

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: P757746

Luminaire Tested: LD6D02D010-EU6DR700210IC9024-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P757746
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: LD6D02D010-EU6DR700210IC9024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 185.7 lumens
Efficiency: N/A
Efficacy: 36.4 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): 5.1
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



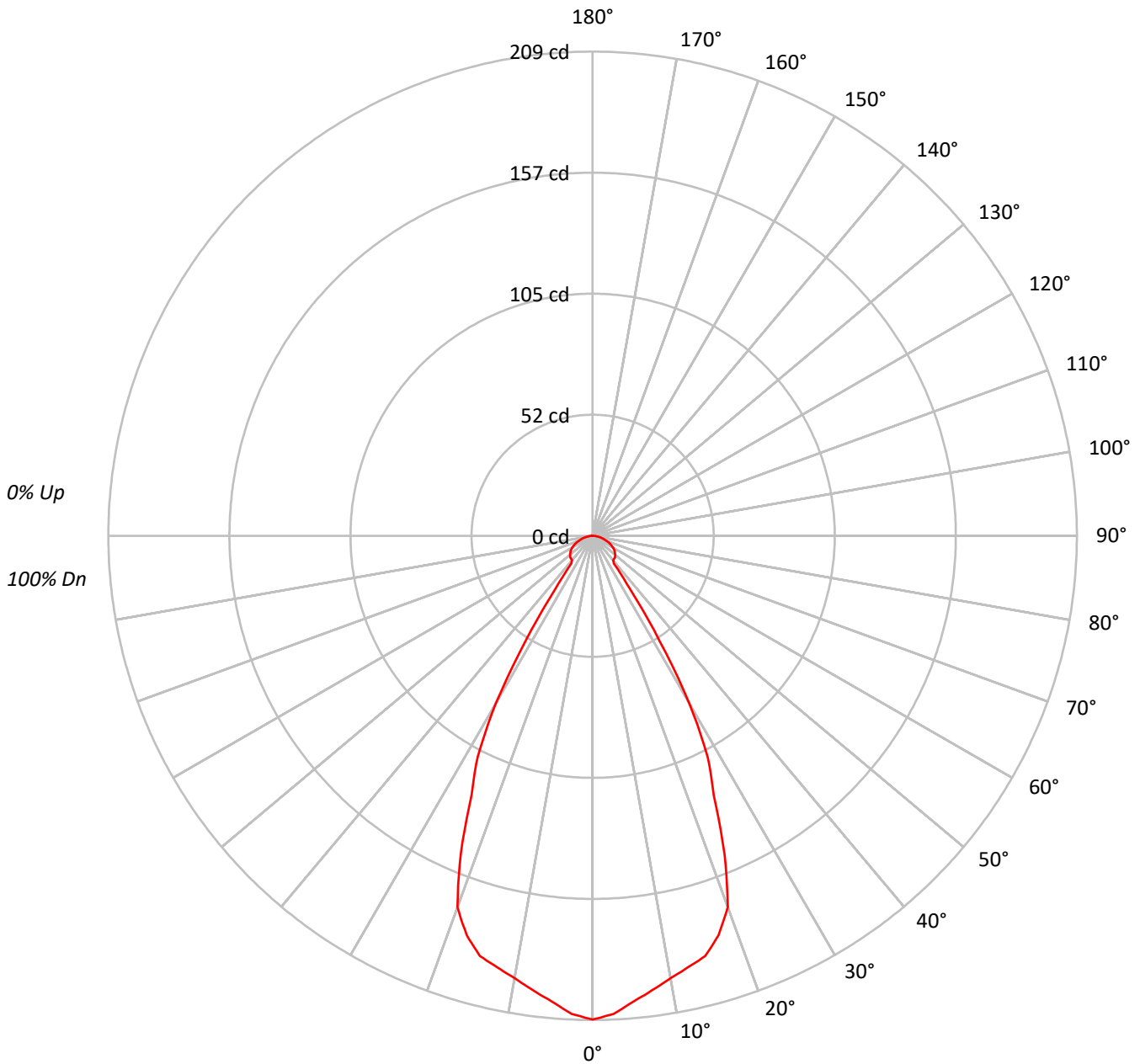
Downlight



TEST NUMBER: P757746

CATALOG NUMBER: LD6D02D010-EU6DR700210IC9024-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P757746

CATALOG NUMBER: LD6D02D010-EU6DR700210IC9024-6LBDP1B

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																			
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	68	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°	22814
5°	22133
10°	21512
15°	21243
20°	19836
25°	14901
30°	10535
35°	3735
40°	1968
45°	2086
50°	2159
55°	2210
60°	2207
65°	2172
70°	2045
75°	1900
80°	1699
85°	1379

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 2217 cd/sqm



TEST NUMBER: P757746

CATALOG NUMBER: LD6D02D010-EU6DR700210IC9024-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.0	10.2
10°-20°	52.2	28.1
20°-30°	57.5	31.0
30°-40°	22.0	11.8
40°-50°	10.4	5.6
50°-60°	10.3	5.5
60°-70°	8.3	4.4
70°-80°	4.8	2.6
80°-90°	1.3	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°	128.8	69.3
0°-40°	150.7	81.2
0°-60°	171.4	92.3
0°-90°	185.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	185.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	209	
5°	202	19
15°	188	52
25°	124	58
35°	28	22
45°	14	10
55°	12	10
65°	8	8
75°	4	5
85°	1	1
90°	0	



TEST NUMBER: P757746

CATALOG NUMBER: LD6D02D010-EU6DR700210IC9024-6LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	208.8
2.5°	206.6
5°	201.8
7.5°	197.8
10°	193.9
12.5°	190.7
15°	187.8
17.5°	180.7
20°	170.6
22.5°	148.8
25°	123.6
27.5°	107.5
30°	83.5
32.5°	53.9
35°	28.0
37.5°	15.1
40°	13.8
42.5°	13.6
45°	13.5
47.5°	13.2
50°	12.7
52.5°	12.1
55°	11.6
57.5°	10.9
60°	10.1
62.5°	9.3
65°	8.4
67.5°	7.4
70°	6.4
72.5°	5.4
75°	4.5
77.5°	3.6
80°	2.7
82.5°	1.9
85°	1.1
87.5°	0.5
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)