

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: P788829

Luminaire Tested: LER6D10D010-EC6DR150210IC9035-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788829  
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: LER6D10D010-EC6DR150210IC9035-6LBS1LI  
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: 1224.7 lumens  
Efficiency: N/A  
Efficacy: 104.7 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

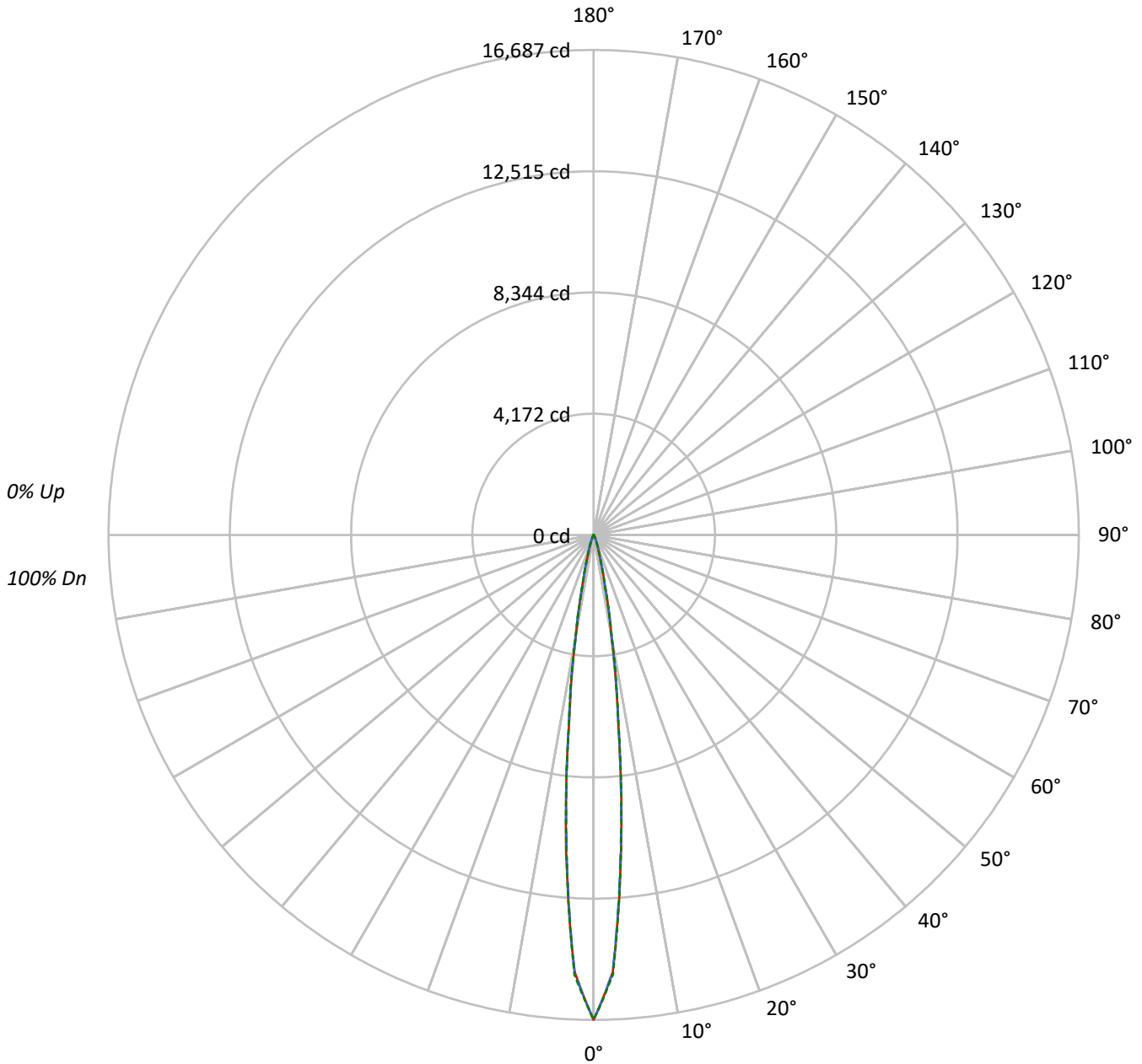
Input Watts (W): 11.7  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	1877632	1877632	1877632
5°	1103385	1089106	1097714
10°	329310	331615	336691
15°	81915	83504	80933
20°	24506	28384	25030
25°	8639	11007	8748
30°	3175	4178	3227
35°	1590	1794	1540
40°	1001	1101	1001
45°	742	791	742
50°	591	591	591
55°	494	494	494
60°	400	400	400
65°	300	300	300
70°	256	256	256
75°	159	159	212
80°	110	110	110
85°	58	58	58

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 791 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	794.3	64.9
10°-20°	326.7	26.7
20°-30°	64.9	5.3
30°-40°	16.2	1.3
40°-50°	8.5	0.7
50°-60°	6.3	0.5
60°-70°	4.4	0.4
70°-80°	2.5	0.2
80°-90°	0.8	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°	1186.0	96.8
0°-40°	1202.2	98.2
0°-60°	1217.0	99.4
0°-90°	1224.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1224.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	16687	16687	16687	16687	16687	
5°	10857	10745	10716	10791	10801	793
15°	943	961	961	944	932	323
25°	111	126	141	125	112	58
35°	22	23	25	23	21	15
45°	11	11	11	11	11	8
55°	7	7	7	7	7	6
65°	4	4	4	4	4	4
75°	2	2	2	2	3	2
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°	16687.1	16687.1	16687.1	16687.1	16687.1
2.5°	15052.5	15065.2	15070.1	15085.0	15140.1
5°	10857.0	10745.4	10716.5	10790.6	10801.2
7.5°	6431.3	6453.9	6536.5	6554.9	6488.5
10°	3529.3	3558.3	3554.0	3579.4	3608.4
12.5°	1804.9	1782.3	1775.2	1804.2	1763.9
15°	943.1	960.7	961.4	944.5	931.8
17.5°	507.2	527.7	561.6	534.1	491.7
20°	299.5	317.9	346.9	324.2	305.9
22.5°	185.1	199.9	220.4	202.7	187.9
25°	110.9	125.7	141.3	125.0	112.3
27.5°	65.7	78.4	88.3	77.7	65.0
30°	42.4	49.4	55.8	48.7	43.1
32.5°	29.7	32.5	35.3	32.5	29.7
35°	21.9	23.3	24.7	23.3	21.2
37.5°	17.0	18.4	19.1	17.7	16.2
40°	14.1	14.8	15.5	14.8	14.1
42.5°	12.0	12.7	12.7	12.7	12.0
45°	10.6	10.6	11.3	10.6	10.6
47.5°	9.2	9.2	9.9	9.2	9.2
50°	8.5	8.5	8.5	8.5	8.5
52.5°	7.8	7.8	7.8	7.8	7.8
55°	7.1	7.1	7.1	7.1	7.1
57.5°	6.4	6.4	6.4	6.4	6.4
60°	5.7	5.7	5.7	5.7	5.7
62.5°	4.9	4.9	4.9	4.9	4.9
65°	4.2	4.2	4.2	4.2	4.2
67.5°	4.2	4.2	4.2	4.2	4.2
70°	3.5	3.5	3.5	3.5	3.5
72.5°	2.8	2.8	2.8	2.8	2.8
75°	2.1	2.1	2.1	2.1	2.8
77.5°	2.1	2.1	2.1	2.1	2.1
80°	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4
85°	0.7	0.7	0.7	0.7	0.7
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)