

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: P763755

Luminaire Tested: LD6D25D010-EU6DR7020359030-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P763755
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D25D010-EU6DR7020359030-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2354.6 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
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

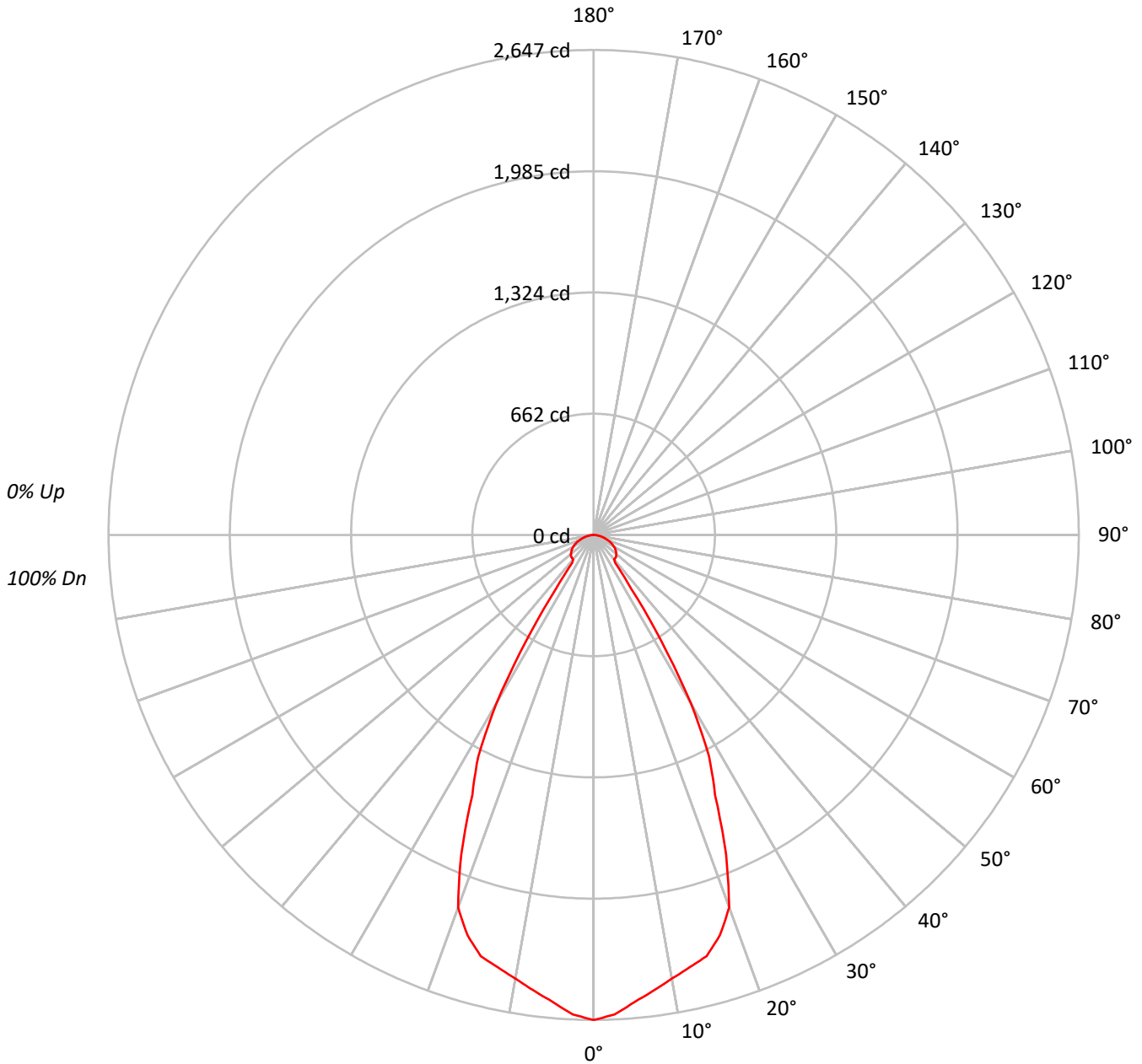


Downlight



TEST NUMBER: P763755
CATALOG NUMBER: LD6D25D010-EU6DR7020359030-6LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P763755

CATALOG NUMBER: LD6D25D010-EU6DR7020359030-6LBSQW1MW

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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	289246
5°	280655
10°	272828
15°	269248
20°	251428
25°	188887
30°	133531
35°	47298
40°	24860
45°	26484
50°	27418
55°	27945
60°	28124
65°	27534
70°	25972
75°	24063
80°	21393
85°	17300

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 28124 cd/sqm



TEST NUMBER: P763755

CATALOG NUMBER: LD6D25D010-EU6DR7020359030-6LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.4	10.3
10°-20°	662.0	28.1
20°-30°	729.2	31.0
30°-40°	278.6	11.8
40°-50°	131.5	5.6
50°-60°	130.8	5.6
60°-70°	104.7	4.4
70°-80°	60.2	2.6
80°-90°	16.3	0.7
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°	1632.5	69.3
0°-40°	1911.1	81.2
0°-60°	2173.4	92.3
0°-90°	2354.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2354.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2647	
5°	2559	241
15°	2380	662
25°	1567	729
35°	355	279
45°	171	132
55°	147	131
65°	106	105
75°	57	60
85°	14	16
90°	0	



TEST NUMBER: P763755

CATALOG NUMBER: LD6D25D010-EU6DR7020359030-6LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2647.3
2.5°	2619.6
5°	2558.9
7.5°	2508.1
10°	2459.1
12.5°	2417.6
15°	2380.3
17.5°	2290.2
20°	2162.4
22.5°	1886.6
25°	1566.8
27.5°	1363.9
30°	1058.4
32.5°	683.6
35°	354.6
37.5°	191.5
40°	174.3
42.5°	173.1
45°	171.4
47.5°	167.6
50°	161.3
52.5°	154.2
55°	146.7
57.5°	138.3
60°	128.7
62.5°	117.8
65°	106.5
67.5°	93.9
70°	81.3
72.5°	68.8
75°	57.0
77.5°	44.9
80°	34.0
82.5°	23.9
85°	13.8
87.5°	5.4
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)