

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



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: P787741

Luminaire Tested: LER6D05D010-EC6DR300210IC9050-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P787741  
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-EC6DR300210IC9050-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1334.6 lumens  
Efficiency: N/A  
Efficacy: 177.9 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

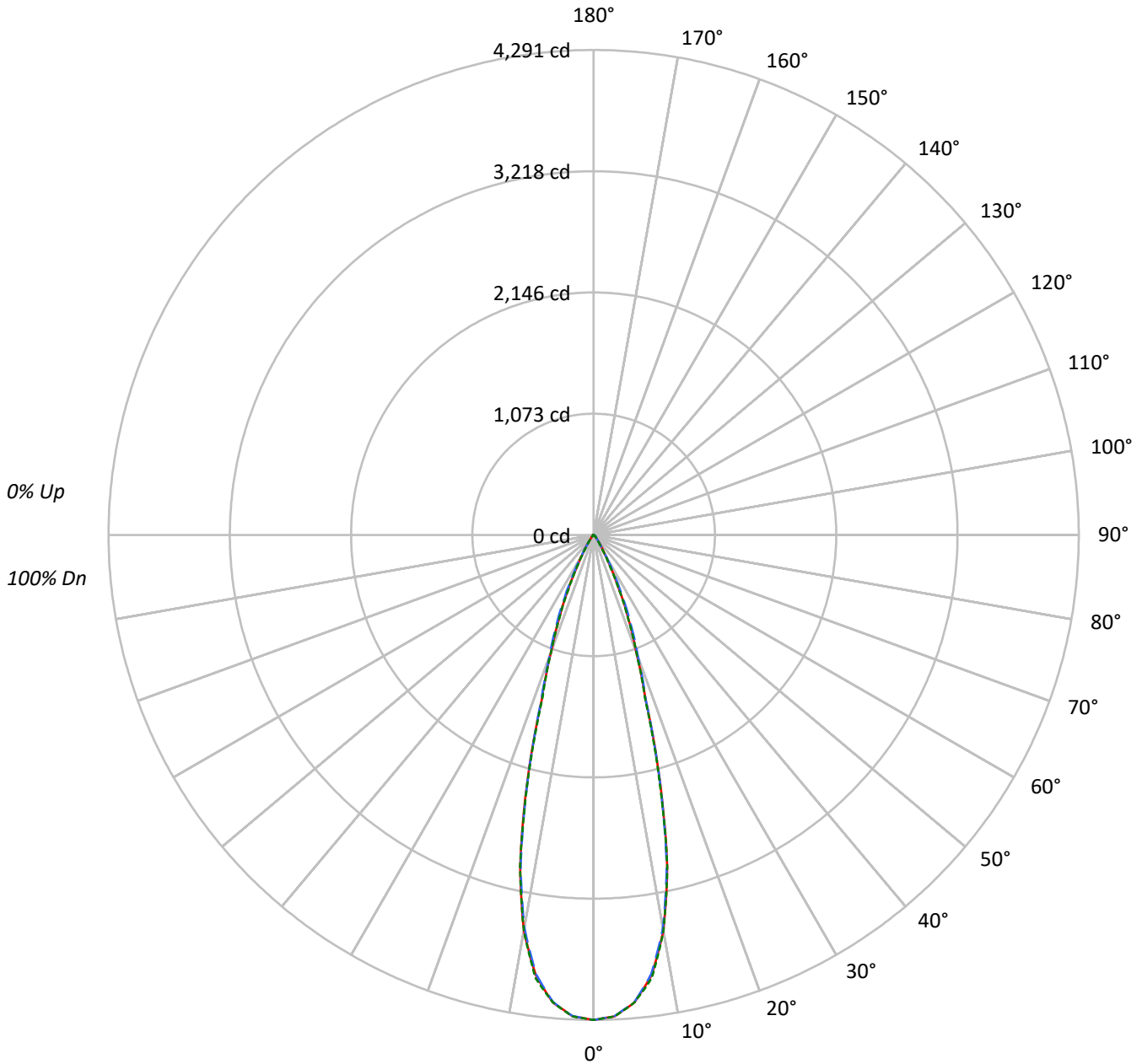
Input Watts (W): 7.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	328471	328471	328471
5°	319038	318669	319053
10°	276341	274390	276271
15°	180295	179328	178425
20°	89650	93014	89536
25°	45159	50927	44238
30°	18084	19701	15750
35°	8391	8036	6737
40°	3617	4017	3407
45°	2555	3172	2576
50°	881	2310	929
55°	507	961	534
60°	352	413	352
65°	235	235	235
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: 3172 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	377.4	28.3
10°-20°	607.7	45.5
20°-30°	262.6	19.7
30°-40°	59.9	4.5
40°-50°	20.6	1.5
50°-60°	5.0	0.4
60°-70°	1.3	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°	1247.7	93.5
0°-40°	1307.6	98.0
0°-60°	1333.1	99.9
0°-90°	1334.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1334.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4291	4291	4291	4291	4291	
5°	4152	4148	4147	4156	4152	378
15°	2275	2248	2263	2256	2252	609
25°	535	555	603	541	524	256
35°	90	92	86	85	72	61
45°	24	29	29	29	24	17
55°	4	4	7	4	4	4
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	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4291.3	4291.3	4291.3	4291.3	4291.3
2.5°	4262.8	4259.9	4261.6	4263.7	4264.5
5°	4152.2	4148.2	4147.4	4156.0	4152.4
7.5°	3929.1	3923.4	3914.8	3934.4	3952.7
10°	3555.4	3549.0	3530.3	3539.6	3554.5
12.5°	3003.6	2983.1	2982.7	3012.2	3008.2
15°	2275.2	2247.8	2263.0	2255.6	2251.6
17.5°	1530.0	1519.5	1539.7	1533.6	1507.3
20°	1100.6	1103.4	1141.9	1122.5	1099.2
22.5°	803.1	813.0	858.8	808.8	790.5
25°	534.7	555.0	603.0	540.8	523.8
27.5°	328.9	338.2	386.8	324.7	315.4
30°	204.6	199.9	222.9	191.3	178.2
32.5°	134.2	128.3	135.7	121.8	111.2
35°	89.8	91.6	86.0	85.3	72.1
37.5°	56.0	64.5	56.9	60.7	46.4
40°	36.2	46.8	40.2	44.5	34.1
42.5°	29.7	36.0	33.1	35.2	30.3
45°	23.6	29.3	29.3	29.3	23.8
47.5°	13.1	19.6	25.1	20.0	13.9
50°	7.4	9.9	19.4	10.3	7.8
52.5°	5.1	5.7	13.3	5.9	5.3
55°	3.8	4.0	7.2	4.2	4.0
57.5°	2.9	3.2	3.8	3.2	2.9
60°	2.3	2.3	2.7	2.5	2.3
62.5°	1.7	1.7	1.9	1.7	1.7
65°	1.3	1.3	1.3	1.3	1.3
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

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Scaled Data Report







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

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(END OF REPORT)