

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: P760964

Luminaire Tested: LD6D15D010-EU6DR1515309027-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P760964  
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: LD6D15D010-EU6DR1515309027-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1240.7 lumens  
Efficiency: N/A  
Efficacy: 78.5 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 (Ain): 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



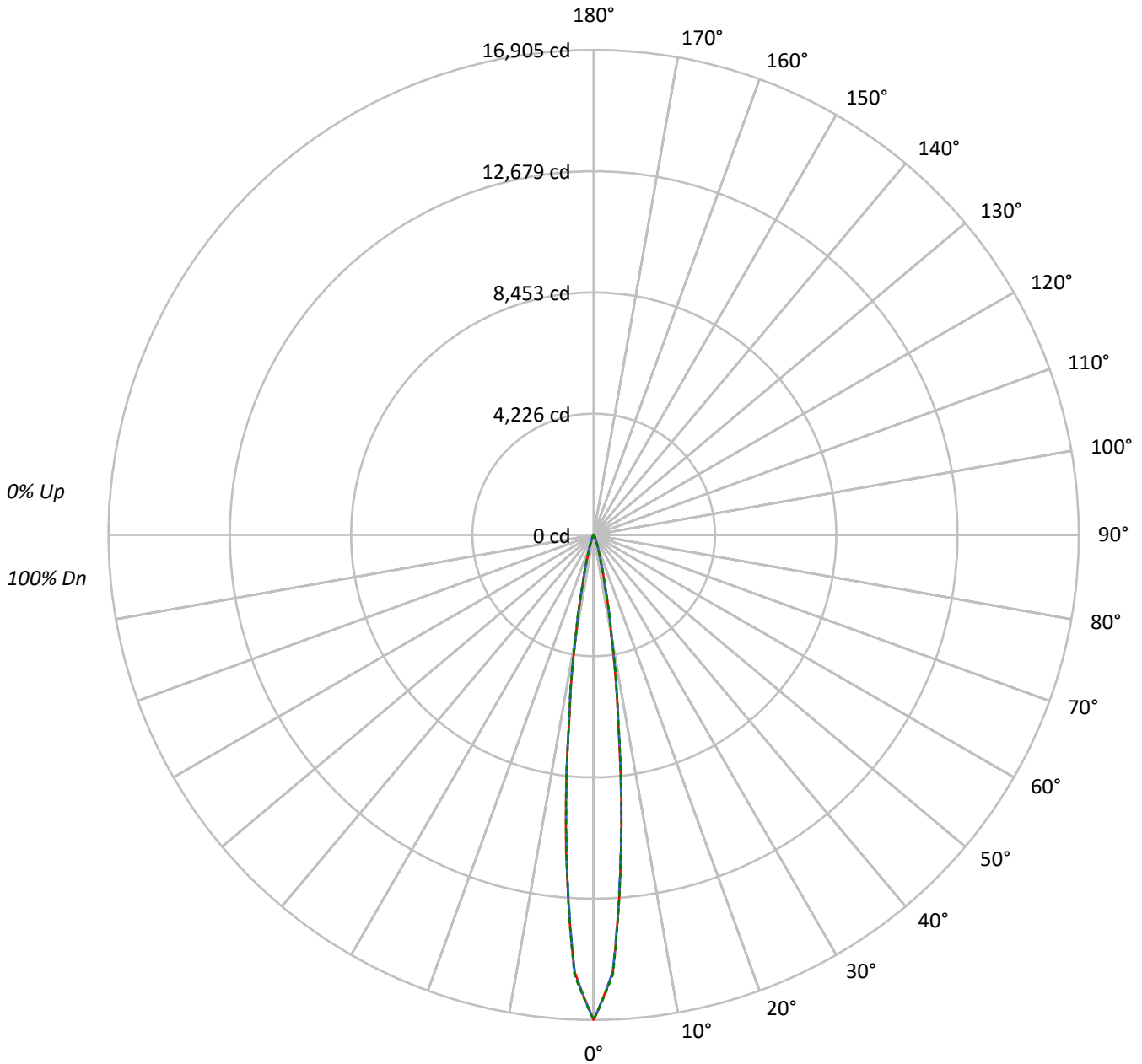
Downlight



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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°	1902172	1902172	1902172
5°	1117806	1103334	1112064
10°	333612	335954	341095
15°	82983	84599	81993
20°	24825	28753	25357
25°	8756	11148	8865
30°	3212	4231	3272
35°	1612	1815	1561
40°	1016	1115	1016
45°	749	805	749
50°	598	598	598
55°	501	501	501
60°	400	400	400
65°	307	307	307
70°	263	263	263
75°	159	159	219
80°	110	110	110
85°	58	58	58

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 805 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	804.7	64.9
10°-20°	331.0	26.7
20°-30°	65.7	5.3
30°-40°	16.4	1.3
40°-50°	8.6	0.7
50°-60°	6.4	0.5
60°-70°	4.5	0.4
70°-80°	2.6	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°	1201.5	96.8
0°-40°	1217.9	98.2
0°-60°	1232.9	99.4
0°-90°	1240.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1240.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	16905	16905	16905	16905	16905	
5°	10999	10886	10856	10932	10942	803
15°	955	973	974	957	944	328
25°	112	127	143	127	114	59
35°	22	24	25	24	22	15
45°	11	11	12	11	11	8
55°	7	7	7	7	7	6
65°	4	4	4	4	4	5
75°	2	2	2	2	3	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°	16905.2	16905.2	16905.2	16905.2	16905.2
2.5°	15249.2	15262.1	15267.1	15282.1	15338.0
5°	10998.9	10885.9	10856.5	10931.7	10942.4
7.5°	6515.3	6538.2	6622.0	6640.6	6573.3
10°	3575.4	3604.8	3600.5	3626.2	3655.6
12.5°	1828.5	1805.6	1798.4	1827.8	1787.0
15°	955.4	973.3	974.0	956.8	944.0
17.5°	513.8	534.6	568.9	541.0	498.1
20°	303.4	322.0	351.4	328.5	309.9
22.5°	187.5	202.5	223.3	205.4	190.4
25°	112.4	127.4	143.1	126.7	113.8
27.5°	66.6	79.4	89.5	78.7	65.8
30°	42.9	50.1	56.5	49.4	43.7
32.5°	30.1	32.9	35.8	32.9	30.1
35°	22.2	23.6	25.0	23.6	21.5
37.5°	17.2	18.6	19.3	17.9	16.5
40°	14.3	15.0	15.7	15.0	14.3
42.5°	12.2	12.9	12.9	12.9	12.2
45°	10.7	10.7	11.5	10.7	10.7
47.5°	9.3	9.3	10.0	9.3	9.3
50°	8.6	8.6	8.6	8.6	8.6
52.5°	7.9	7.9	7.9	7.9	7.9
55°	7.2	7.2	7.2	7.2	7.2
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°	5.0	5.0	5.0	5.0	5.0
65°	4.3	4.3	4.3	4.3	4.3
67.5°	4.3	4.3	4.3	4.3	4.3
70°	3.6	3.6	3.6	3.6	3.6
72.5°	2.9	2.9	2.9	2.9	2.9
75°	2.1	2.1	2.1	2.1	2.9
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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