

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: P766529

Luminaire Tested: LD6D45BD010-EU6DR4040509024-6LBDP1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P766529
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-28)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D45BD010-EU6DR4040509024-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 40° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4386.6 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.6
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

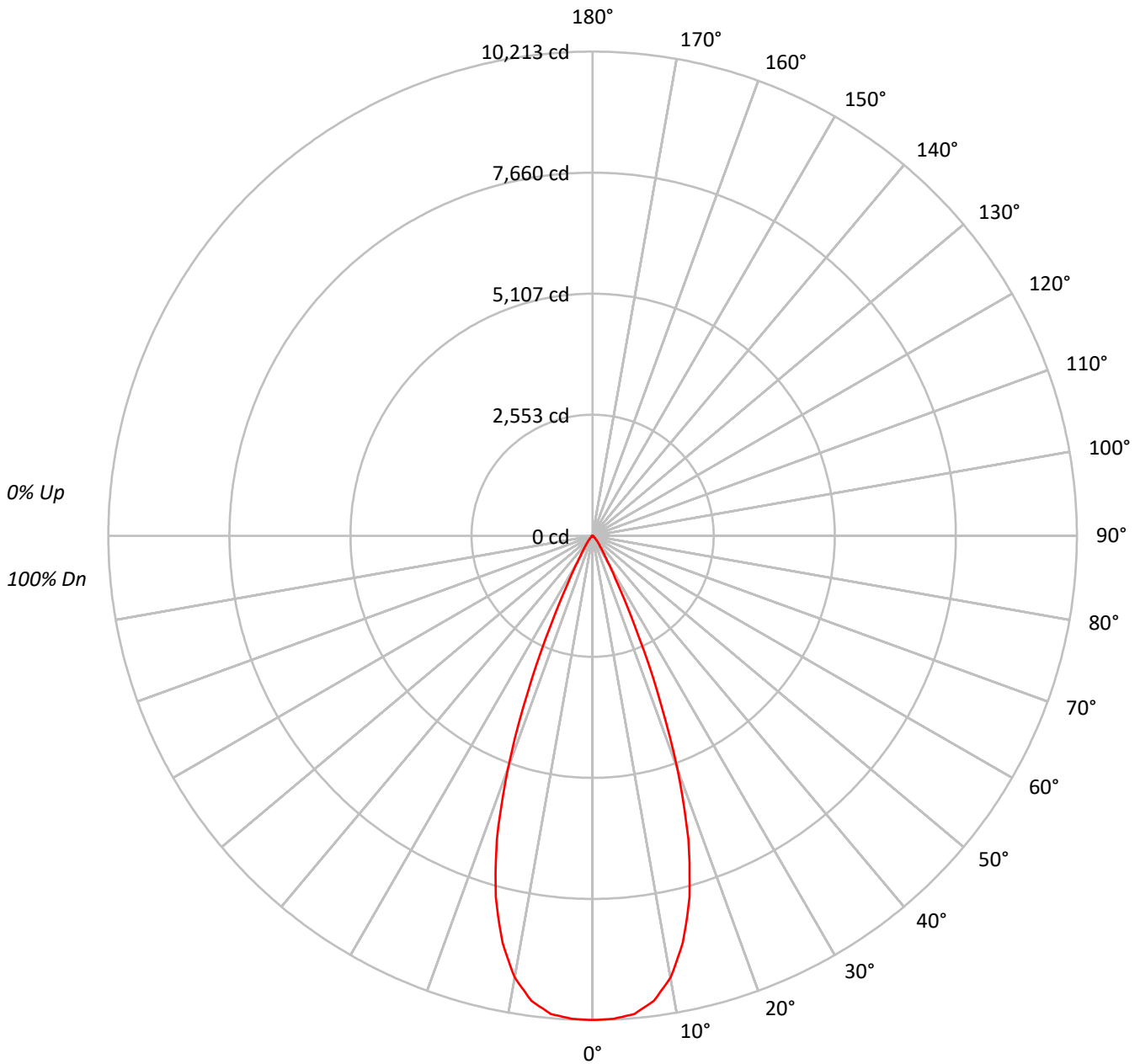


Downlight

TEST NUMBER: P766529

CATALOG NUMBER: LD6D45BD010-EU6DR4040509024-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P766529

CATALOG NUMBER: LD6D45BD010-EU6DR4040509024-6LBDP1H

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	112	110	108	112	110	108	107	106	105	103	103	101	100	99	98	97	96			96																
2	110	106	103	100	108	105	102	99	102	99	97	99	97	95	96	95	93	92			92																
3	106	101	97	94	104	100	96	93	97	94	92	95	93	90	93	91	89	88			88																
4	102	97	92	89	101	95	91	88	93	90	87	92	89	86	90	87	85	84			84																
5	99	92	88	84	97	91	87	84	90	86	83	88	85	83	87	84	82	81			81																
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77			77																
7	92	85	80	77	91	84	80	77	83	79	76	82	79	76	81	78	76	74			74																
8	89	82	77	74	88	81	77	74	80	76	73	79	76	73	78	75	73	72			72																
9	86	79	74	71	85	78	74	71	77	73	71	76	73	70	76	72	70	69			69																
10	83	76	71	68	82	75	71	68	75	71	68	74	70	68	73	70	68	67			67																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1115891
5°	1110469
10°	1049629
15°	892319
20°	608177
25°	253758
30°	79786
35°	37080
40°	20510
45°	9410
50°	4555
55°	2495
60°	1311
65°	465
70°	192
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9410 cd/sqm



TEST NUMBER: P766529

CATALOG NUMBER: LD6D45BD010-EU6DR4040509024-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	945.4	21.6
10°-20°	2117.9	48.3
20°-30°	1060.2	24.2
30°-40°	194.3	4.4
40°-50°	53.6	1.2
50°-60°	12.6	0.3
60°-70°	2.4	0.1
70°-80°	0.1	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°	4123.5	94.0
0°-40°	4317.8	98.4
0°-60°	4384.1	99.9
0°-90°	4386.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4386.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10213	
5°	10125	945
15°	7889	2118
25°	2105	1060
35°	278	194
45°	61	54
55°	13	13
65°	2	2
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P766529

CATALOG NUMBER: LD6D45BD010-EU6DR4040509024-6LBDP1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	10213.1
2.5°	10198.2
5°	10124.8
7.5°	9890.9
10°	9460.7
12.5°	8790.1
15°	7888.6
17.5°	6716.2
20°	5230.6
22.5°	3566.0
25°	2104.9
27.5°	1112.7
30°	632.4
32.5°	408.7
35°	278.0
37.5°	198.7
40°	143.8
42.5°	98.4
45°	60.9
47.5°	38.8
50°	26.8
52.5°	19.1
55°	13.1
57.5°	8.4
60°	6.0
62.5°	3.6
65°	1.8
67.5°	1.2
70°	0.6
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)