

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: P768852

Luminaire Tested: LD6D60D010-EU6DR3555659050-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768852
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D60D010-EU6DR3555659050-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

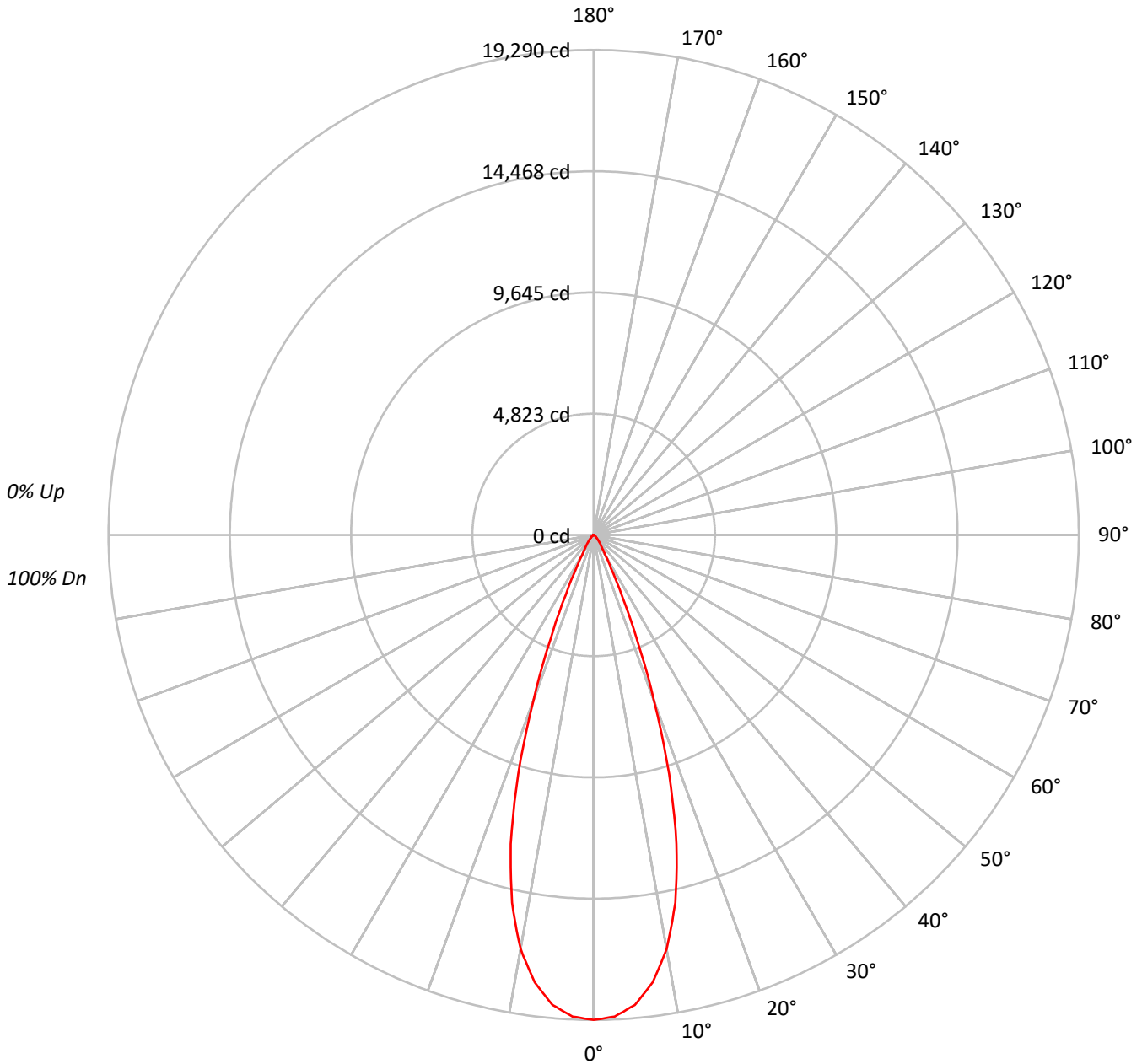
Lumens per Lamp: N/A
Luminaire Lumens: 7010.8 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 64.4
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: P768852
CATALOG NUMBER: LD6D60D010-EU6DR3555659050-6LBCSSQMB

Luminous Intensity Polar Plot





TEST NUMBER: P768852

CATALOG NUMBER: LD6D60D010-EU6DR3555659050-6LBCSSQMB

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2107651
5°	2058132
10°	1854922
15°	1439717
20°	816584
25°	317689
30°	118518
35°	64971
40°	42461
45°	25851
50°	16454
55°	11620
60°	8500
65°	4628
70°	351
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 25851 cd/sqm



TEST NUMBER: P768852

CATALOG NUMBER: LD6D60D010-EU6DR3555659050-6LBCSSQMB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1725.8	24.6
10°-20°	3369.6	48.1
20°-30°	1374.3	19.6
30°-40°	328.9	4.7
40°-50°	137.1	2.0
50°-60°	56.7	0.8
60°-70°	17.8	0.3
70°-80°	0.4	0.0
80°-90°	0.3	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°	6469.7	92.3
0°-40°	6798.6	97.0
0°-60°	6992.3	99.7
0°-90°	7010.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7010.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19290	
5°	18765	###
15°	12728	3370
25°	2635	1374
35°	487	329
45°	167	137
55°	61	57
65°	18	18
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P768852
CATALOG NUMBER: LD6D60D010-EU6DR3555659050-6LBCSSQMB

CANDELA DISTRIBUTION (FULL):

	0°
0°	19290.1
2.5°	19174.4
5°	18765.2
7.5°	17948.8
10°	16719.1
12.5°	14987.5
15°	12727.9
17.5°	9964.3
20°	7023.0
22.5°	4478.3
25°	2635.2
27.5°	1489.6
30°	939.4
32.5°	659.6
35°	487.1
37.5°	376.6
40°	297.7
42.5°	229.3
45°	167.3
47.5°	125.2
50°	96.8
52.5°	76.8
55°	61.0
57.5°	49.4
60°	38.9
62.5°	28.4
65°	17.9
67.5°	6.3
70°	1.1
72.5°	1.1
75°	0.0
77.5°	0.0
80°	0.0
82.5°	1.1
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)