

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: P760710

Luminaire Tested: LD6D10D010-EU6DR650210IC9024-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P760710
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D10D010-EU6DR650210IC9024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 591.8 lumens
Efficiency: N/A
Efficacy: 50.6 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 11.7
Input Voltage (V): NR
Input Current (A_{in}): 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



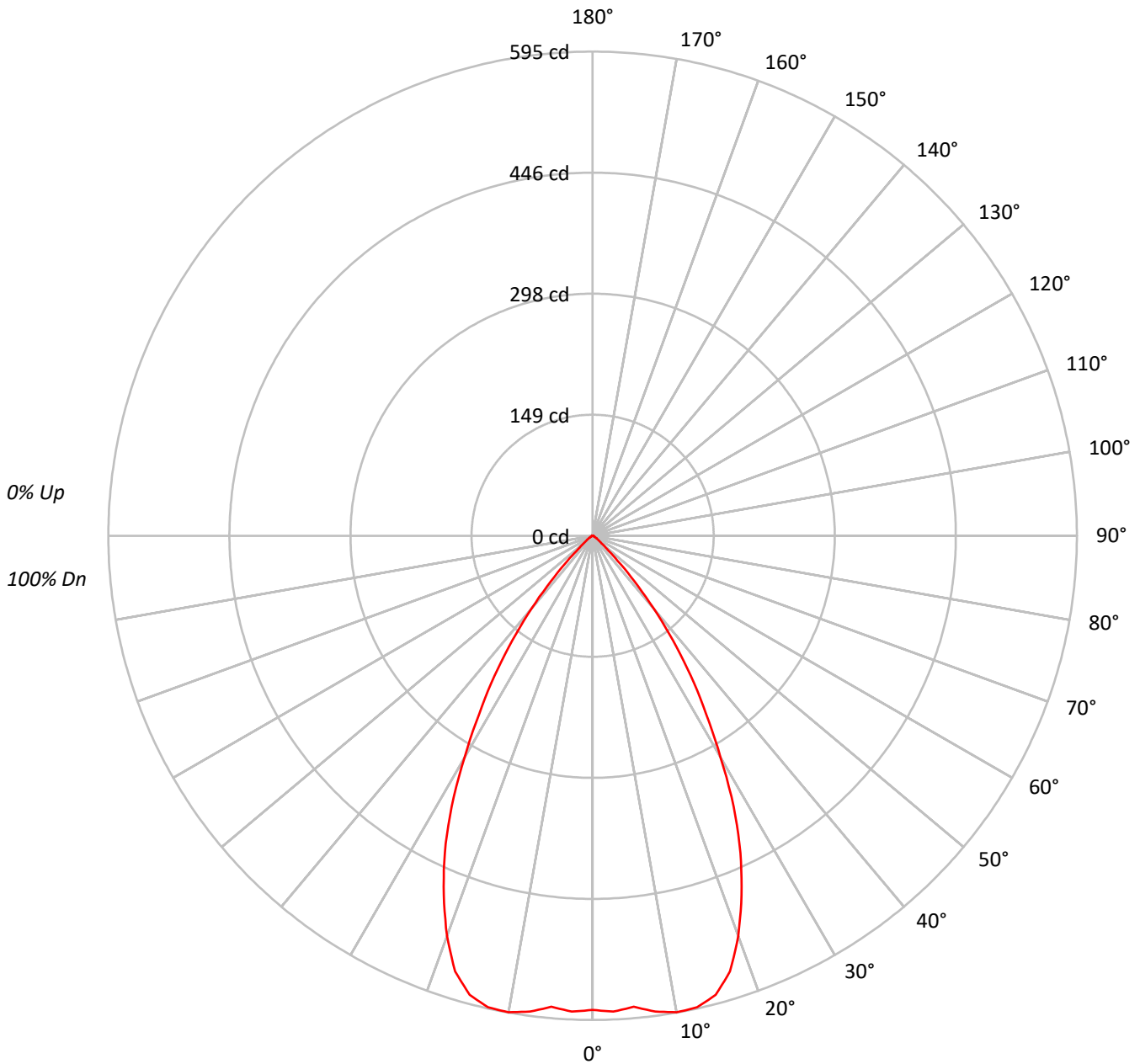
Downlight



TEST NUMBER: P760710

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9024-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P760710

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9024-6LBDP1B

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	63666
5°	63723
10°	65969
15°	66071
20°	60834
25°	51827
30°	39678
35°	28037
40°	16545
45°	6722
50°	2431
55°	1352
60°	787
65°	440
70°	447
75°	338
80°	378
85°	251

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6722 cd/sqm



TEST NUMBER: P760710

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9024-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.1	9.5
10°-20°	161.9	27.3
20°-30°	194.2	32.8
30°-40°	130.5	22.1
40°-50°	39.1	6.6
50°-60°	6.9	1.2
60°-70°	2.0	0.3
70°-80°	0.9	0.2
80°-90°	0.3	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°	412.1	69.6
0°-40°	542.7	91.7
0°-60°	588.6	99.5
0°-90°	591.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	591.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	583	
5°	581	56
15°	584	162
25°	430	194
35°	210	131
45°	44	39
55°	7	7
65°	2	2
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P760710

CATALOG NUMBER: LD6D10D010-EU6DR650210IC9024-6LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	582.7
2.5°	585.2
5°	581.0
7.5°	589.7
10°	594.6
12.5°	593.4
15°	584.1
17.5°	561.4
20°	523.2
22.5°	478.1
25°	429.9
27.5°	375.5
30°	314.5
32.5°	259.2
35°	210.2
37.5°	161.7
40°	116.0
42.5°	75.7
45°	43.5
47.5°	23.0
50°	14.3
52.5°	9.9
55°	7.1
57.5°	5.2
60°	3.6
62.5°	2.3
65°	1.7
67.5°	1.5
70°	1.4
72.5°	1.1
75°	0.8
77.5°	0.7
80°	0.6
82.5°	0.4
85°	0.2
87.5°	0.2
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)