

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: P770841

Luminaire Tested: LD6D70BD010-EU6DR6570959030-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770841
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: LD6D70BD010-EU6DR6570959030-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

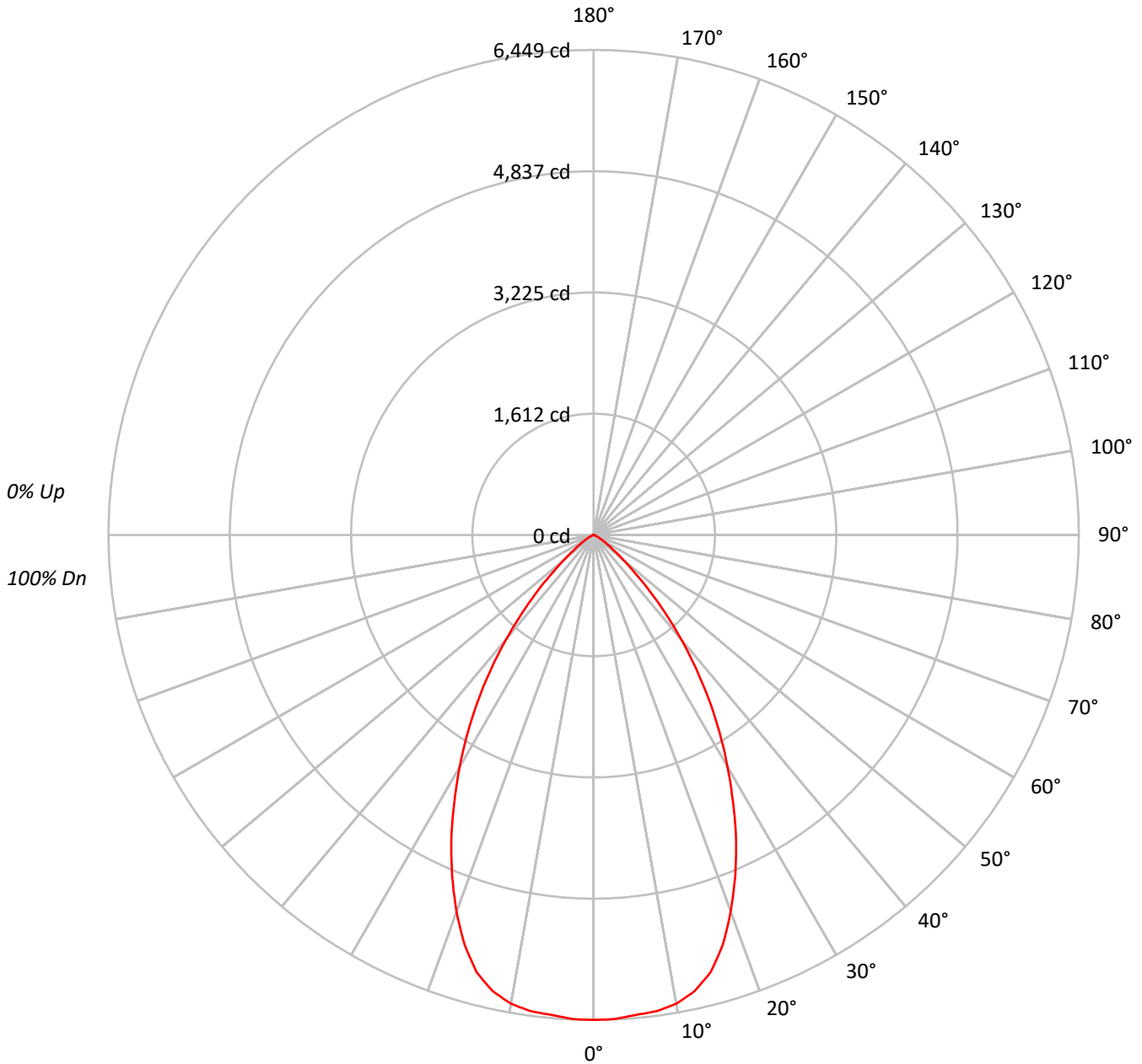
Lumens per Lamp: N/A
Luminaire Lumens: 7102.8 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

Input Watts (W): 66.6
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



TEST NUMBER: P770841
CATALOG NUMBER: LD6D70BD010-EU6DR6570959030-6LBCSSQMB

Luminous Intensity Polar Plot





TEST NUMBER: P770841

CATALOG NUMBER: LD6D70BD010-EU6DR6570959030-6LBCSSQMB

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	110	107	105	111	108	105	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	88	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°	376658
5°	375705
10°	375382
15°	363813
20°	331209
25°	288627
30°	240056
35°	190209
40°	137279
45°	86734
50°	45203
55°	24030
60°	12615
65°	6937
70°	2920
75°	3204
80°	2220
85°	1876

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 86734 cd/sqm



TEST NUMBER: P770841

CATALOG NUMBER: LD6D70BD010-EU6DR6570959030-6LBCSSQMB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	609.9	8.6
10°-20°	1670.1	23.5
20°-30°	2041.4	28.7
30°-40°	1656.3	23.3
40°-50°	825.4	11.6
50°-60°	230.2	3.2
60°-70°	52.3	0.7
70°-80°	13.6	0.2
80°-90°	3.5	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°	4321.4	60.8
0°-40°	5977.8	84.2
0°-60°	7033.4	99.0
0°-90°	7102.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7102.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6449	
5°	6408	610
15°	6017	1670
25°	4479	2041
35°	2668	1656
45°	1050	825
55°	236	230
65°	50	52
75°	14	14
85°	3	3
90°	0	



TEST NUMBER: P770841

CATALOG NUMBER: LD6D70BD010-EU6DR6570959030-6LBCSSQMB

CANDELA DISTRIBUTION (FULL):

0°	
0°	6449.2
2.5°	6444.4
5°	6408.4
7.5°	6387.6
10°	6329.7
12.5°	6212.2
15°	6017.0
17.5°	5711.8
20°	5329.0
22.5°	4915.8
25°	4478.9
27.5°	4011.7
30°	3559.6
32.5°	3113.2
35°	2667.8
37.5°	2223.3
40°	1800.6
42.5°	1404.5
45°	1050.1
47.5°	731.6
50°	497.5
52.5°	343.1
55°	236.0
57.5°	159.2
60°	108.0
62.5°	74.9
65°	50.2
67.5°	25.6
70°	17.1
72.5°	16.1
75°	14.2
77.5°	9.5
80°	6.6
82.5°	4.7
85°	2.8
87.5°	1.9
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)