

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: P758681

Luminaire Tested: LD6D05D010-EU6DR650210IC9024-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P758681
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D05D010-EU6DR650210IC9024-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 516.7 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 7.5
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

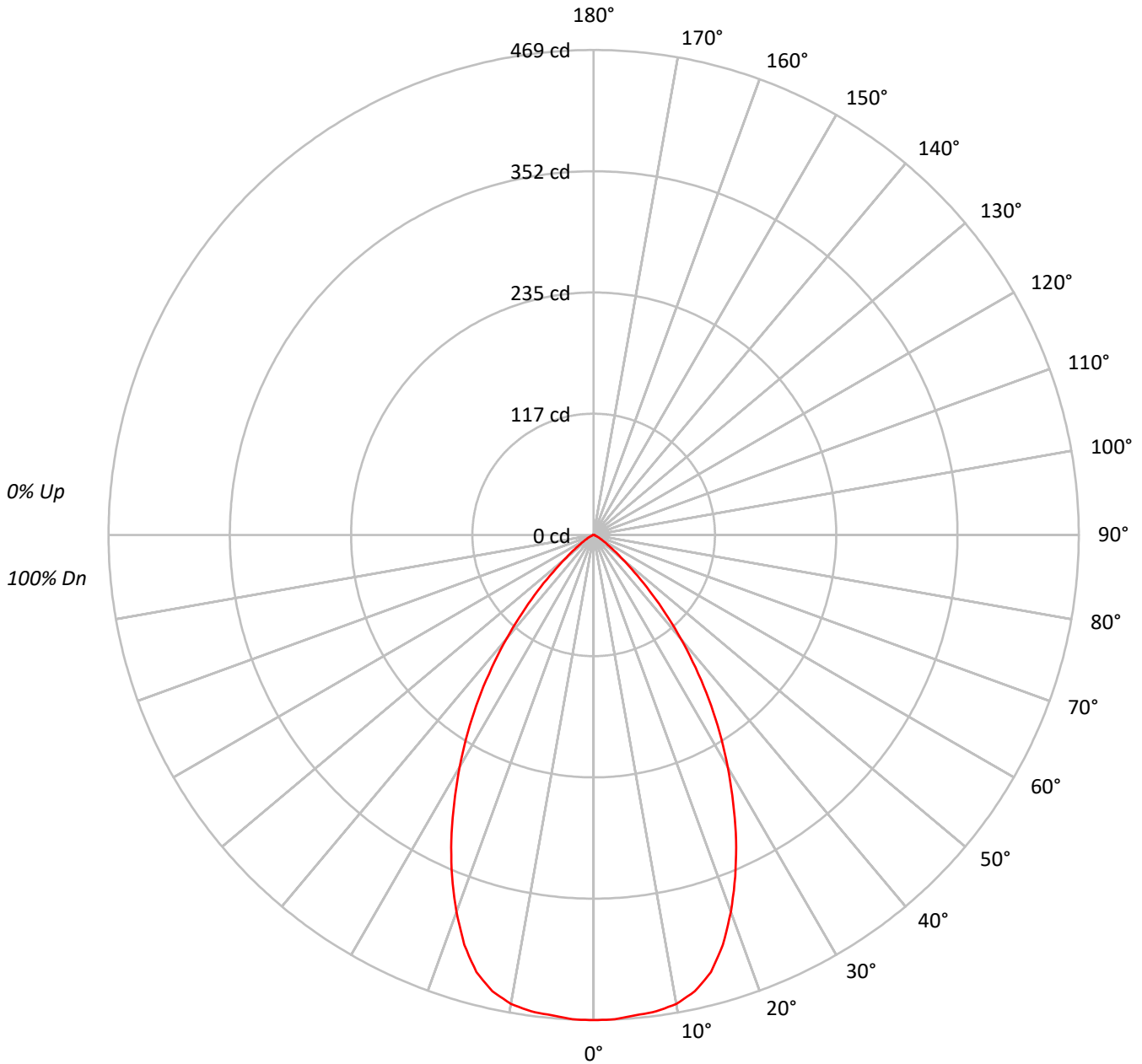


Downlight



TEST NUMBER: P758681
CATALOG NUMBER: LD6D05D010-EU6DR650210IC9024-6LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P758681

CATALOG NUMBER: LD6D05D010-EU6DR650210IC9024-6LBCSSQMW

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	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	89	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78																			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72																			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66																			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61																			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56																			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52																			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49																			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	27403
5°	27338
10°	27310
15°	26471
20°	24096
25°	21001
30°	17467
35°	13839
40°	9988
45°	6310
50°	3289
55°	1751
60°	911
65°	511
70°	222
75°	226
80°	168
85°	134

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6310 cd/sqm



TEST NUMBER: P758681

CATALOG NUMBER: LD6D05D010-EU6DR650210IC9024-6LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.4	8.6
10°-20°	121.5	23.5
20°-30°	148.5	28.7
30°-40°	120.5	23.3
40°-50°	60.0	11.6
50°-60°	16.8	3.2
60°-70°	3.8	0.7
70°-80°	1.0	0.2
80°-90°	0.2	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°	314.4	60.8
0°-40°	434.9	84.2
0°-60°	511.7	99.0
0°-90°	516.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	516.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	469	
5°	466	44
15°	438	122
25°	326	149
35°	194	121
45°	76	60
55°	17	17
65°	4	4
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P758681

CATALOG NUMBER: LD6D05D010-EU6DR650210IC9024-6LBCSSQMW

CANDELA DISTRIBUTION (FULL):

	0°
0°	469.2
2.5°	468.9
5°	466.3
7.5°	464.7
10°	460.5
12.5°	452.0
15°	437.8
17.5°	415.6
20°	387.7
22.5°	357.6
25°	325.9
27.5°	291.9
30°	259.0
32.5°	226.5
35°	194.1
37.5°	161.7
40°	131.0
42.5°	102.2
45°	76.4
47.5°	53.2
50°	36.2
52.5°	25.0
55°	17.2
57.5°	11.6
60°	7.8
62.5°	5.4
65°	3.7
67.5°	1.8
70°	1.3
72.5°	1.1
75°	1.0
77.5°	0.7
80°	0.5
82.5°	0.3
85°	0.2
87.5°	0.1
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)