

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: P757911

Luminaire Tested: LD6D05D010-EU6DR150210IC9024-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P757911  
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: LD6D05D010-EU6DR150210IC9024-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 528.8 lumens  
Efficiency: N/A  
Efficacy: 70.5 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): 7.5  
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

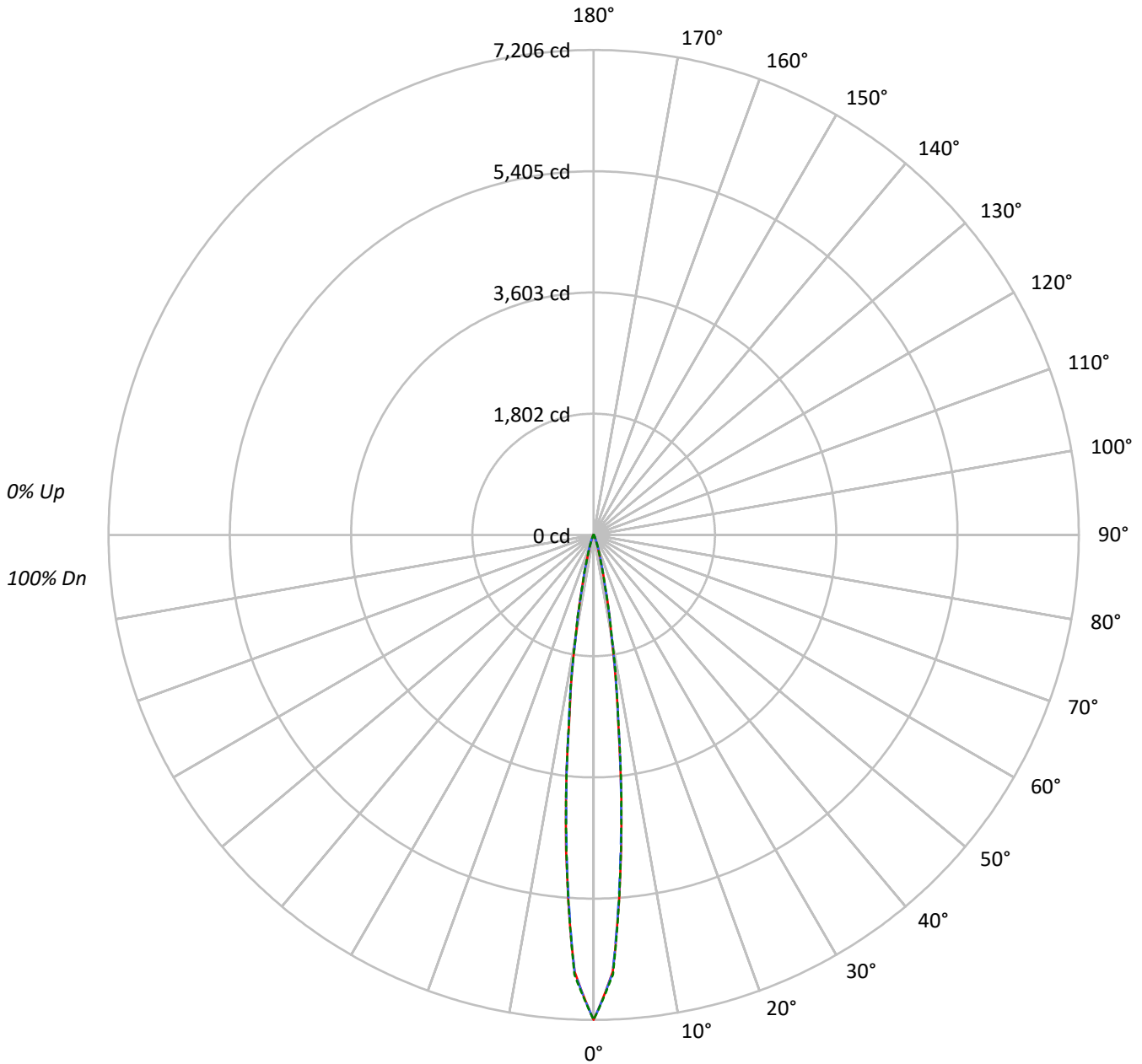


Downlight



TEST NUMBER: P757911  
CATALOG NUMBER: LD6D05D010-EU6DR150210IC9024-6LBSQW1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P757911

CATALOG NUMBER: LD6D05D010-EU6DR150210IC9024-6LBSQW1MW

**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	99	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	99	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°	810807	810807	810807
5°	476467	470298	474018
10°	142201	143199	145392
15°	35368	36063	34951
20°	10580	12257	10809
25°	3731	4752	3778
30°	1370	1805	1393
35°	690	777	668
40°	433	476	433
45°	322	343	322
50°	257	257	257
55°	216	216	216
60°	169	169	169
65°	128	128	128
70°	110	110	110
75°	68	68	91
80°	47	47	47
85°	25	25	25

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 343 cd/sqm



TEST NUMBER: P757911

CATALOG NUMBER: LD6D05D010-EU6DR150210IC9024-6LBSQW1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	343.0	64.9
10°-20°	141.1	26.7
20°-30°	28.0	5.3
30°-40°	7.0	1.3
40°-50°	3.7	0.7
50°-60°	2.7	0.5
60°-70°	1.9	0.4
70°-80°	1.1	0.2
80°-90°	0.3	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°	512.1	96.8
0°-40°	519.1	98.2
0°-60°	525.6	99.4
0°-90°	528.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	528.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7206	7206	7206	7206	7206	
5°	4688	4640	4628	4660	4664	342
15°	407	415	415	408	402	140
25°	48	54	61	54	48	25
35°	10	10	11	10	9	6
45°	5	5	5	5	5	4
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P757911

CATALOG NUMBER: LD6D05D010-EU6DR150210IC9024-6LBSQW1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7205.9	7205.9	7205.9	7205.9	7205.9
2.5°	6500.0	6505.5	6507.6	6514.0	6537.8
5°	4688.3	4640.1	4627.6	4659.6	4664.2
7.5°	2777.2	2786.9	2822.6	2830.5	2801.9
10°	1524.0	1536.5	1534.7	1545.7	1558.2
12.5°	779.4	769.6	766.6	779.1	761.7
15°	407.2	414.9	415.2	407.8	402.4
17.5°	219.0	227.9	242.5	230.6	212.3
20°	129.3	137.3	149.8	140.0	132.1
22.5°	79.9	86.3	95.2	87.5	81.1
25°	47.9	54.3	61.0	54.0	48.5
27.5°	28.4	33.9	38.1	33.6	28.1
30°	18.3	21.4	24.1	21.0	18.6
32.5°	12.8	14.0	15.3	14.0	12.8
35°	9.5	10.1	10.7	10.1	9.2
37.5°	7.3	7.9	8.2	7.6	7.0
40°	6.1	6.4	6.7	6.4	6.1
42.5°	5.2	5.5	5.5	5.5	5.2
45°	4.6	4.6	4.9	4.6	4.6
47.5°	4.0	4.0	4.3	4.0	4.0
50°	3.7	3.7	3.7	3.7	3.7
52.5°	3.4	3.4	3.4	3.4	3.4
55°	3.1	3.1	3.1	3.1	3.1
57.5°	2.7	2.7	2.7	2.7	2.7
60°	2.4	2.4	2.4	2.4	2.4
62.5°	2.1	2.1	2.1	2.1	2.1
65°	1.8	1.8	1.8	1.8	1.8
67.5°	1.8	1.8	1.8	1.8	1.8
70°	1.5	1.5	1.5	1.5	1.5
72.5°	1.2	1.2	1.2	1.2	1.2
75°	0.9	0.9	0.9	0.9	1.2
77.5°	0.9	0.9	0.9	0.9	0.9
80°	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6
85°	0.3	0.3	0.3	0.3	0.3
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



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)