

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: P768737

Luminaire Tested: LD6D60D010-EU6DR3055659030-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P768737  
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: LD6D60D010-EU6DR3055659030-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6385.8 lumens  
Efficiency: N/A  
Efficacy: 99.2 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

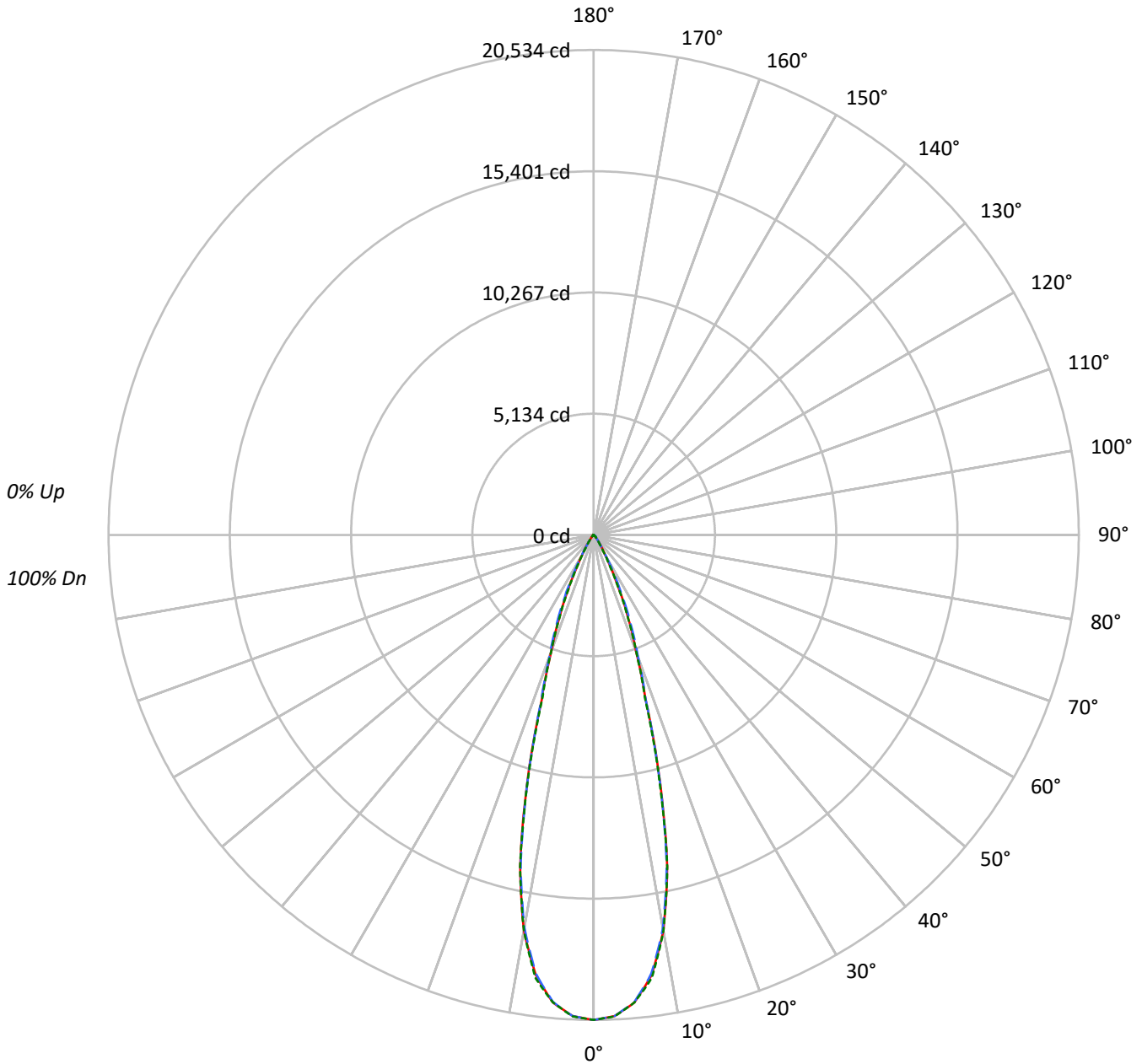
Input Watts (W): 64.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



TEST NUMBER: P768737

CATALOG NUMBER: LD6D60D010-EU6DR3055659030-6LBCSSQMW

### Luminous Intensity Polar Plot





TEST NUMBER: P768737

CATALOG NUMBER: LD6D60D010-EU6DR3055659030-6LBCSSQMW

**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°	1571719	1571719	1571719
5°	1526596	1524814	1526673
10°	1322260	1312941	1321949
15°	862709	858081	853762
20°	428987	445083	428409
25°	216090	243682	211664
30°	86520	94271	75383
35°	40133	38433	32219
40°	17326	19245	16317
45°	12221	15166	12330
50°	4204	11039	4442
55°	2415	4577	2562
60°	1699	2005	1699
65°	1087	1087	1087
70°	671	448	671
75°	0	296	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 15166 cd/sqm



TEST NUMBER: P768737

CATALOG NUMBER: LD6D60D010-EU6DR3055659030-6LBCSSQMW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1805.6	28.3
10°-20°	2908.0	45.5
20°-30°	1256.6	19.7
30°-40°	286.4	4.5
40°-50°	98.3	1.5
50°-60°	24.0	0.4
60°-70°	6.2	0.1
70°-80°	0.7	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°	5970.2	93.5
0°-40°	6256.6	98.0
0°-60°	6379.0	99.9
0°-90°	6385.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6385.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	20534	20534	20534	20534	20534	
5°	19868	19849	19845	19886	19869	1807
15°	10887	10756	10828	10793	10774	2915
25°	2559	2655	2885	2588	2506	1225
35°	430	438	411	408	345	291
45°	113	140	140	140	114	80
55°	18	19	34	20	19	18
65°	6	6	6	6	6	6
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P768737

CATALOG NUMBER: LD6D60D010-EU6DR3055659030-6LBCSSQMW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	20533.7	20533.7	20533.7	20533.7	20533.7
2.5°	20397.6	20383.4	20391.5	20401.6	20405.6
5°	19868.3	19849.1	19845.1	19886.4	19869.3
7.5°	18800.7	18773.5	18732.1	18825.9	18913.6
10°	17012.2	16982.0	16892.3	16936.6	17008.2
12.5°	14371.9	14274.2	14272.1	14413.3	14394.1
15°	10886.8	10755.8	10828.4	10793.1	10773.9
17.5°	7321.1	7270.7	7367.4	7338.2	7212.2
20°	5266.5	5279.6	5464.1	5371.3	5259.4
22.5°	3843.0	3890.4	4109.1	3870.2	3782.5
25°	2558.6	2655.4	2885.3	2587.9	2506.2
27.5°	1573.7	1618.1	1850.9	1553.5	1509.2
30°	978.9	956.7	1066.6	915.4	852.9
32.5°	642.2	614.0	649.2	582.7	532.3
35°	429.5	438.5	411.3	408.3	344.8
37.5°	268.2	308.5	272.2	290.3	221.8
40°	173.4	223.8	192.6	212.7	163.3
42.5°	142.1	172.4	158.3	168.4	145.2
45°	112.9	140.1	140.1	140.1	113.9
47.5°	62.5	93.8	120.0	95.8	66.5
50°	35.3	47.4	92.7	49.4	37.3
52.5°	24.2	27.2	63.5	28.2	25.2
55°	18.1	19.2	34.3	20.2	19.2
57.5°	14.1	15.1	18.1	15.1	14.1
60°	11.1	11.1	13.1	12.1	11.1
62.5°	8.1	8.1	9.1	8.1	8.1
65°	6.0	6.0	6.0	6.0	6.0
67.5°	3.0	4.0	4.0	4.0	4.0
70°	3.0	2.0	2.0	2.0	3.0
72.5°	2.0	1.0	1.0	1.0	1.0
75°	0.0	0.0	1.0	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)