

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: P761179

Luminaire Tested: LD6D15D010-EU6DR300215IC9024-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761179
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: LD6D15D010-EU6DR300215IC9024-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1000.3 lumens
Efficiency: N/A
Efficacy: 63.3 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): 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



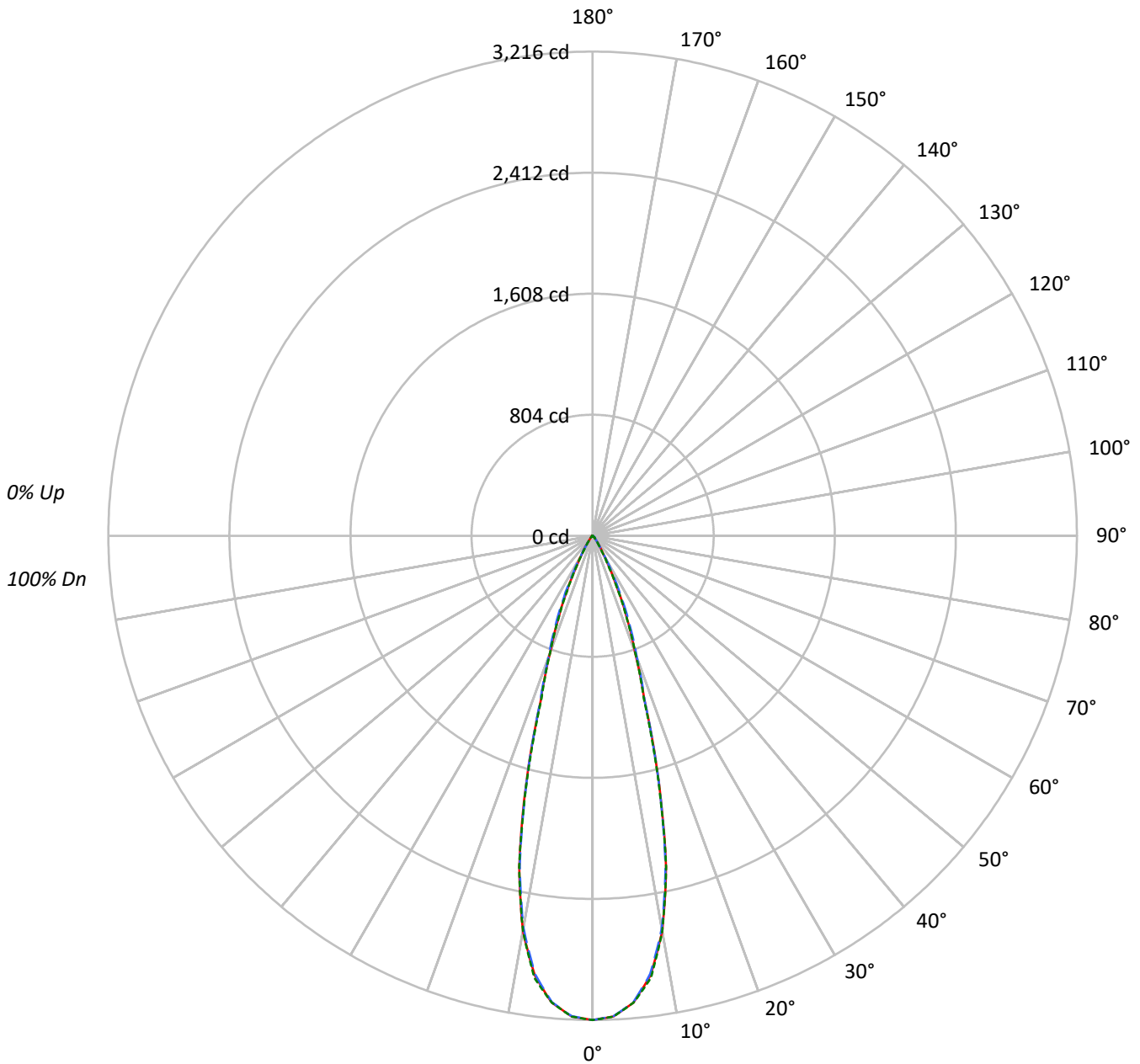
Downlight



TEST NUMBER: P761179

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9024-6LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P761179

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9024-6LBSQW1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	246202	246202	246202
5°	239136	238859	239151
10°	207127	205666	207081
15°	135142	134413	133739
20°	67201	69718	67111
25°	33850	38174	33158
30°	13549	14769	11808
35°	6289	6027	5046
40°	2718	3008	2558
45°	1916	2371	1927
50°	655	1739	691
55°	387	721	400
60°	260	321	260
65°	181	181	181
70°	112	67	112
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2371 cd/sqm



TEST NUMBER: P761179

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9024-6LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.8	28.3
10°-20°	455.5	45.5
20°-30°	196.8	19.7
30°-40°	44.9	4.5
40°-50°	15.4	1.5
50°-60°	3.8	0.4
60°-70°	1.0	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°	935.2	93.5
0°-40°	980.1	98.0
0°-60°	999.2	99.9
0°-90°	1000.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1000.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3216	3216	3216	3216	3216	
5°	3112	3109	3109	3115	3112	283
15°	1705	1685	1696	1691	1688	457
25°	401	416	452	405	393	192
35°	67	69	64	64	54	46
45°	18	22	22	22	18	13
55°	3	3	5	3	3	3
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	



TEST NUMBER: P761179

CATALOG NUMBER: LD6D15D010-EU6DR300215IC9024-6LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3216.5	3216.5	3216.5	3216.5	3216.5
2.5°	3195.2	3193.1	3194.3	3195.9	3196.5
5°	3112.3	3109.3	3108.7	3115.2	3112.5
7.5°	2945.1	2940.8	2934.4	2949.0	2962.8
10°	2664.9	2660.2	2646.1	2653.1	2664.3
12.5°	2251.4	2236.0	2235.7	2257.8	2254.8
15°	1705.4	1684.9	1696.2	1690.7	1687.7
17.5°	1146.8	1138.9	1154.1	1149.5	1129.8
20°	825.0	827.1	855.9	841.4	823.9
22.5°	602.0	609.4	643.7	606.2	592.5
25°	400.8	416.0	452.0	405.4	392.6
27.5°	246.5	253.5	290.0	243.3	236.4
30°	153.3	149.9	167.1	143.4	133.6
32.5°	100.6	96.2	101.7	91.3	83.4
35°	67.3	68.7	64.5	63.9	54.0
37.5°	42.0	48.3	42.6	45.5	34.7
40°	27.2	35.1	30.1	33.3	25.6
42.5°	22.3	27.0	24.8	26.4	22.7
45°	17.7	21.9	21.9	21.9	17.8
47.5°	9.8	14.7	18.8	15.0	10.4
50°	5.5	7.4	14.6	7.7	5.8
52.5°	3.8	4.2	10.0	4.4	4.0
55°	2.9	3.0	5.4	3.2	3.0
57.5°	2.2	2.3	2.9	2.3	2.2
60°	1.7	1.7	2.1	1.9	1.7
62.5°	1.3	1.3	1.4	1.3	1.3
65°	1.0	1.0	1.0	1.0	1.0
67.5°	0.5	0.6	0.6	0.6	0.6
70°	0.5	0.3	0.3	0.3	0.5
72.5°	0.3	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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)