

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: P763872

Luminaire Tested: LD6D30D010-EU6DR1515309050-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763872
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: LD6D30D010-EU6DR1515309050-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3134.3 lumens
Efficiency: N/A
Efficacy: 108.1 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): 29
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

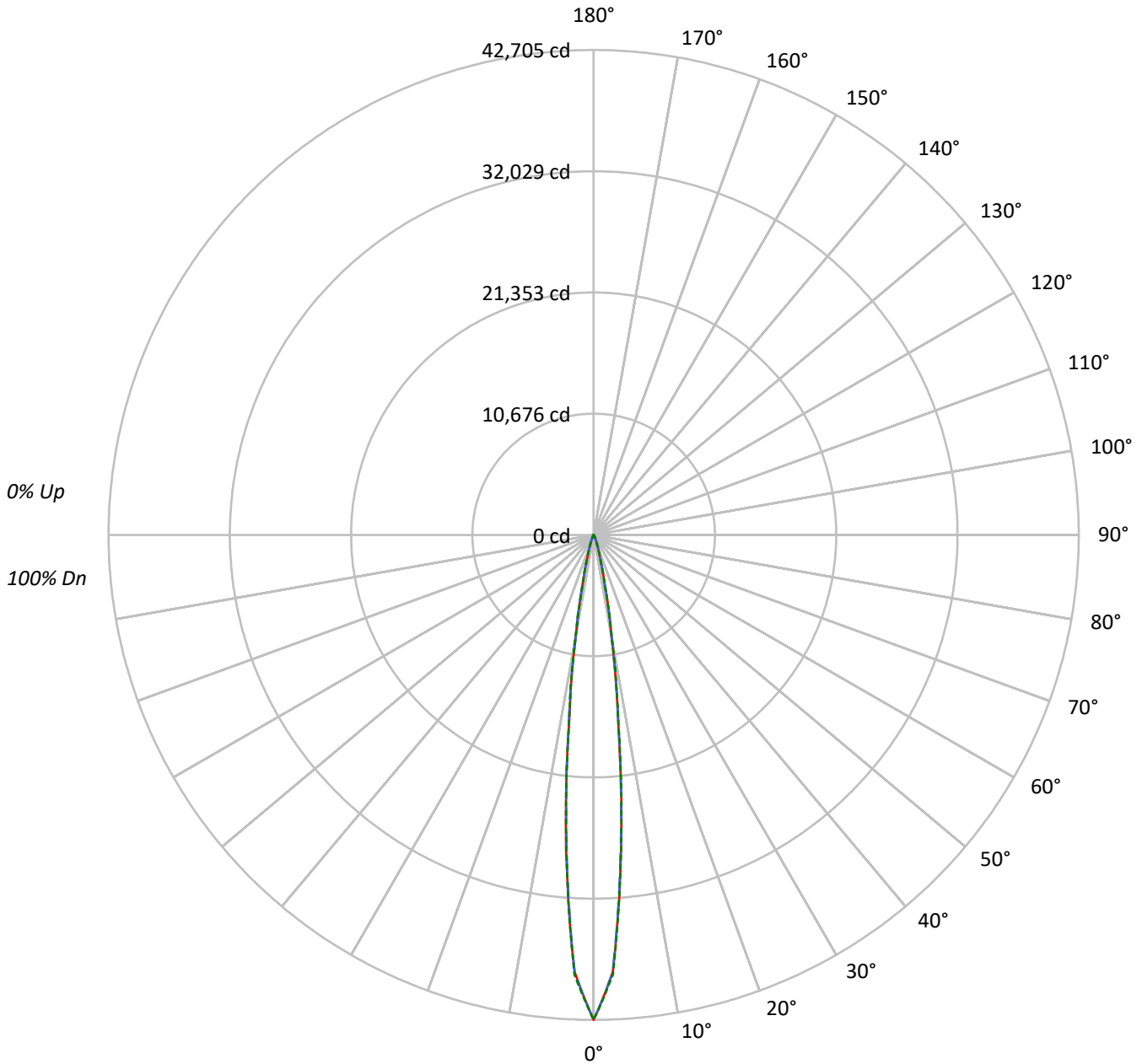


Downlight



TEST NUMBER: P763872
CATALOG NUMBER: LD6D30D010-EU6DR1515309050-6LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P763872

CATALOG NUMBER: LD6D30D010-EU6DR1515309050-6LBSQW1MW

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	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°	4805187	4805187	4805187
5°	2823759	2787193	2809246
10°	842763	848661	861649
15°	209629	213711	207119
20°	62717	72634	64051
25°	22108	28169	22389
30°	8125	10693	8259
35°	4067	4597	3936
40°	2571	2826	2571
45°	1897	2023	1897
50°	1509	1509	1509
55°	1260	1260	1260
60°	1018	1018	1018
65°	771	771	771
70°	658	658	658
75°	408	408	544
80°	284	284	284
85°	149	149	149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2023 cd/sqm



TEST NUMBER: P763872

CATALOG NUMBER: LD6D30D010-EU6DR1515309050-6LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2032.9	64.9
10°-20°	836.2	26.7
20°-30°	166.1	5.3
30°-40°	41.5	1.3
40°-50°	21.8	0.7
50°-60°	16.2	0.5
60°-70°	11.4	0.4
70°-80°	6.5	0.2
80°-90°	2.0	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°	3035.1	96.8
0°-40°	3076.6	98.2
0°-60°	3114.5	99.4
0°-90°	3134.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3134.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	42705	42705	42705	42705	42705	
5°	27785	27499	27425	27615	27642	2029
15°	2414	2459	2460	2417	2385	827
25°	284	322	362	320	287	149
35°	56	60	63	60	54	38
45°	27	27	29	27	27	21
55°	18	18	18	18	18	16
65°	11	11	11	11	11	11
75°	5	5	5	5	7	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



TEST NUMBER: P763872

CATALOG NUMBER: LD6D30D010-EU6DR1515309050-6LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	42705.2	42705.2	42705.2	42705.2	42705.2
2.5°	38521.8	38554.4	38567.0	38605.0	38746.0
5°	27785.0	27499.3	27425.2	27615.0	27642.2
7.5°	16458.7	16516.6	16728.1	16775.1	16605.2
10°	9032.1	9106.2	9095.3	9160.4	9234.5
12.5°	4619.1	4561.2	4543.1	4617.3	4514.2
15°	2413.5	2458.7	2460.5	2417.1	2384.6
17.5°	1298.0	1350.5	1437.2	1366.7	1258.3
20°	766.5	813.5	887.7	829.8	782.8
22.5°	473.7	511.6	564.1	518.9	480.9
25°	283.8	321.8	361.6	320.0	287.4
27.5°	168.1	200.7	226.0	198.9	166.3
30°	108.5	126.6	142.8	124.7	110.3
32.5°	75.9	83.2	90.4	83.2	75.9
35°	56.0	59.7	63.3	59.7	54.2
37.5°	43.4	47.0	48.8	45.2	41.6
40°	36.2	38.0	39.8	38.0	36.2
42.5°	30.7	32.5	32.5	32.5	30.7
45°	27.1	27.1	28.9	27.1	27.1
47.5°	23.5	23.5	25.3	23.5	23.5
50°	21.7	21.7	21.7	21.7	21.7
52.5°	19.9	19.9	19.9	19.9	19.9
55°	18.1	18.1	18.1	18.1	18.1
57.5°	16.3	16.3	16.3	16.3	16.3
60°	14.5	14.5	14.5	14.5	14.5
62.5°	12.7	12.7	12.7	12.7	12.7
65°	10.8	10.8	10.8	10.8	10.8
67.5°	10.8	10.8	10.8	10.8	10.8
70°	9.0	9.0	9.0	9.0	9.0
72.5°	7.2	7.2	7.2	7.2	7.2
75°	5.4	5.4	5.4	5.4	7.2
77.5°	5.4	5.4	5.4	5.4	5.4
80°	3.6	3.6	3.6	3.6	3.6
82.5°	3.6	3.6	3.6	3.6	3.6
85°	1.8	1.8	1.8	1.8	1.8
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)