

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: P786616

Luminaire Tested: LERS6D15D010-EC6DR1515309035-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P786616  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LERS6D15D010-EC6DR1515309035-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1567.3 lumens  
Efficiency: N/A  
Efficacy: 99.2 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23  
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')  
CIE Type: Direct

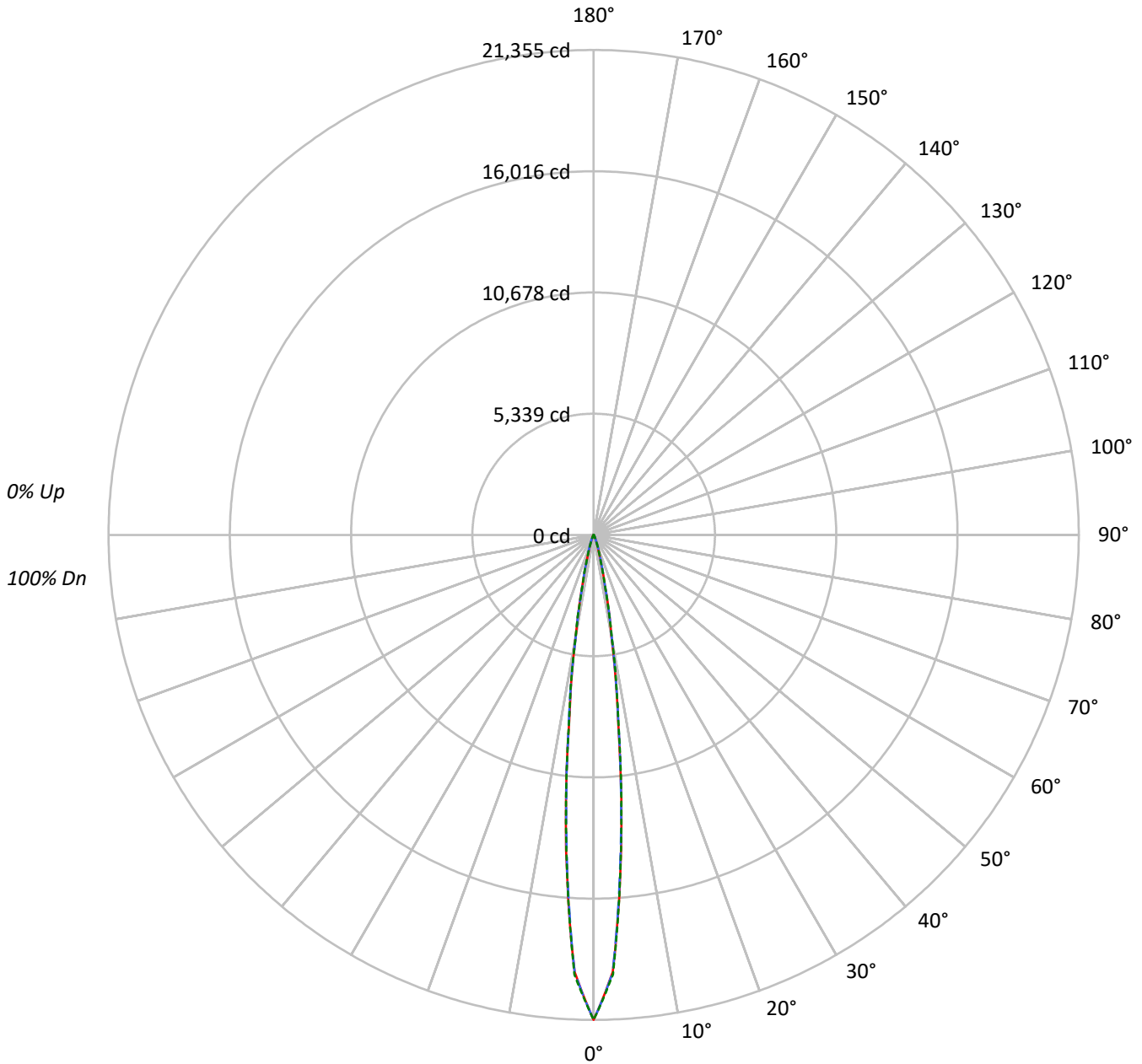
Input Watts (W): 15.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

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

	0°	45°	90°
0°	2402875	2402875	2402875
5°	1412042	1393759	1404786
10°	421433	424382	430876
15°	104828	106869	103568
20°	31363	36321	32025
25°	11054	14084	11194
30°	4059	5347	4126
35°	2033	2295	1968
40°	1285	1413	1285
45°	952	1015	952
50°	751	751	751
55°	626	626	626
60°	506	506	506
65°	385	385	385
70°	329	329	329
75°	204	204	272
80°	142	142	142
85°	75	75	75

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1015 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1016.5	64.9
10°-20°	418.1	26.7
20°-30°	83.0	5.3
30°-40°	20.7	1.3
40°-50°	10.9	0.7
50°-60°	8.0	0.5
60°-70°	5.7	0.4
70°-80°	3.2	0.2
80°-90°	1.0	0.1
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°	1517.7	96.8
0°-40°	1538.5	98.2
0°-60°	1557.4	99.4
0°-90°	1567.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1567.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	21355	21355	21355	21355	21355	
5°	13894	13751	13714	13809	13823	1015
15°	1207	1230	1230	1209	1192	414
25°	142	161	181	160	144	75
35°	28	30	32	30	27	19
45°	14	14	14	14	14	11
55°	9	9	9	9	9	8
65°	5	5	5	5	5	6
75°	3	3	3	3	4	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	21355.1	21355.1	21355.1	21355.1	21355.1
2.5°	19263.2	19279.4	19285.8	19304.8	19375.3
5°	13894.1	13751.3	13714.2	13809.1	13822.7
7.5°	8230.3	8259.3	8365.0	8388.5	8303.6
10°	4516.6	4553.6	4548.2	4580.7	4617.8
12.5°	2309.8	2280.9	2271.8	2308.9	2257.4
15°	1206.9	1229.5	1230.4	1208.7	1192.4
17.5°	649.1	675.3	718.7	683.5	629.2
20°	383.3	406.8	443.9	415.0	391.4
22.5°	236.9	255.8	282.1	259.5	240.5
25°	141.9	160.9	180.8	160.0	143.7
27.5°	84.1	100.3	113.0	99.4	83.2
30°	54.2	63.3	71.4	62.4	55.1
32.5°	38.0	41.6	45.2	41.6	38.0
35°	28.0	29.8	31.6	29.8	27.1
37.5°	21.7	23.5	24.4	22.6	20.8
40°	18.1	19.0	19.9	19.0	18.1
42.5°	15.4	16.3	16.3	16.3	15.4
45°	13.6	13.6	14.5	13.6	13.6
47.5°	11.8	11.8	12.7	11.8	11.8
50°	10.8	10.8	10.8	10.8	10.8
52.5°	9.9	9.9	9.9	9.9	9.9
55°	9.0	9.0	9.0	9.0	9.0
57.5°	8.1	8.1	8.1	8.1	8.1
60°	7.2	7.2	7.2	7.2	7.2
62.5°	6.3	6.3	6.3	6.3	6.3
65°	5.4	5.4	5.4	5.4	5.4
67.5°	5.4	5.4	5.4	5.4	5.4
70°	4.5	4.5	4.5	4.5	4.5
72.5°	3.6	3.6	3.6	3.6	3.6
75°	2.7	2.7	2.7	2.7	3.6
77.5°	2.7	2.7	2.7	2.7	2.7
80°	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8
85°	0.9	0.9	0.9	0.9	0.9
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)