

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: P767318

Luminaire Tested: LD6D50D010-EU6DR4040509027-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767318
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D50D010-EU6DR4040509027-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

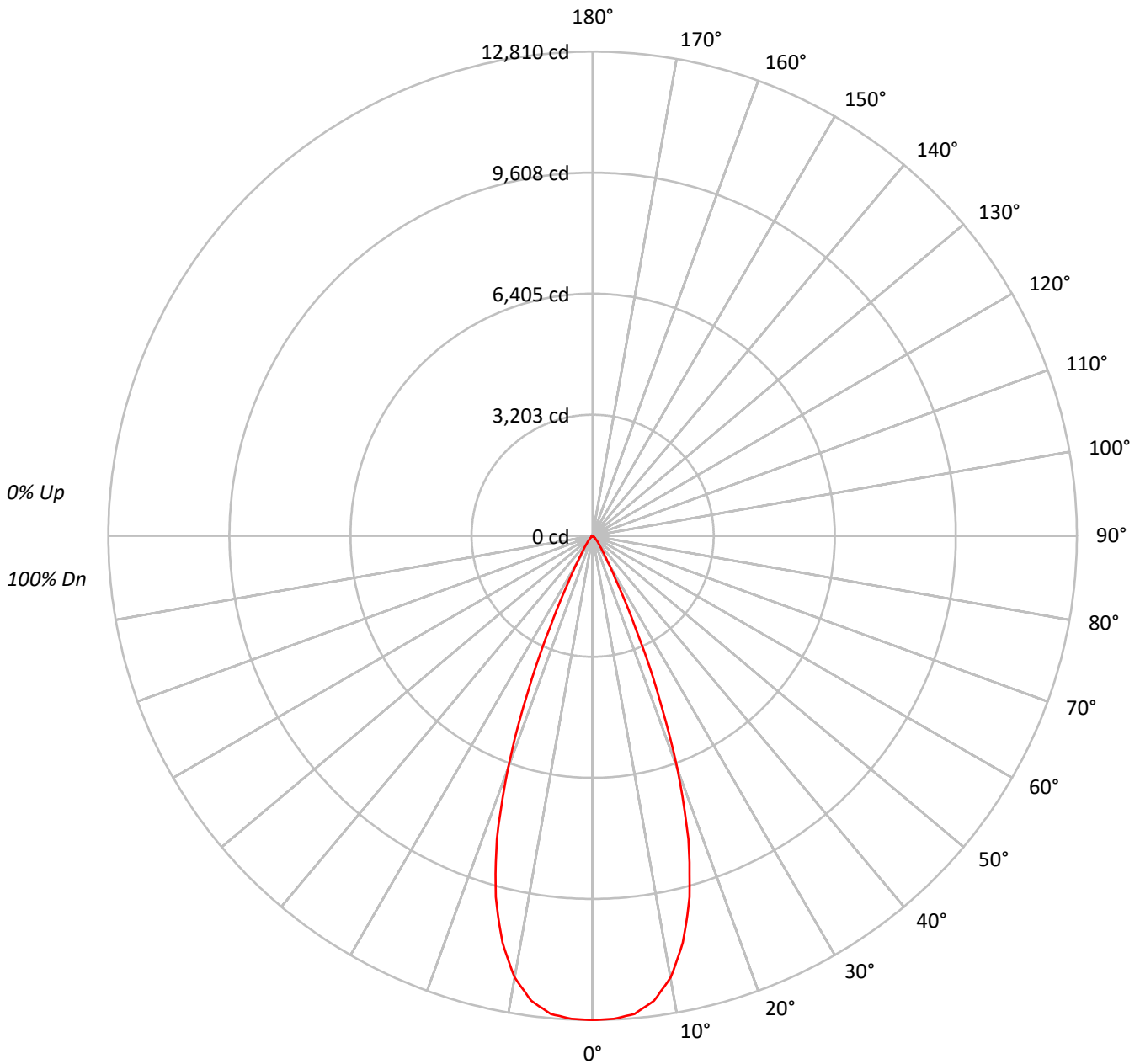
Lumens per Lamp: N/A
Luminaire Lumens: 5502.0 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 47
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: P767318
CATALOG NUMBER: LD6D50D010-EU6DR4040509027-6LBCSSQMB

Luminous Intensity Polar Plot





TEST NUMBER: P767318
 CATALOG NUMBER: LD6D50D010-EU6DR4040509027-6LBCSSQMB

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			100																
1	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96			96																
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92			92																
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88			88																
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84			84																
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81			81																
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77			77																
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74			74																
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72			72																
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69			69																
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67			67																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1399652
5°	1392857
10°	1316555
15°	1119240
20°	762843
25°	318292
30°	100073
35°	46511
40°	25730
45°	11790
50°	5728
55°	3143
60°	1639
65°	569
70°	224
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11790 cd/sqm



TEST NUMBER: P767318

CATALOG NUMBER: LD6D50D010-EU6DR4040509027-6LBCSSQMB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1185.8	21.6
10°-20°	2656.5	48.3
20°-30°	1329.8	24.2
30°-40°	243.8	4.4
40°-50°	67.3	1.2
50°-60°	15.8	0.3
60°-70°	3.0	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°	5172.1	94.0
0°-40°	5415.9	98.4
0°-60°	5498.9	99.9
0°-90°	5502.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5502.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12810	
5°	12700	###
15°	9895	2657
25°	2640	1330
35°	349	244
45°	76	67
55°	16	16
65°	2	3
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P767318

CATALOG NUMBER: LD6D50D010-EU6DR4040509027-6LBCSSQMB

CANDELA DISTRIBUTION (FULL):

	0°
0°	12810.2
2.5°	12791.5
5°	12699.5
7.5°	12406.1
10°	11866.6
12.5°	11025.4
15°	9894.7
17.5°	8424.2
20°	6560.8
22.5°	4472.9
25°	2640.2
27.5°	1395.7
30°	793.2
32.5°	512.6
35°	348.7
37.5°	249.2
40°	180.4
42.5°	123.5
45°	76.3
47.5°	48.6
50°	33.7
52.5°	23.9
55°	16.5
57.5°	10.5
60°	7.5
62.5°	4.5
65°	2.2
67.5°	1.5
70°	0.7
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)