

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: P789463

Luminaire Tested: LER6D15D010-EC6DR1515309050-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P789463  
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-EC6DR1515309050-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1587.7 lumens  
Efficiency: N/A  
Efficacy: 100.5 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

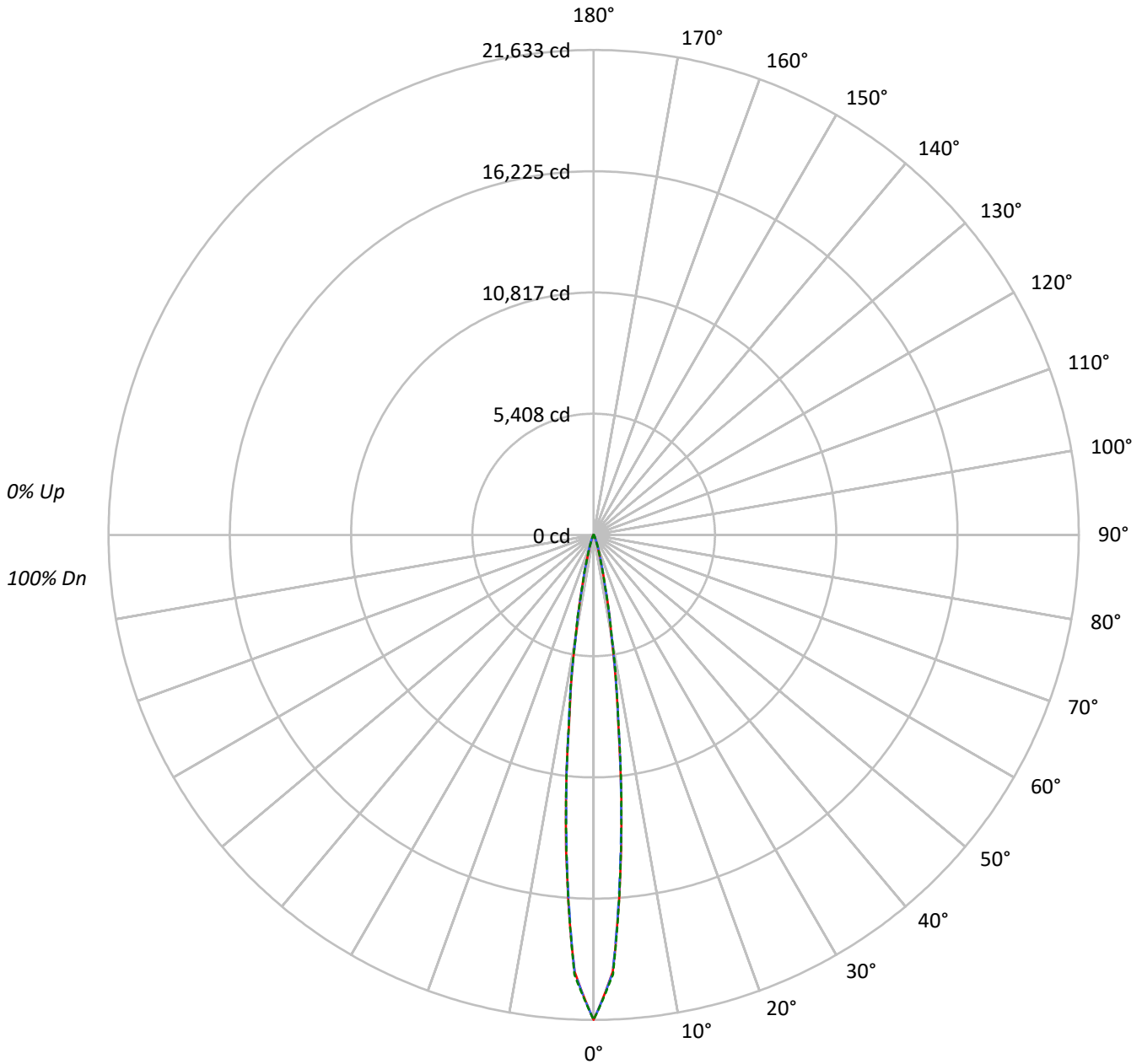
Input Watts (W): 15.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

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

	0°	45°	90°
0°	2434099	2434099	2434099
5°	1430386	1411869	1423038
10°	426901	429896	436474
15°	106191	108258	104914
20°	31772	36788	32443
25°	11202	14271	11342
30°	4111	5414	4186
35°	2062	2331	1997
40°	1300	1427	1300
45°	959	1029	959
50°	765	765	765
55°	640	640	640
60°	513	513	513
65°	393	393	393
70°	336	336	336
75°	204	204	280
80°	142	142	142
85°	75	75	75

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1029 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1029.8	64.9
10°-20°	423.6	26.7
20°-30°	84.1	5.3
30°-40°	21.0	1.3
40°-50°	11.0	0.7
50°-60°	8.2	0.5
60°-70°	5.8	0.4
70°-80°	3.3	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°	1537.4	96.8
0°-40°	1558.4	98.2
0°-60°	1577.7	99.4
0°-90°	1587.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1587.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	21633	21633	21633	21633	21633	
5°	14075	13930	13892	13988	14002	1028
15°	1223	1246	1246	1224	1208	419
25°	144	163	183	162	146	76
35°	28	30	32	30	28	19
45°	14	14	15	14	14	11
55°	9	9	9	9	9	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°	21632.6	21632.6	21632.6	21632.6	21632.6
2.5°	19513.5	19529.9	19536.3	19555.6	19627.0
5°	14074.6	13929.9	13892.4	13988.5	14002.3
7.5°	8337.3	8366.6	8473.7	8497.5	8411.4
10°	4575.2	4612.8	4607.3	4640.3	4677.8
12.5°	2339.8	2310.5	2301.4	2338.9	2286.7
15°	1222.6	1245.5	1246.4	1224.4	1207.9
17.5°	657.5	684.1	728.0	692.3	637.4
20°	388.3	412.1	449.6	420.3	396.5
22.5°	239.9	259.2	285.7	262.8	243.6
25°	143.8	163.0	183.2	162.1	145.6
27.5°	85.2	101.7	114.5	100.7	84.3
30°	54.9	64.1	72.3	63.2	55.9
32.5°	38.5	42.1	45.8	42.1	38.5
35°	28.4	30.2	32.1	30.2	27.5
37.5°	22.0	23.8	24.7	22.9	21.1
40°	18.3	19.2	20.1	19.2	18.3
42.5°	15.6	16.5	16.5	16.5	15.6
45°	13.7	13.7	14.7	13.7	13.7
47.5°	11.9	11.9	12.8	11.9	11.9
50°	11.0	11.0	11.0	11.0	11.0
52.5°	10.1	10.1	10.1	10.1	10.1
55°	9.2	9.2	9.2	9.2	9.2
57.5°	8.2	8.2	8.2	8.2	8.2
60°	7.3	7.3	7.3	7.3	7.3
62.5°	6.4	6.4	6.4	6.4	6.4
65°	5.5	5.5	5.5	5.5	5.5
67.5°	5.5	5.5	5.5	5.5	5.5
70°	4.6	4.6	4.6	4.6	4.6
72.5°	3.7	3.7	3.7	3.7	3.7
75°	2.7	2.7	2.7	2.7	3.7
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

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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(END OF REPORT)