

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P768984

Luminaire Tested: LD6D60D010-EU6DR4555659035-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768984
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D60D010-EU6DR4555659035-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 45° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

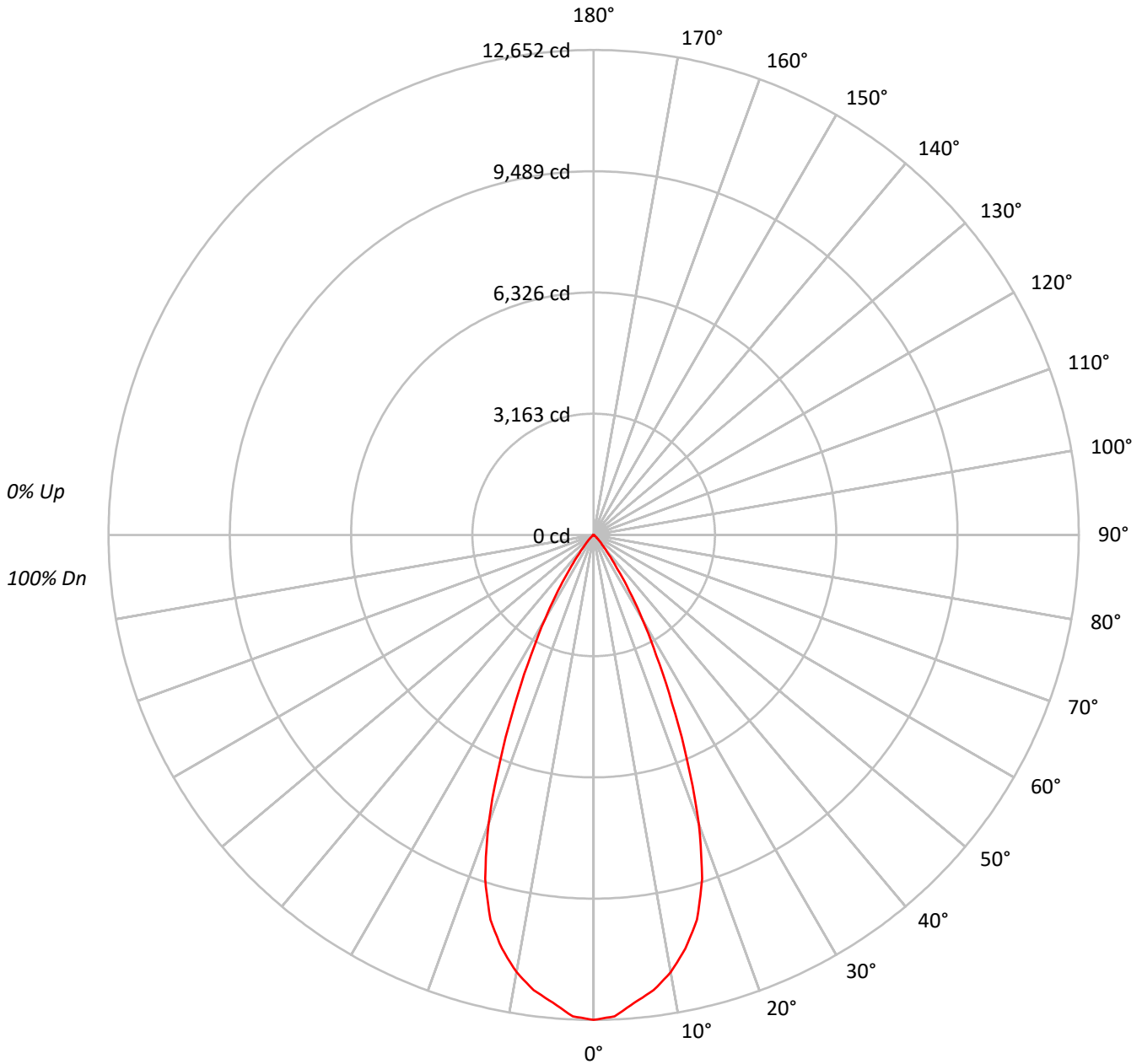
Lumens per Lamp: N/A
Luminaire Lumens: 7158.0 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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: P768984
CATALOG NUMBER: LD6D60D010-EU6DR4555659035-6LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P768984

CATALOG NUMBER: LD6D60D010-EU6DR4555659035-6LBCSSQMW

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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95																			
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90																			
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85																			
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81																			
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77																			
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73																			
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69																			
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66																			
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63																			
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1382345
5°	1342987
10°	1284880
15°	1175933
20°	932927
25°	582442
30°	321023
35°	144147
40°	56767
45°	26747
50°	12680
55°	6629
60°	3256
65°	776
70°	319
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 26747 cd/sqm



TEST NUMBER: P768984

CATALOG NUMBER: LD6D60D010-EU6DR4555659035-6LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1150.5	16.1
10°-20°	2831.6	39.6
20°-30°	2242.3	31.3
30°-40°	746.7	10.4
40°-50°	148.2	2.1
50°-60°	33.7	0.5
60°-70°	4.9	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°	6224.4	87.0
0°-40°	6971.1	97.4
0°-60°	7153.0	99.9
0°-90°	7158.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7158.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12652	
5°	12245	###
15°	10396	2832
25°	4831	2242
35°	1081	747
45°	173	148
55°	35	34
65°	3	5
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P768984

CATALOG NUMBER: LD6D60D010-EU6DR4555659035-6LBCSSQMW

CANDELA DISTRIBUTION (FULL):

0°	
0°	12651.8
2.5°	12569.3
5°	12244.8
7.5°	11977.2
10°	11581.1
12.5°	11053.7
15°	10395.9
17.5°	9406.8
20°	8023.6
22.5°	6375.7
25°	4831.3
27.5°	3537.6
30°	2544.5
32.5°	1730.5
35°	1080.7
37.5°	640.9
40°	398.0
42.5°	261.7
45°	173.1
47.5°	111.5
50°	74.6
52.5°	49.8
55°	34.8
57.5°	22.9
60°	14.9
62.5°	8.0
65°	3.0
67.5°	1.0
70°	1.0
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)