

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: P763442

Luminaire Tested: LD6D25D010-EU6DR5020359030-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763442
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-EU6DR5020359030-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2566.4 lumens
Efficiency: N/A
Efficacy: 102.2 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



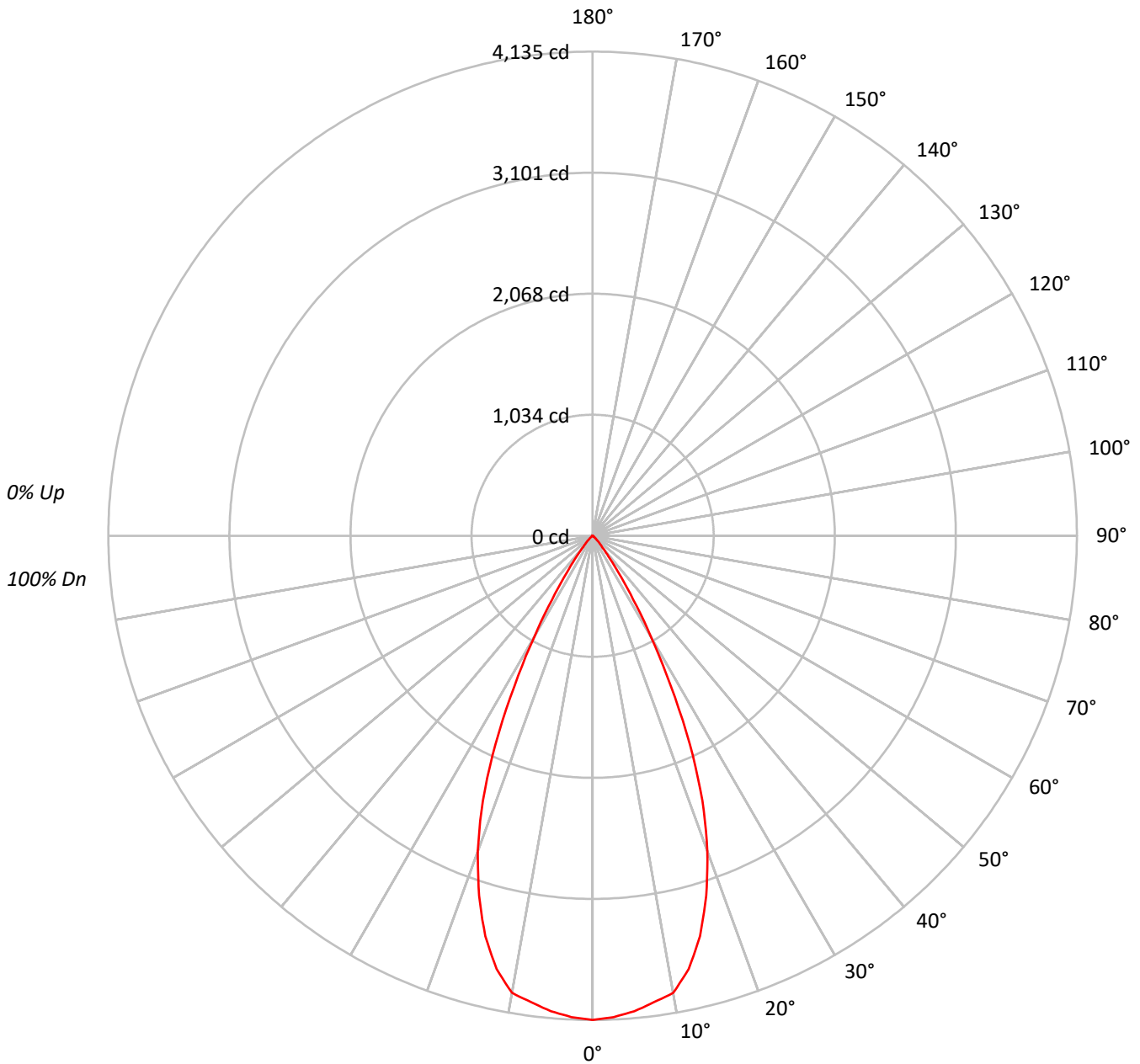
Downlight



TEST NUMBER: P763442

CATALOG NUMBER: LD6D25D010-EU6DR5020359030-6LBSQW1B

Luminous Intensity Polar Plot





TEST NUMBER: P763442

CATALOG NUMBER: LD6D25D010-EU6DR5020359030-6LBSQW1B

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	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°	451815
5°	447070
10°	439713
15°	400393
20°	333168
25°	236507
30°	125179
35°	51006
40°	18941
45°	8668
50°	3553
55°	1848
60°	918
65°	259
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8668 cd/sqm



TEST NUMBER: P763442

CATALOG NUMBER: LD6D25D010-EU6DR5020359030-6LBSQW1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.3	15.0
10°-20°	973.7	37.9
20°-30°	874.6	34.1
30°-40°	273.8	10.7
40°-50°	47.9	1.9
50°-60°	9.5	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°	2233.6	87.0
0°-40°	2507.4	97.7
0°-60°	2564.9	99.9
0°-90°	2566.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2566.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4135	
5°	4076	385
15°	3540	974
25°	1962	875
35°	382	274
45°	56	48
55°	10	10
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P763442

CATALOG NUMBER: LD6D25D010-EU6DR5020359030-6LBSQW1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	4135.2
2.5°	4114.6
5°	4076.2
7.5°	4017.6
10°	3963.3
12.5°	3788.9
15°	3539.7
17.5°	3223.1
20°	2865.4
22.5°	2451.6
25°	1961.8
27.5°	1442.3
30°	992.2
32.5°	646.0
35°	382.4
37.5°	219.6
40°	132.8
42.5°	86.5
45°	56.1
47.5°	34.1
50°	20.9
52.5°	14.3
55°	9.7
57.5°	6.6
60°	4.2
62.5°	2.5
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)