

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: P757725

Luminaire Tested: LD6D02D010-EU6DR650210IC9040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P757725
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-EU6DR650210IC9040-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 362.6 lumens
Efficiency: N/A
Efficacy: 71.1 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

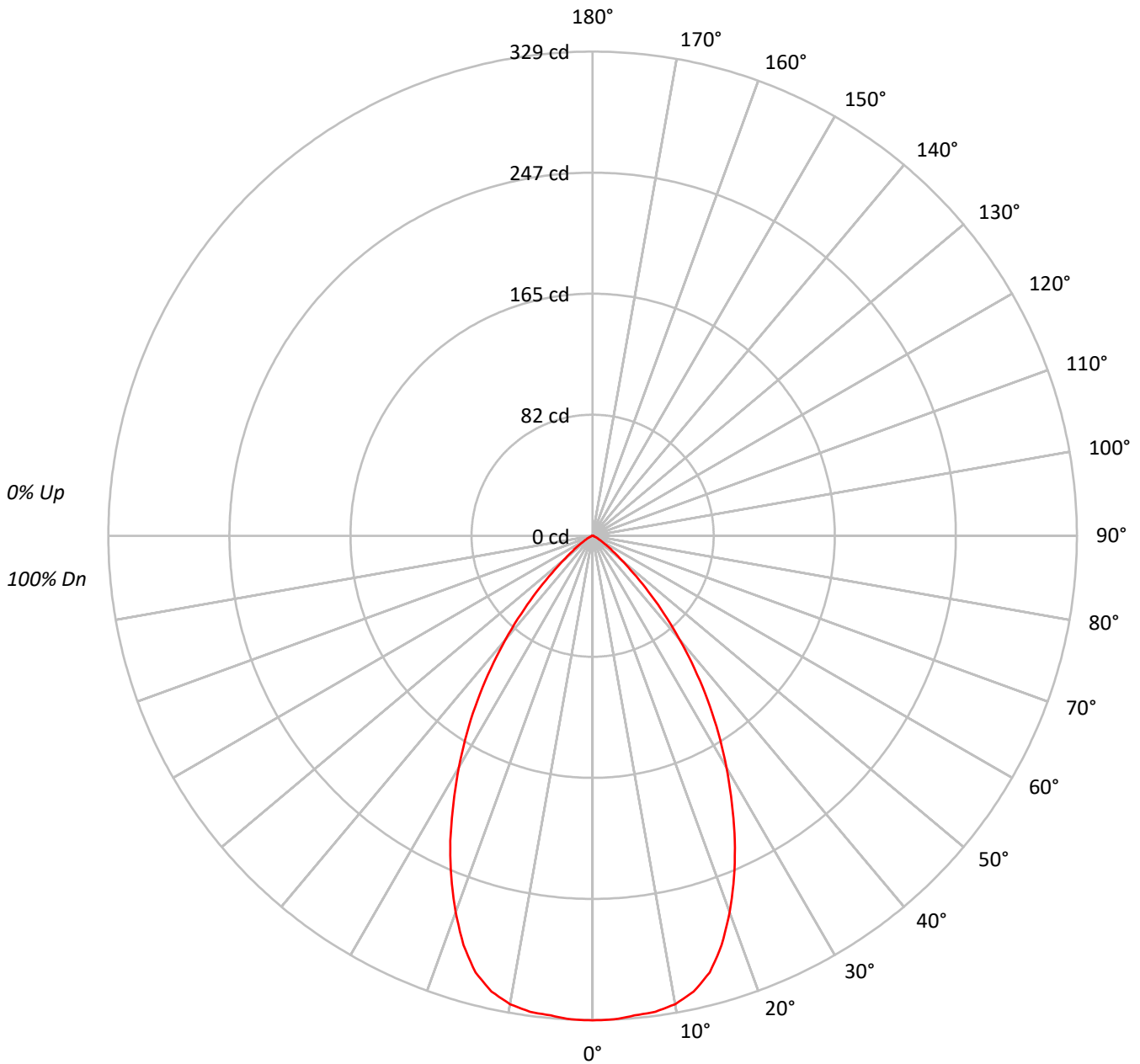


Downlight



TEST NUMBER: P757725
CATALOG NUMBER: LD6D02D010-EU6DR650210IC9040-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P757725

CATALOG NUMBER: LD6D02D010-EU6DR650210IC9040-6LBS1H

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°	19232
5°	19183
10°	19167
15°	18575
20°	16912
25°	14738
30°	12254
35°	9711
40°	7014
45°	4427
50°	2308
55°	1222
60°	642
65°	359
70°	154
75°	158
80°	101
85°	134

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4427 cd/sqm



TEST NUMBER: P757725

CATALOG NUMBER: LD6D02D010-EU6DR650210IC9040-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.1	8.6
10°-20°	85.3	23.5
20°-30°	104.2	28.7
30°-40°	84.6	23.3
40°-50°	42.2	11.6
50°-60°	11.7	3.2
60°-70°	2.7	0.7
70°-80°	0.7	0.2
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°	220.6	60.8
0°-40°	305.2	84.2
0°-60°	359.1	99.0
0°-90°	362.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	362.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	329	
5°	327	31
15°	307	85
25°	229	104
35°	136	85
45°	54	42
55°	12	12
65°	3	3
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P757725

CATALOG NUMBER: LD6D02D010-EU6DR650210IC9040-6LBS1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	329.3
2.5°	329.0
5°	327.2
7.5°	326.2
10°	323.2
12.5°	317.2
15°	307.2
17.5°	291.6
20°	272.1
22.5°	251.0
25°	228.7
27.5°	204.8
30°	181.7
32.5°	159.0
35°	136.2
37.5°	113.5
40°	92.0
42.5°	71.7
45°	53.6
47.5°	37.4
50°	25.4
52.5°	17.5
55°	12.0
57.5°	8.1
60°	5.5
62.5°	3.8
65°	2.6
67.5°	1.3
70°	0.9
72.5°	0.8
75°	0.7
77.5°	0.5
80°	0.3
82.5°	0.2
85°	0.2
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)