

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: P758191

Luminaire Tested: LD6D05D010-EU6DR300210IC9040-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P758191  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D05D010-EU6DR300210IC9040-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 624.5 lumens  
Efficiency: N/A  
Efficacy: 83.3 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.5  
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



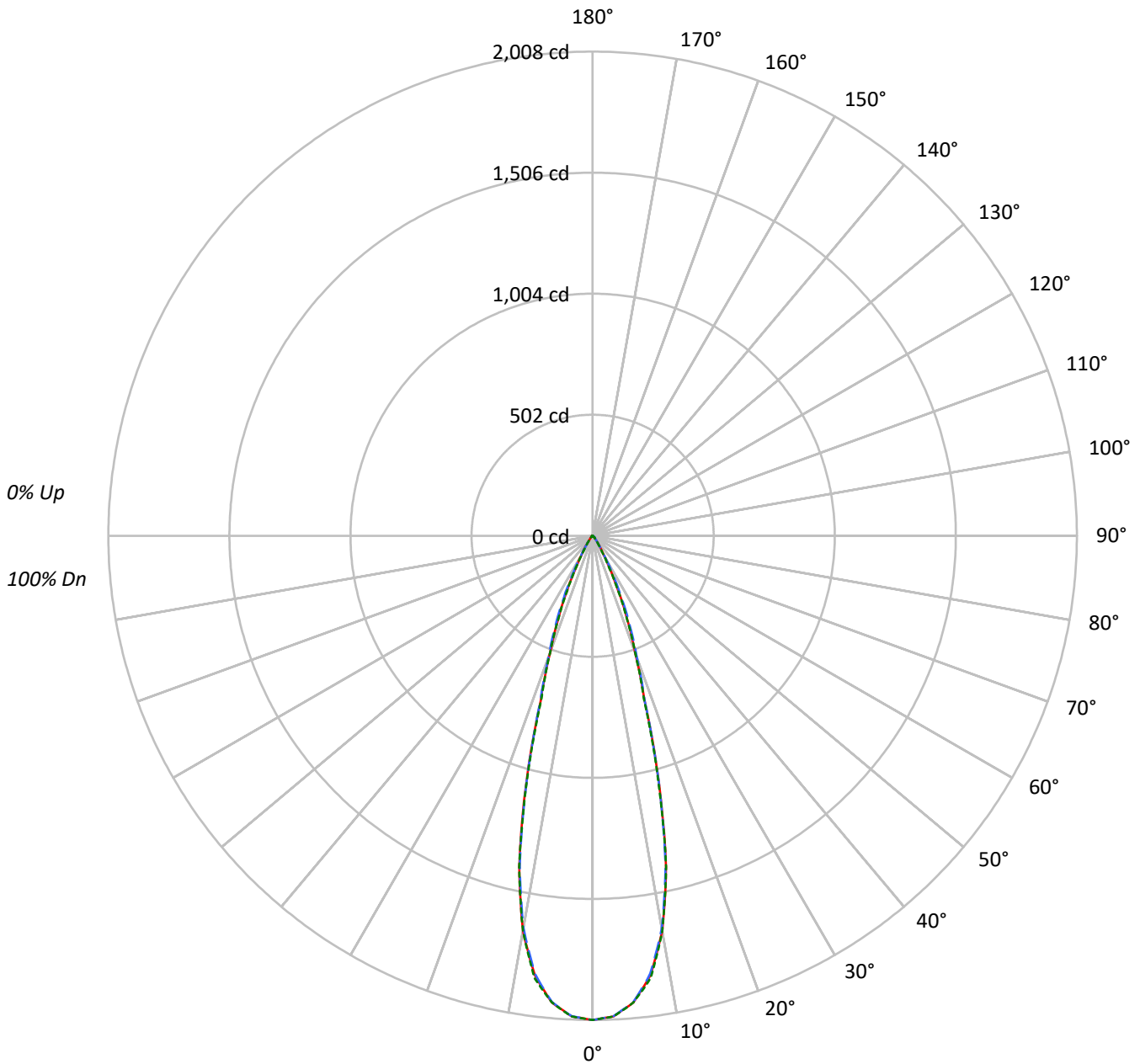
Downlight



TEST NUMBER: P758191

CATALOG NUMBER: LD6D05D010-EU6DR300210IC9040-6LBDP1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P758191

CATALOG NUMBER: LD6D05D010-EU6DR300210IC9040-6LBDP1MW

**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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

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

	0°	45°	90°
0°	153707	153707	153707
5°	149292	149123	149300
10°	129310	128400	129279
15°	84371	83919	83499
20°	41950	43522	41893
25°	21131	23834	20700
30°	8458	9219	7371
35°	3925	3756	3149
40°	1699	1888	1599
45°	1202	1483	1202
50°	405	1084	441
55°	240	454	254
60°	168	199	168
65°	109	109	109
70°	67	45	67
75°	0	30	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 1483 cd/sqm



TEST NUMBER: P758191

CATALOG NUMBER: LD6D05D010-EU6DR300210IC9040-6LBDP1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.6	28.3
10°-20°	284.4	45.5
20°-30°	122.9	19.7
30°-40°	28.0	4.5
40°-50°	9.6	1.5
50°-60°	2.4	0.4
60°-70°	0.6	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	583.9	93.5
0°-40°	611.9	98.0
0°-60°	623.8	99.9
0°-90°	624.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	624.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2008	2008	2008	2008	2008	
5°	1943	1941	1941	1945	1943	177
15°	1065	1052	1059	1056	1054	285
25°	250	260	282	253	245	120
35°	42	43	40	40	34	28
45°	11	14	14	14	11	8
55°	2	2	3	2	2	2
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P758191

CATALOG NUMBER: LD6D05D010-EU6DR300210IC9040-6LBDP1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2008.1	2008.1	2008.1	2008.1	2008.1
2.5°	1994.8	1993.4	1994.2	1995.2	1995.6
5°	1943.0	1941.2	1940.8	1944.8	1943.1
7.5°	1838.6	1836.0	1831.9	1841.1	1849.7
10°	1663.7	1660.8	1652.0	1656.3	1663.3
12.5°	1405.5	1395.9	1395.8	1409.6	1407.7
15°	1064.7	1051.9	1059.0	1055.5	1053.7
17.5°	716.0	711.0	720.5	717.6	705.3
20°	515.0	516.3	534.3	525.3	514.3
22.5°	375.8	380.4	401.9	378.5	369.9
25°	250.2	259.7	282.2	253.1	245.1
27.5°	153.9	158.2	181.0	151.9	147.6
30°	95.7	93.6	104.3	89.5	83.4
32.5°	62.8	60.0	63.5	57.0	52.1
35°	42.0	42.9	40.2	39.9	33.7
37.5°	26.2	30.2	26.6	28.4	21.7
40°	17.0	21.9	18.9	20.8	16.0
42.5°	13.9	16.8	15.5	16.4	14.2
45°	11.1	13.7	13.7	13.7	11.1
47.5°	6.1	9.2	11.7	9.3	6.5
50°	3.4	4.6	9.1	4.8	3.7
52.5°	2.3	2.6	6.2	2.8	2.5
55°	1.8	1.9	3.4	1.9	1.9
57.5°	1.4	1.5	1.8	1.5	1.4
60°	1.1	1.1	1.3	1.2	1.1
62.5°	0.8	0.8	0.9	0.8	0.8
65°	0.6	0.6	0.6	0.6	0.6
67.5°	0.3	0.4	0.4	0.4	0.4
70°	0.3	0.2	0.2	0.2	0.3
72.5°	0.2	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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)