

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: P763005

Luminaire Tested: LD6D25D010-EU6DR2015309050-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763005
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D25D010-EU6DR2015309050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2761.4 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.36
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

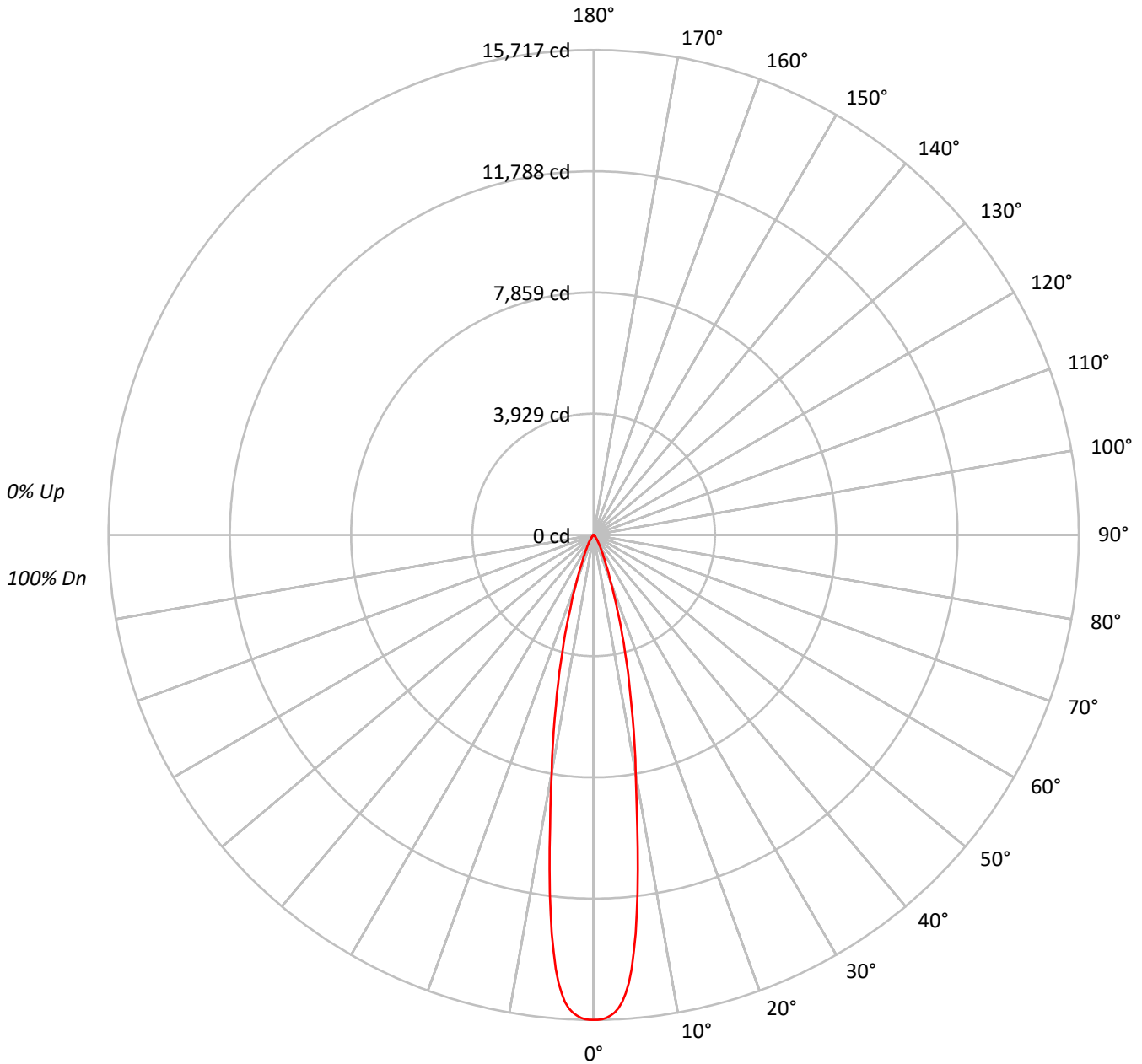


Downlight



TEST NUMBER: P763005
CATALOG NUMBER: LD6D25D010-EU6DR2015309050-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P763005

CATALOG NUMBER: LD6D25D010-EU6DR2015309050-6LBDP1B

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				100															
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	98	96	95	94														
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	98	96	95	94														
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	95	93	92	91														
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	93	91	89	88														
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	91	88	86	85														
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	88	86	84	83														
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	86	84	82	81														
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	84	82	80	79														
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	82	80	78	77														
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	81	78	76	75														

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1717240
5°	1549269
10°	869541
15°	441997
20°	187141
25°	86390
30°	45734
35°	24636
40°	13179
45°	7788
50°	4521
55°	2400
60°	1530
65°	1086
70°	447
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7788 cd/sqm



TEST NUMBER: P763005

CATALOG NUMBER: LD6D25D010-EU6DR2015309050-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1119.0	40.5
10°-20°	1101.9	39.9
20°-30°	360.0	13.0
30°-40°	122.6	4.4
40°-50°	41.2	1.5
50°-60°	12.4	0.4
60°-70°	4.1	0.1
70°-80°	0.2	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°	2580.9	93.5
0°-40°	2703.4	97.9
0°-60°	2757.1	99.8
0°-90°	2761.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2761.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	15717	
5°	14126	###
15°	3908	1102
25°	717	360
35°	185	123
45°	50	41
55°	13	12
65°	4	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P763005

CATALOG NUMBER: LD6D25D010-EU6DR2015309050-6LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	15716.9
0.5°	15716.9
1°	15697.3
1.5°	15658.1
2°	15586.8
2.5°	15491.6
3°	15357.2
3.5°	15169.7
4°	14891.2
4.5°	14552.5
5°	14125.6
5.5°	13564.4
6°	12989.2
6.5°	12330.0
7°	11684.8
7.5°	10929.1
8°	10254.5
8.5°	9575.7
9°	8948.7
9.5°	8373.5
10°	7837.5
12.5°	5627.6
15°	3907.5
17.5°	2552.8
20°	1609.5
22.5°	1042.7
25°	716.6
27.5°	503.8
30°	362.5
32.5°	260.3
35°	184.7
37.5°	128.8
40°	92.4
42.5°	67.2
45°	50.4
47.5°	39.2
50°	26.6
52.5°	16.8
55°	12.6
57.5°	9.8
60°	7.0
62.5°	5.6
65°	4.2



TEST NUMBER: P763005
CATALOG NUMBER: LD6D25D010-EU6DR2015309050-6LBDP1B

CANDELA DISTRIBUTION (continued):

	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



67.5°		2.8
70°		1.4

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

Scaled Data Report



(END OF REPORT)