

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: P787725

Luminaire Tested: LER6D05D010-EC6DR300210IC9035-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P787725  
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-EC6DR300210IC9035-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1314.1 lumens  
Efficiency: N/A  
Efficacy: 175.2 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

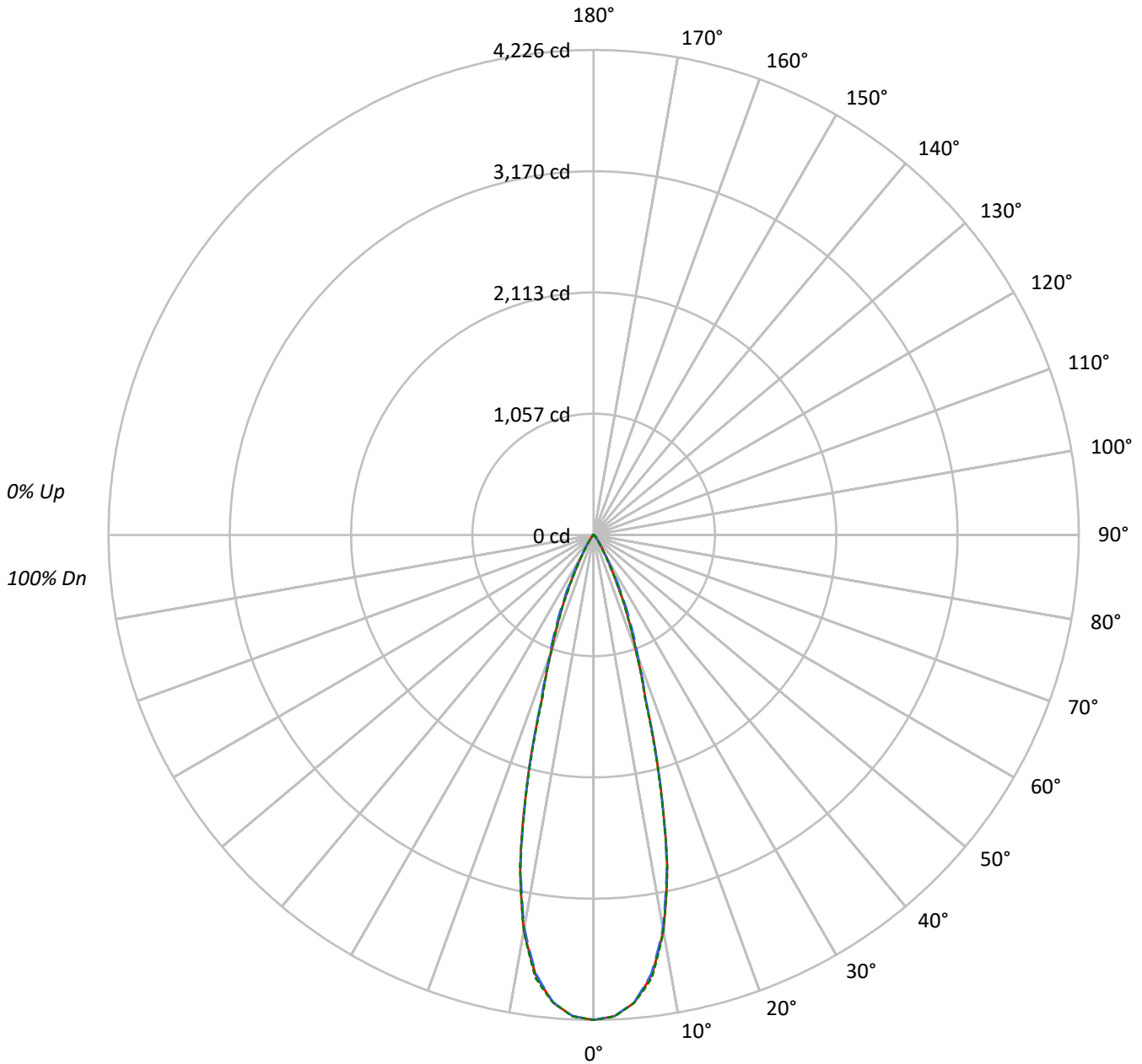
Input Watts (W): 7.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	323449	323449	323449
5°	314158	313797	314174
10°	272112	270193	272042
15°	177537	176586	175699
20°	88282	91597	88160
25°	44466	50150	43563
30°	17801	19400	15512
35°	8260	7905	6634
40°	3567	3957	3357
45°	2511	3118	2533
50°	869	2274	917
55°	494	947	520
60°	352	413	352
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: 3118 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	371.6	28.3
10°-20°	598.4	45.5
20°-30°	258.6	19.7
30°-40°	58.9	4.5
40°-50°	20.2	1.5
50°-60°	4.9	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°	1228.6	93.5
0°-40°	1287.6	98.0
0°-60°	1312.7	99.9
0°-90°	1314.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1314.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4226	4226	4226	4226	4226	
5°	4089	4085	4084	4092	4089	372
15°	2240	2213	2228	2221	2217	600
25°	526	546	594	533	516	252
35°	88	90	85	84	71	60
45°	23	29	29	29	23	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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4225.7	4225.7	4225.7	4225.7	4225.7
2.5°	4197.6	4194.7	4196.4	4198.5	4199.3
5°	4088.7	4084.8	4084.0	4092.5	4088.9
7.5°	3869.0	3863.4	3854.9	3874.2	3892.3
10°	3501.0	3494.8	3476.3	3485.4	3500.1
12.5°	2957.6	2937.5	2937.1	2966.1	2962.2
15°	2240.4	2213.4	2228.4	2221.1	2217.2
17.5°	1506.6	1496.2	1516.2	1510.1	1484.2
20°	1083.8	1086.5	1124.5	1105.4	1082.3
22.5°	790.9	800.6	845.6	796.5	778.4
25°	526.5	546.5	593.8	532.6	515.8
27.5°	323.9	333.0	380.9	319.7	310.6
30°	201.4	196.9	219.5	188.4	175.5
32.5°	132.2	126.3	133.6	119.9	109.5
35°	88.4	90.2	84.6	84.0	71.0
37.5°	55.2	63.5	56.0	59.8	45.6
40°	35.7	46.1	39.6	43.8	33.6
42.5°	29.3	35.5	32.6	34.6	29.9
45°	23.2	28.8	28.8	28.8	23.4
47.5°	12.9	19.3	24.7	19.7	13.7
50°	7.3	9.8	19.1	10.2	7.7
52.5°	5.0	5.6	13.1	5.8	5.2
55°	3.7	3.9	7.1	4.1	3.9
57.5°	2.9	3.1	3.7	3.1	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°	1.2	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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