

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: P763407

Luminaire Tested: LD6D25D010-EU6DR5020359024-6LBCSSQMW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763407
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D25D010-EU6DR5020359024-6LBCSSQMW
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2490.8 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 25.1
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



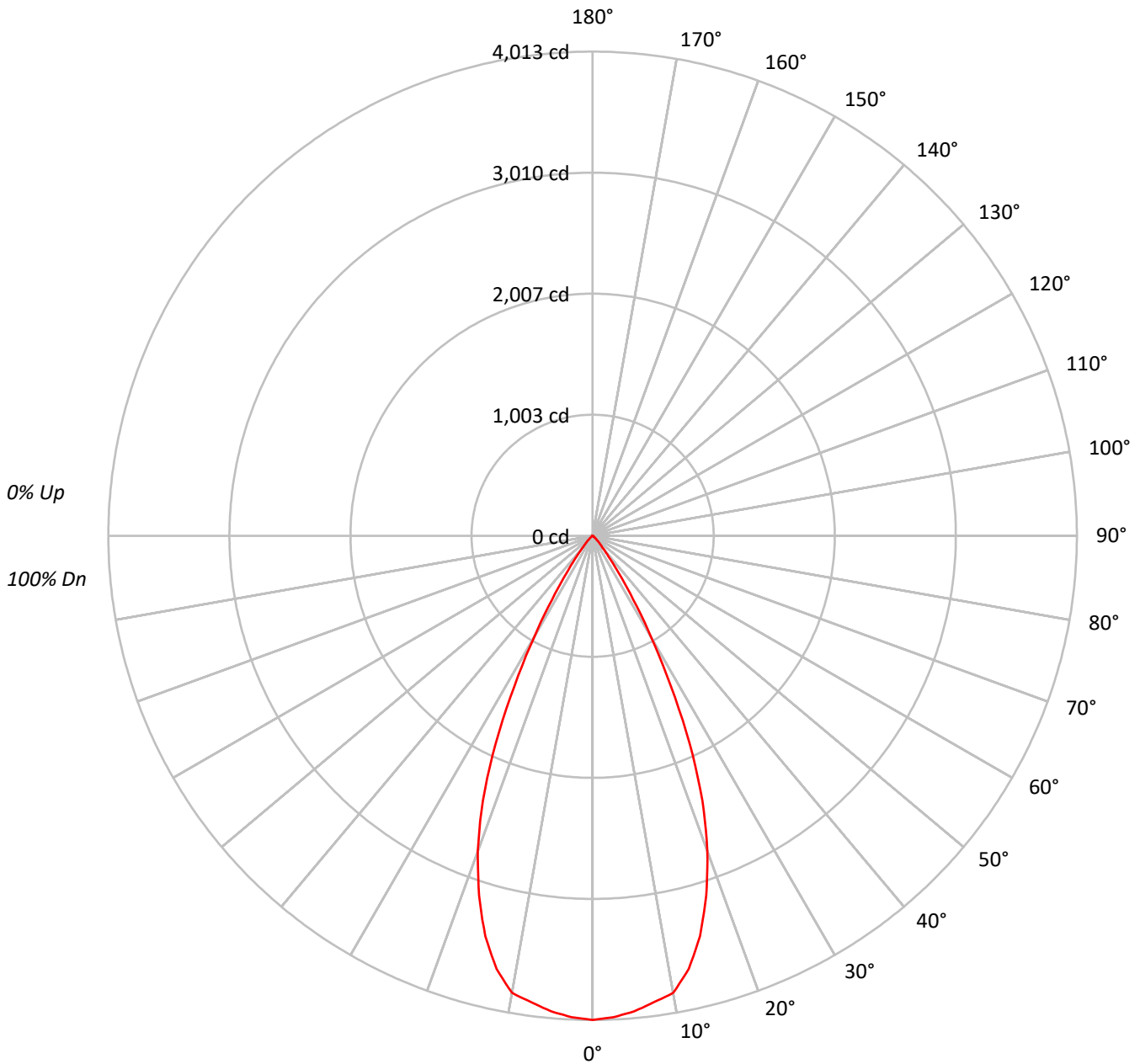
Downlight



TEST NUMBER: P763407

CATALOG NUMBER: LD6D25D010-EU6DR5020359024-6LBCSSQMW

Luminous Intensity Polar Plot





TEST NUMBER: P763407

CATALOG NUMBER: LD6D25D010-EU6DR5020359024-6LBCSSQMW

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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95	95	
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90	90	
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85	85	
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80	80	
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76	76	
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72	72	
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69	69	
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65	65	
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62	62	
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59	59	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	438496
5°	433898
10°	426744
15°	388595
20°	323355
25°	229526
30°	121495
35°	49512
40°	18385
45°	8421
50°	3451
55°	1810
60°	896
65°	259
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8421 cd/sqm



TEST NUMBER: P763407

CATALOG NUMBER: LD6D25D010-EU6DR5020359024-6LBCSSQMW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.9	15.0
10°-20°	945.0	37.9
20°-30°	848.9	34.1
30°-40°	265.8	10.7
40°-50°	46.5	1.9
50°-60°	9.3	0.4
60°-70°	1.4	0.1
70°-80°	0.0	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°	2167.8	87.0
0°-40°	2433.6	97.7
0°-60°	2489.4	99.9
0°-90°	2490.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2490.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4013	
5°	3956	374
15°	3435	945
25°	1904	849
35°	371	266
45°	54	47
55°	10	9
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P763407

CATALOG NUMBER: LD6D25D010-EU6DR5020359024-6LBCSSQMW

CANDELA DISTRIBUTION (FULL):

	0°
0°	4013.3
2.5°	3993.3
5°	3956.1
7.5°	3899.2
10°	3846.4
12.5°	3677.3
15°	3435.4
17.5°	3128.1
20°	2781.0
22.5°	2379.4
25°	1903.9
27.5°	1399.8
30°	963.0
32.5°	627.0
35°	371.2
37.5°	213.1
40°	128.9
42.5°	83.9
45°	54.5
47.5°	33.2
50°	20.3
52.5°	13.9
55°	9.5
57.5°	6.4
60°	4.1
62.5°	2.3
65°	1.0
67.5°	0.3
70°	0.0
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)