

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: P761831

Luminaire Tested: LD6D15D010-EU6DR700215IC9040-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P761831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D15D010-EU6DR700215IC9040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1258.2 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' 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



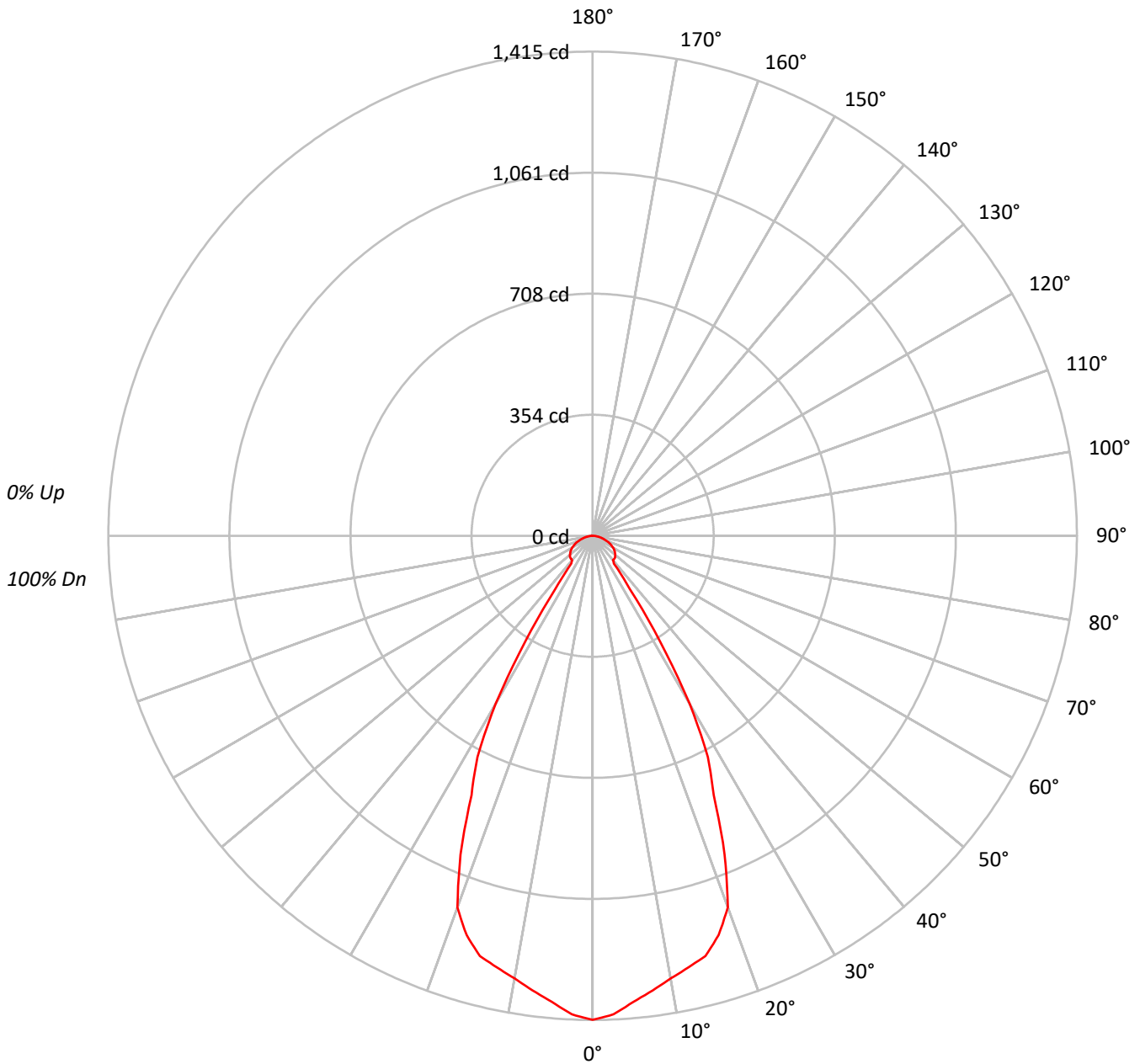
Downlight



TEST NUMBER: P761831

CATALOG NUMBER: LD6D15D010-EU6DR700215IC9040-6LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P761831

CATALOG NUMBER: LD6D15D010-EU6DR700215IC9040-6LBSQW1MW

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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	154560
5°	149963
10°	145772
15°	143871
20°	134342
25°	100917
30°	71345
35°	25276
40°	13293
45°	14154
50°	14652
55°	14934
60°	15034
65°	14711
70°	13864
75°	12876
80°	11452
85°	9277

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 15034 cd/sqm



TEST NUMBER: P761831

CATALOG NUMBER: LD6D15D010-EU6DR700215IC9040-6LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.0	10.3
10°-20°	353.7	28.1
20°-30°	389.6	31.0
30°-40°	148.9	11.8
40°-50°	70.3	5.6
50°-60°	69.9	5.6
60°-70°	55.9	4.4
70°-80°	32.1	2.6
80°-90°	8.8	0.7
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°	872.3	69.3
0°-40°	1021.1	81.2
0°-60°	1161.3	92.3
0°-90°	1258.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1258.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1415	
5°	1367	129
15°	1272	354
25°	837	390
35°	190	149
45°	92	70
55°	78	70
65°	57	56
75°	30	32
85°	7	9
90°	0	



TEST NUMBER: P761831

CATALOG NUMBER: LD6D15D010-EU6DR700215IC9040-6LBSQW1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	1414.6
2.5°	1399.8
5°	1367.3
7.5°	1340.2
10°	1313.9
12.5°	1291.8
15°	1271.9
17.5°	1223.7
20°	1155.4
22.5°	1008.0
25°	837.1
27.5°	728.8
30°	565.5
32.5°	365.3
35°	189.5
37.5°	102.3
40°	93.2
42.5°	92.5
45°	91.6
47.5°	89.6
50°	86.2
52.5°	82.4
55°	78.4
57.5°	73.9
60°	68.8
62.5°	62.9
65°	56.9
67.5°	50.2
70°	43.4
72.5°	36.7
75°	30.5
77.5°	23.9
80°	18.2
82.5°	12.8
85°	7.4
87.5°	2.9
90°	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



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

Scaled Data Report



— 0°-180°

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)