

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: P789452

Luminaire Tested: LER6D15D010-EC6DR1515309035-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P789452  
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: LER6D15D010-EC6DR1515309035-6LBS1LI  
Description: 6 INCH ROUND SHALLOW 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: 1645.7 lumens  
Efficiency: N/A  
Efficacy: 104.2 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

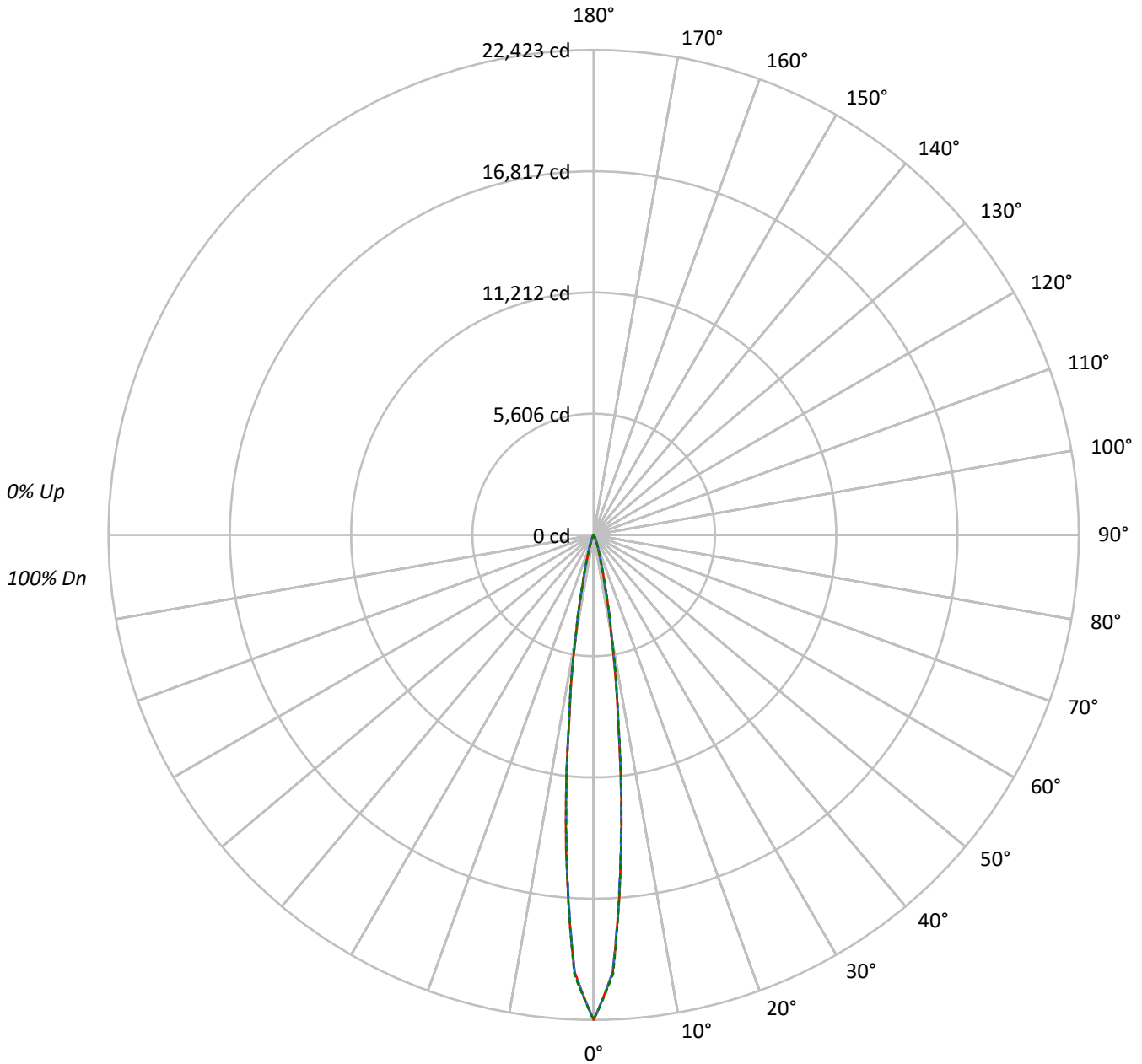
Input Watts (W): 15.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	99	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°	2523024	2523024	2523024
5°	1482644	1463446	1475022
10°	442502	445600	452421
15°	110065	112210	108745
20°	32934	38138	33629
25°	11607	14786	11755
30°	4268	5616	4336
35°	2135	2411	2070
40°	1349	1484	1349
45°	994	1064	994
50°	793	793	793
55°	661	661	661
60°	534	534	534
65°	407	407	407
70°	344	344	344
75°	212	212	287
80°	150	150	150
85°	75	75	75

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1064 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1067.4	64.9
10°-20°	439.0	26.7
20°-30°	87.2	5.3
30°-40°	21.8	1.3
40°-50°	11.4	0.7
50°-60°	8.5	0.5
60°-70°	6.0	0.4
70°-80°	3.4	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°	1593.6	96.8
0°-40°	1615.4	98.2
0°-60°	1635.3	99.4
0°-90°	1645.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1645.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	22423	22423	22423	22423	22423	
5°	14589	14439	14400	14500	14514	1065
15°	1267	1291	1292	1269	1252	434
25°	149	169	190	168	151	78
35°	29	31	33	31	28	20
45°	14	14	15	14	14	11
55°	10	10	10	10	10	8
65°	6	6	6	6	6	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°	22422.9	22422.9	22422.9	22422.9	22422.9
2.5°	20226.3	20243.4	20250.1	20270.0	20344.0
5°	14588.8	14438.8	14399.9	14499.6	14513.8
7.5°	8641.8	8672.2	8783.3	8808.0	8718.7
10°	4742.4	4781.3	4775.6	4809.8	4848.7
12.5°	2425.3	2394.9	2385.4	2424.3	2370.2
15°	1267.2	1291.0	1291.9	1269.1	1252.0
17.5°	681.6	709.1	754.6	717.6	660.7
20°	402.5	427.2	466.1	435.7	411.0
22.5°	248.7	268.6	296.2	272.4	252.5
25°	149.0	169.0	189.8	168.0	150.9
27.5°	88.3	105.4	118.7	104.4	87.3
30°	57.0	66.4	75.0	65.5	57.9
32.5°	39.9	43.7	47.5	43.7	39.9
35°	29.4	31.3	33.2	31.3	28.5
37.5°	22.8	24.7	25.6	23.7	21.8
40°	19.0	19.9	20.9	19.9	19.0
42.5°	16.1	17.1	17.1	17.1	16.1
45°	14.2	14.2	15.2	14.2	14.2
47.5°	12.3	12.3	13.3	12.3	12.3
50°	11.4	11.4	11.4	11.4	11.4
52.5°	10.4	10.4	10.4	10.4	10.4
55°	9.5	9.5	9.5	9.5	9.5
57.5°	8.5	8.5	8.5	8.5	8.5
60°	7.6	7.6	7.6	7.6	7.6
62.5°	6.6	6.6	6.6	6.6	6.6
65°	5.7	5.7	5.7	5.7	5.7
67.5°	5.7	5.7	5.7	5.7	5.7
70°	4.7	4.7	4.7	4.7	4.7
72.5°	3.8	3.8	3.8	3.8	3.8
75°	2.8	2.8	2.8	2.8	2.8
77.5°	2.8	2.8	2.8	2.8	2.8
80°	1.9	1.9	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	1.9	1.9
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)