

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: P757675

Luminaire Tested: LD6D02D010-EU6DR650210IC9024-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757675
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D02D010-EU6DR650210IC9024-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 277.1 lumens
Efficiency: N/A
Efficacy: 54.3 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' 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

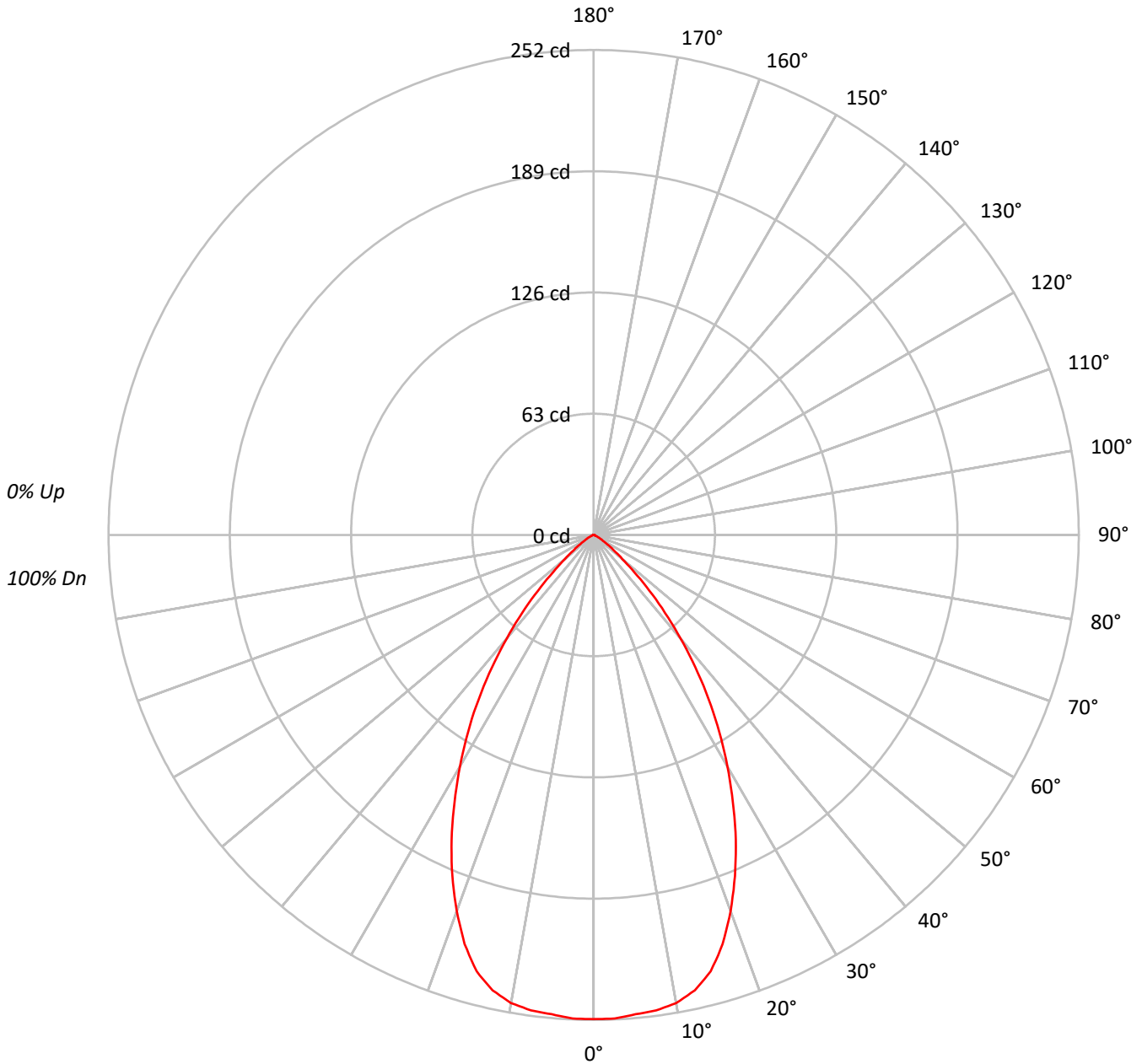


Downlight



TEST NUMBER: P757675
CATALOG NUMBER: LD6D02D010-EU6DR650210IC9024-6LBS1MW

Luminous Intensity Polar Plot





TEST NUMBER: P757675

CATALOG NUMBER: LD6D02D010-EU6DR650210IC9024-6LBS1MW

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	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			93																
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85																
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			78																
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72																
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66																
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61																
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56																
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52																
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49																
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	14694
5°	14657
10°	14648
15°	14197
20°	12921
25°	11258
30°	9367
35°	7422
40°	5352
45°	3386
50°	1763
55°	937
60°	491
65°	263
70°	120
75°	135
80°	101
85°	67

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3386 cd/sqm



TEST NUMBER: P757675

CATALOG NUMBER: LD6D02D010-EU6DR650210IC9024-6LBS1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.8	8.6
10°-20°	65.2	23.5
20°-30°	79.6	28.7
30°-40°	64.6	23.3
40°-50°	32.2	11.6
50°-60°	9.0	3.2
60°-70°	2.0	0.7
70°-80°	0.5	0.2
80°-90°	0.1	0.1
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°	168.6	60.8
0°-40°	233.2	84.2
0°-60°	274.4	99.0
0°-90°	277.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	277.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	252	
5°	250	24
15°	235	65
25°	175	80
35°	104	65
45°	41	32
55°	9	9
65°	2	2
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P757675

CATALOG NUMBER: LD6D02D010-EU6DR650210IC9024-6LBS1MW

CANDELA DISTRIBUTION (FULL):

0°	
0°	251.6
2.5°	251.5
5°	250.0
7.5°	249.2
10°	247.0
12.5°	242.4
15°	234.8
17.5°	222.9
20°	207.9
22.5°	191.8
25°	174.7
27.5°	156.5
30°	138.9
32.5°	121.5
35°	104.1
37.5°	86.7
40°	70.2
42.5°	54.8
45°	41.0
47.5°	28.5
50°	19.4
52.5°	13.4
55°	9.2
57.5°	6.2
60°	4.2
62.5°	2.9
65°	1.9
67.5°	1.0
70°	0.7
72.5°	0.6
75°	0.6
77.5°	0.3
80°	0.3
82.5°	0.2
85°	0.1
87.5°	0.1
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)