

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: P787724

Luminaire Tested: LER6D05D010-EC6DR300210IC9035-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P787724  
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-EC6DR300210IC9035-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-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: 1251.6 lumens  
Efficiency: N/A  
Efficacy: 166.9 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

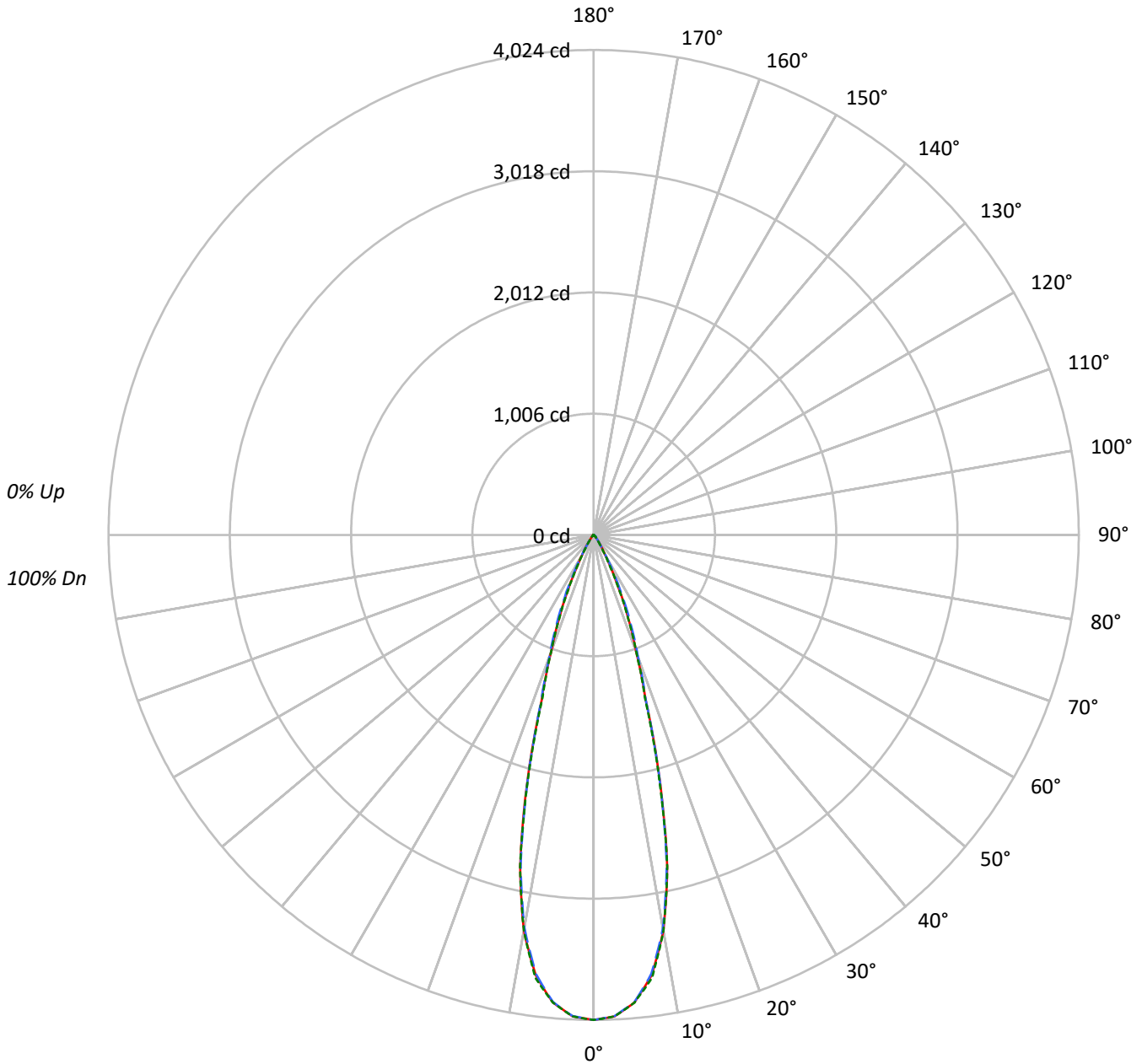
Input Watts (W): 7.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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

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

	0°	45°	90°
0°	308041	308041	308041
5°	299199	298853	299214
10°	259156	257329	259094
15°	169082	168179	167331
20°	84079	87231	83965
25°	42355	47760	41485
30°	16961	18472	14778
35°	7868	7531	6317
40°	3397	3767	3197
45°	2392	2977	2414
50°	822	2167	869
55°	480	894	507
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: 2977 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	353.9	28.3
10°-20°	569.9	45.5
20°-30°	246.3	19.7
30°-40°	56.1	4.5
40°-50°	19.3	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°	1170.1	93.5
0°-40°	1226.2	98.0
0°-60°	1250.2	99.9
0°-90°	1251.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1251.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4024	4024	4024	4024	4024	
5°	3894	3890	3890	3898	3894	354
15°	2134	2108	2122	2115	2112	571
25°	502	520	566	507	491	240
35°	84	86	81	80	68	57
45°	22	28	28	28	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°	4024.4	4024.4	4024.4	4024.4	4024.4
2.5°	3997.8	3995.0	3996.6	3998.5	3999.3
5°	3894.0	3890.3	3889.5	3897.6	3894.2
7.5°	3684.8	3679.4	3671.3	3689.7	3706.9
10°	3334.3	3328.3	3310.8	3319.4	3333.5
12.5°	2816.8	2797.6	2797.2	2824.9	2821.1
15°	2133.7	2108.0	2122.3	2115.4	2111.6
17.5°	1434.9	1425.0	1444.0	1438.2	1413.5
20°	1032.2	1034.8	1070.9	1052.7	1030.8
22.5°	753.2	762.5	805.4	758.5	741.3
25°	501.5	520.4	565.5	507.2	491.2
27.5°	308.4	317.1	362.8	304.5	295.8
30°	191.9	187.5	209.0	179.4	167.2
32.5°	125.9	120.3	127.2	114.2	104.3
35°	84.2	85.9	80.6	80.0	67.6
37.5°	52.6	60.5	53.3	56.9	43.5
40°	34.0	43.9	37.7	41.7	32.0
42.5°	27.9	33.8	31.0	33.0	28.5
45°	22.1	27.5	27.5	27.5	22.3
47.5°	12.3	18.4	23.5	18.8	13.0
50°	6.9	9.3	18.2	9.7	7.3
52.5°	4.7	5.3	12.4	5.5	4.9
55°	3.6	3.8	6.7	4.0	3.8
57.5°	2.8	3.0	3.6	3.0	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

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Scaled Data Report



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Scaled Data Report







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

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(END OF REPORT)