

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



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: P766467

Luminaire Tested: LD6D45BD010-EU6DR3540509027-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P766467
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D45BD010-EU6DR3540509027-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 35° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4452.5 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Spacing Criteria (0/90/45): 0.6 / 0.6 / 0.54
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

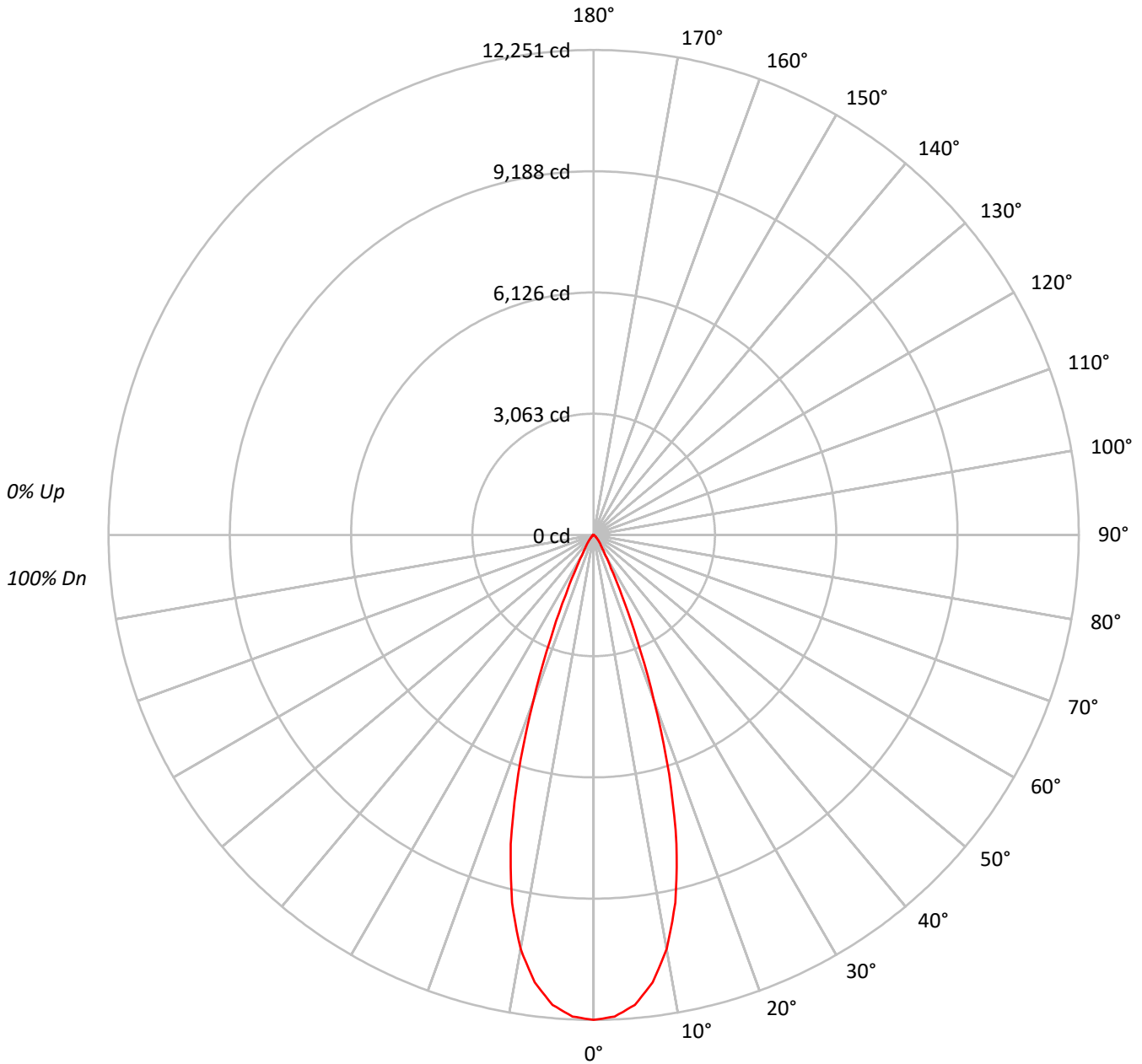
Input Watts (W): 38.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P766467
CATALOG NUMBER: LD6D45BD010-EU6DR3540509027-6LBS1B

Luminous Intensity Polar Plot





TEST NUMBER: P766467

CATALOG NUMBER: LD6D45BD010-EU6DR3540509027-6LBS1B

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	115	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	98	96						96													
2	110	106	103	101	108	105	102	99	102	99	97	99	97	95	96	95	93	92						92													
3	106	101	97	94	105	100	96	93	97	95	92	95	93	91	93	91	89	88						88													
4	103	97	92	89	101	96	92	89	94	90	88	92	89	87	90	88	86	84						84													
5	99	93	88	85	98	92	87	84	90	86	84	89	85	83	87	84	82	81						81													
6	96	89	84	81	94	88	84	81	87	83	80	85	82	80	84	81	79	78						78													
7	93	85	81	78	91	85	80	77	84	80	77	83	79	77	82	79	76	75						75													
8	90	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72						72													
9	87	79	75	72	86	79	75	72	78	74	71	77	74	71	77	73	71	70						70													
10	84	77	72	69	83	76	72	69	76	72	69	75	71	69	74	71	69	68						68													

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1338543
5°	1307089
10°	1178028
15°	914343
20°	518600
25°	201762
30°	75269
35°	41255
40°	26971
45°	16410
50°	10454
55°	7372
60°	5397
65°	2947
70°	224
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16410 cd/sqm



TEST NUMBER: P766467

CATALOG NUMBER: LD6D45BD010-EU6DR3540509027-6LBS1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1096.1	24.6
10°-20°	2140.0	48.1
20°-30°	872.8	19.6
30°-40°	208.9	4.7
40°-50°	87.0	2.0
50°-60°	36.0	0.8
60°-70°	11.3	0.3
70°-80°	0.3	0.0
80°-90°	0.2	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°	4108.8	92.3
0°-40°	4317.7	97.0
0°-60°	4440.7	99.7
0°-90°	4452.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4452.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12251	
5°	11918	###
15°	8083	2140
25°	1674	873
35°	309	209
45°	106	87
55°	39	36
65°	11	11
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P766467

CATALOG NUMBER: LD6D45BD010-EU6DR3540509027-6LBS1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	12250.9
2.5°	12177.4
5°	11917.5
7.5°	11399.0
10°	10618.0
12.5°	9518.4
15°	8083.3
17.5°	6328.2
20°	4460.2
22.5°	2844.1
25°	1673.6
27.5°	946.0
30°	596.6
32.5°	418.9
35°	309.3
37.5°	239.2
40°	189.1
42.5°	145.6
45°	106.2
47.5°	79.5
50°	61.5
52.5°	48.8
55°	38.7
57.5°	31.4
60°	24.7
62.5°	18.0
65°	11.4
67.5°	4.0
70°	0.7
72.5°	0.7
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.7
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)