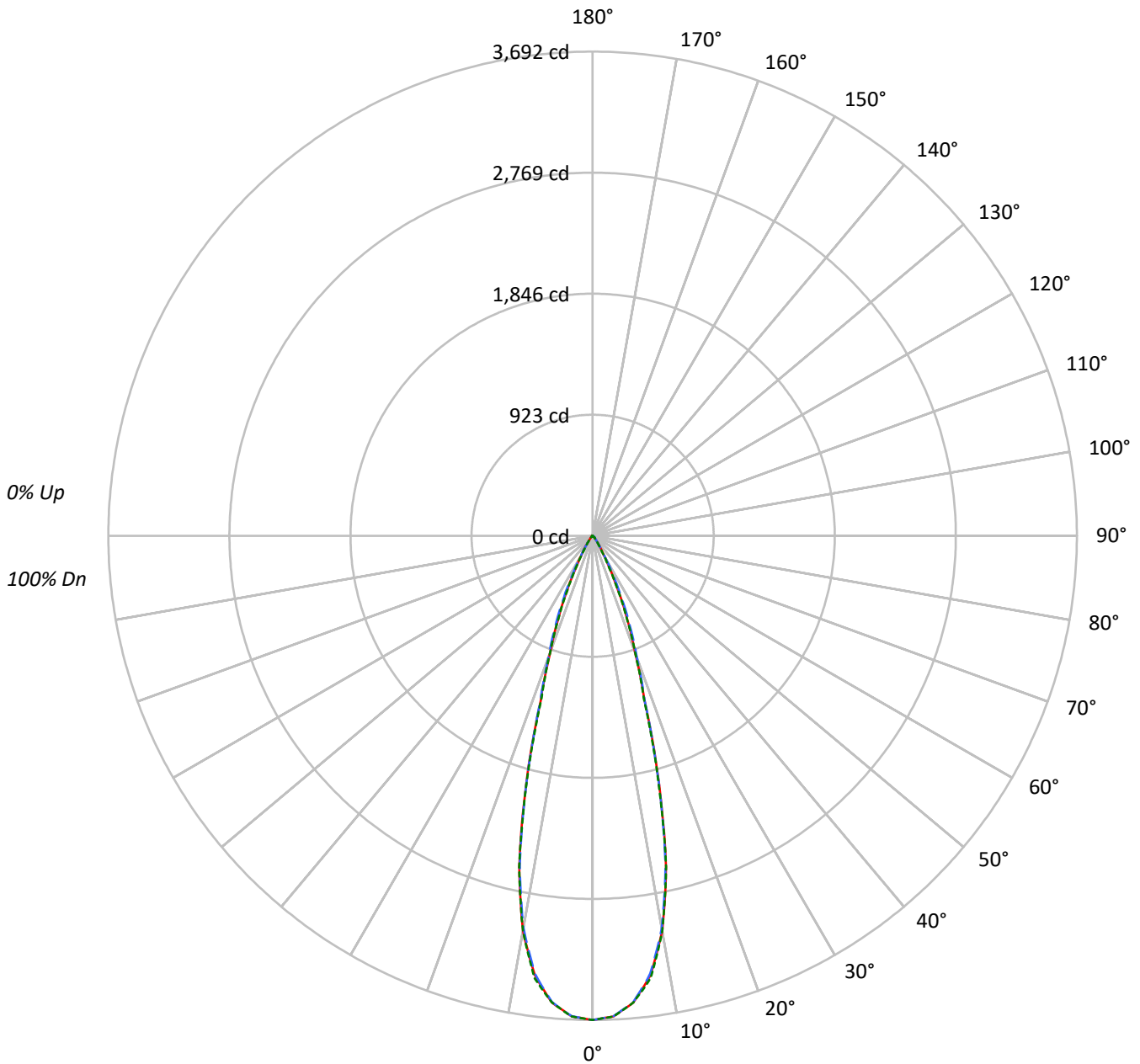


Downlight

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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°	282598	282598	282598
5°	274480	274165	274496
10°	237743	236072	237688
15°	155119	154287	153511
20°	77130	80030	77033
25°	38850	43816	38056
30°	15556	16952	13549
35°	7214	6915	5793
40°	3118	3457	2938
45°	2197	2728	2219
50°	750	1989	798
55°	440	827	454
60°	306	367	306
65°	199	199	199
70°	112	90	112
75°	0	59	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 2728 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	324.7	28.3
10°-20°	522.9	45.5
20°-30°	225.9	19.7
30°-40°	51.5	4.5
40°-50°	17.7	1.5
50°-60°	4.3	0.4
60°-70°	1.1	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°	1073.5	93.5
0°-40°	1124.9	98.0
0°-60°	1147.0	99.9
0°-90°	1148.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1148.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3692	3692	3692	3692	3692	
5°	3572	3569	3568	3576	3572	325
15°	1958	1934	1947	1941	1937	524
25°	460	477	519	465	451	220
35°	77	79	74	73	62	52
45°	20	25	25	25	20	14
55°	3	3	6	4	3	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°	3692.0	3692.0	3692.0	3692.0	3692.0
2.5°	3667.5	3665.0	3666.4	3668.2	3669.0
5°	3572.3	3568.9	3568.2	3575.6	3572.5
7.5°	3380.4	3375.5	3368.1	3384.9	3400.7
10°	3058.8	3053.4	3037.3	3045.2	3058.1
12.5°	2584.1	2566.5	2566.2	2591.5	2588.1
15°	1957.5	1933.9	1947.0	1940.6	1937.2
17.5°	1316.3	1307.3	1324.7	1319.4	1296.8
20°	946.9	949.3	982.5	965.8	945.7
22.5°	691.0	699.5	738.8	695.9	680.1
25°	460.0	477.4	518.8	465.3	450.6
27.5°	283.0	290.9	332.8	279.3	271.4
30°	176.0	172.0	191.8	164.6	153.3
32.5°	115.5	110.4	116.7	104.8	95.7
35°	77.2	78.8	74.0	73.4	62.0
37.5°	48.2	55.5	48.9	52.2	39.9
40°	31.2	40.2	34.6	38.2	29.4
42.5°	25.6	31.0	28.5	30.3	26.1
45°	20.3	25.2	25.2	25.2	20.5
47.5°	11.2	16.9	21.6	17.2	12.0
50°	6.3	8.5	16.7	8.9	6.7
52.5°	4.4	4.9	11.4	5.1	4.5
55°	3.3	3.4	6.2	3.6	3.4
57.5°	2.5	2.7	3.3	2.7	2.5
60°	2.0	2.0	2.4	2.2	2.0
62.5°	1.5	1.5	1.6	1.5	1.5
65°	1.1	1.1	1.1	1.1	1.1
67.5°	0.5	0.7	0.7	0.7	0.7
70°	0.5	0.4	0.4	0.4	0.5
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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(END OF REPORT)