

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: P762944

Luminaire Tested: LD6D25D010-EU6DR2015309024-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P762944
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-EU6DR2015309024-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 20° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2582.2 lumens
Efficiency: N/A
Efficacy: 102.9 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 (A_{in}): 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

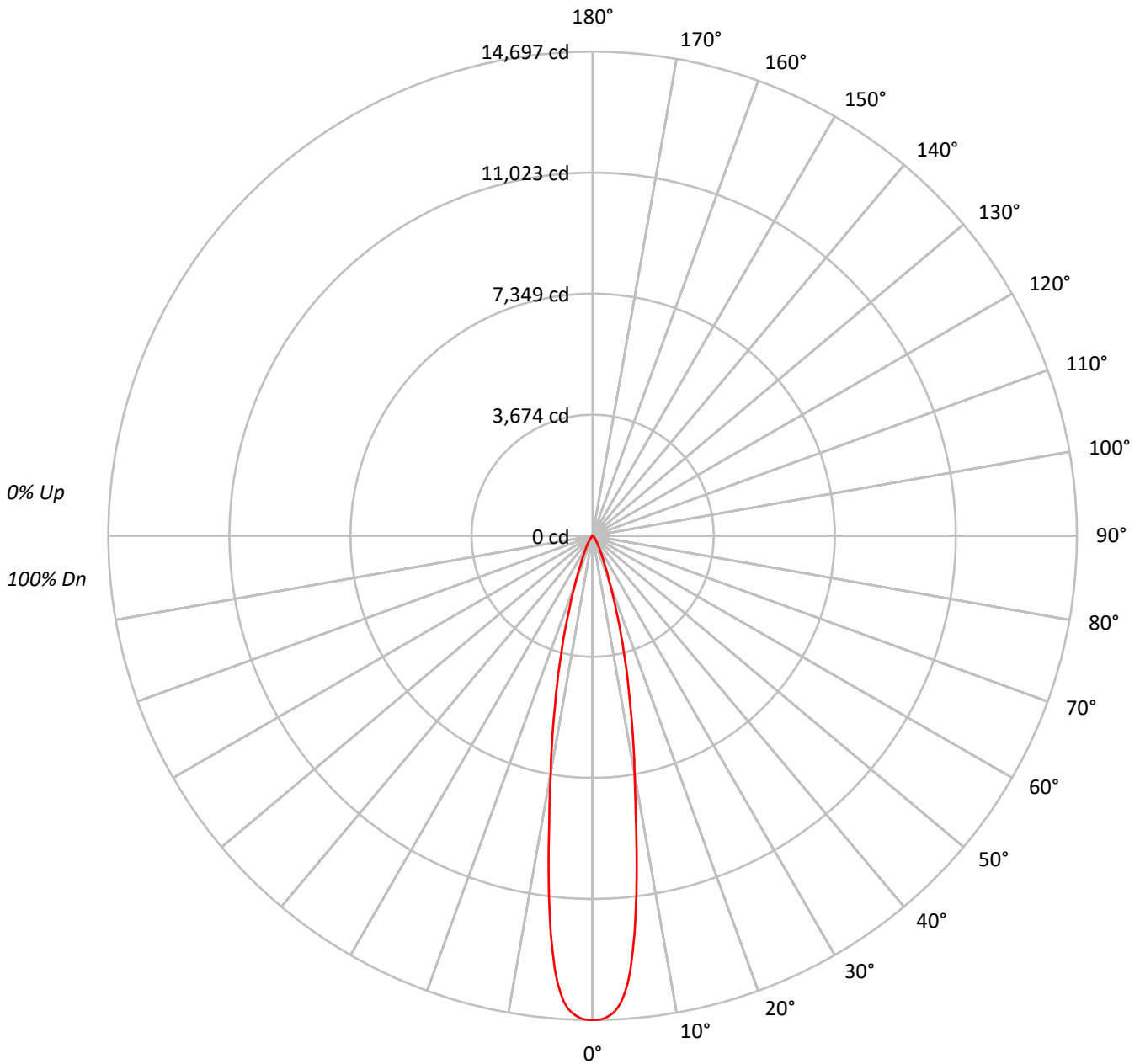


Downlight



TEST NUMBER: P762944
CATALOG NUMBER: LD6D25D010-EU6DR2015309024-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P762944

CATALOG NUMBER: LD6D25D010-EU6DR2015309024-6LBS1B

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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	97	97	97	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	94	94	94	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	91	91	91	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	88	88	88	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	85	85	85	85
6	99	93	89	86	98	92	88	86	91	87	85	90	87	84	88	86	84	83	83	83	83
7	96	90	86	83	95	89	86	83	88	85	82	87	84	82	86	84	82	81	81	81	81
8	94	87	83	81	93	87	83	80	86	83	80	85	82	80	84	82	80	79	79	79	79
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	77	77	77
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	81	78	76	75	75	75	75

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1605816
5°	1448749
10°	813114
15°	413322
20°	174991
25°	80785
30°	42769
35°	23049
40°	12323
45°	7278
50°	4232
55°	2248
60°	1420
65°	1008
70°	415
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7278 cd/sqm



TEST NUMBER: P762944

CATALOG NUMBER: LD6D25D010-EU6DR2015309024-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1046.4	40.5
10°-20°	1030.4	39.9
20°-30°	336.6	13.0
30°-40°	114.6	4.4
40°-50°	38.5	1.5
50°-60°	11.6	0.4
60°-70°	3.8	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°	2413.4	93.5
0°-40°	2528.0	97.9
0°-60°	2578.1	99.8
0°-90°	2582.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2582.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	14697	
5°	13209	###
15°	3654	1030
25°	670	337
35°	173	115
45°	47	39
55°	12	12
65°	4	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P762944

CATALOG NUMBER: LD6D25D010-EU6DR2015309024-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	14697.1
0.5°	14697.1
1°	14678.8
1.5°	14642.2
2°	14575.4
2.5°	14486.4
3°	14360.8
3.5°	14185.4
4°	13925.0
4.5°	13608.2
5°	13209.1
5.5°	12684.3
6°	12146.4
6.5°	11530.0
7°	10926.6
7.5°	10219.9
8°	9589.1
8.5°	8954.4
9°	8368.1
9.5°	7830.2
10°	7328.9
12.5°	5262.4
15°	3654.0
17.5°	2387.1
20°	1505.0
22.5°	975.0
25°	670.1
27.5°	471.1
30°	339.0
32.5°	243.4
35°	172.8
37.5°	120.4
40°	86.4
42.5°	62.8
45°	47.1
47.5°	36.6
50°	24.9
52.5°	15.7
55°	11.8
57.5°	9.2
60°	6.5
62.5°	5.2
65°	3.9



TEST NUMBER: P762944
CATALOG NUMBER: LD6D25D010-EU6DR2015309024-6LBS1B

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°		2.6
70°		1.3

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

Scaled Data Report



(END OF REPORT)