

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: P759685

Luminaire Tested: LD6D08D010-EU6DR600210IC9050-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P759685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D08D010-EU6DR600210IC9050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 877.6 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 8.9
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



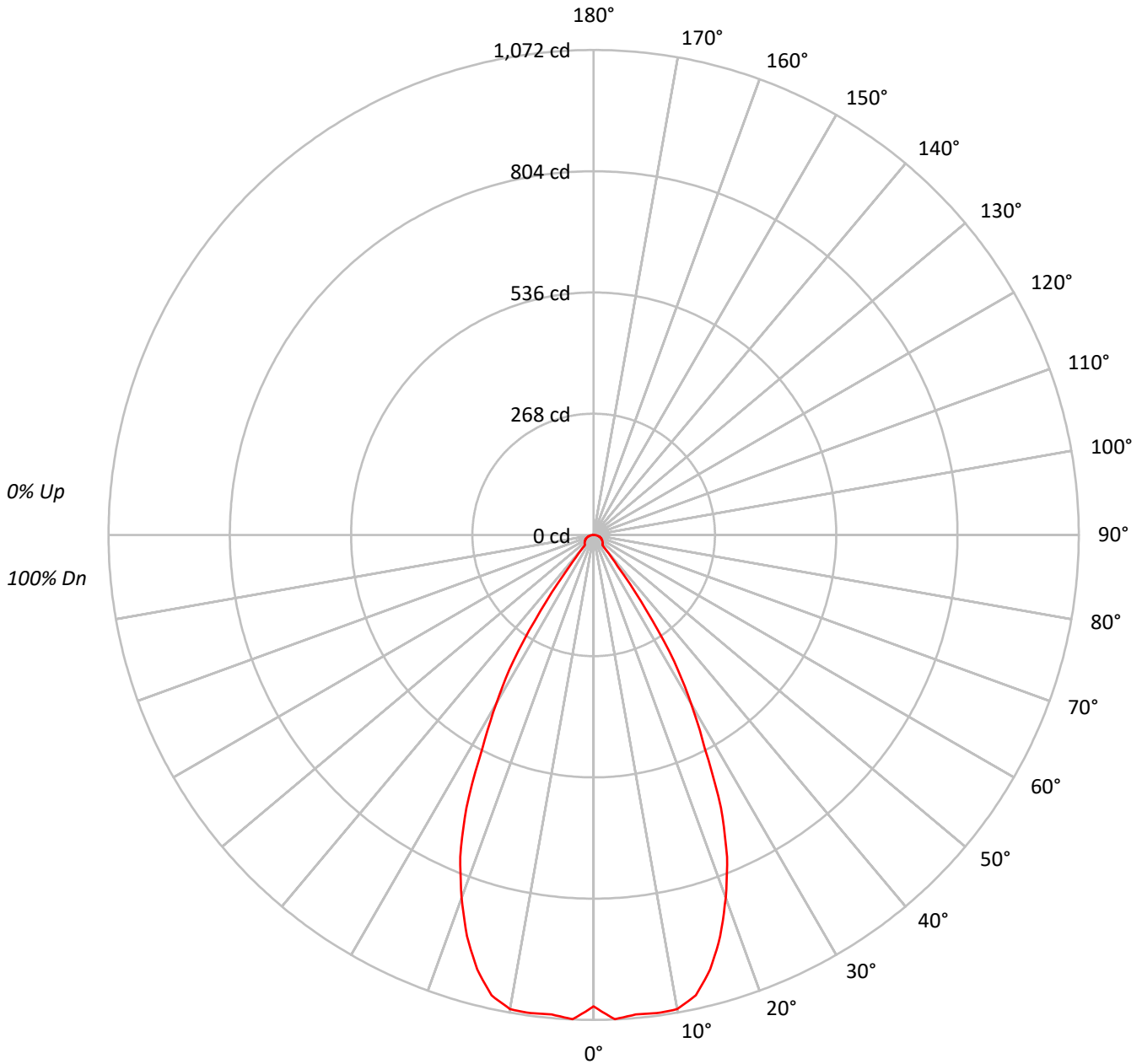
Downlight



TEST NUMBER: P759685

CATALOG NUMBER: LD6D08D010-EU6DR600210IC9050-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P759685

CATALOG NUMBER: LD6D08D010-EU6DR600210IC9050-6LBDP1LI

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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	113882
5°	116687
10°	118091
15°	112493
20°	99192
25°	80230
30°	54263
35°	27197
40°	4407
45°	4327
50°	4402
55°	4477
60°	4589
65°	4705
70°	4824
75°	4855
80°	4656
85°	3886

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 4855 cd/sqm



TEST NUMBER: P759685

CATALOG NUMBER: LD6D08D010-EU6DR600210IC9050-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.7	11.6
10°-20°	275.1	31.3
20°-30°	296.0	33.7
30°-40°	128.7	14.7
40°-50°	21.6	2.5
50°-60°	21.0	2.4
60°-70°	18.0	2.0
70°-80°	12.0	1.4
80°-90°	3.6	0.4
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°	672.8	76.7
0°-40°	801.4	91.3
0°-60°	844.0	96.2
0°-90°	877.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	877.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1042	
5°	1064	102
15°	994	275
25°	666	296
35°	204	129
45°	28	22
55°	24	21
65°	18	18
75°	12	12
85°	3	4
90°	0	



TEST NUMBER: P759685

CATALOG NUMBER: LD6D08D010-EU6DR600210IC9050-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1042.3
2.5°	1071.6
5°	1063.9
7.5°	1066.3
10°	1064.4
12.5°	1042.4
15°	994.5
17.5°	930.2
20°	853.1
22.5°	770.4
25°	665.5
27.5°	532.3
30°	430.1
32.5°	331.5
35°	203.9
37.5°	87.2
40°	30.9
42.5°	28.5
45°	28.0
47.5°	27.0
50°	25.9
52.5°	24.7
55°	23.5
57.5°	22.2
60°	21.0
62.5°	19.7
65°	18.2
67.5°	16.7
70°	15.1
72.5°	13.3
75°	11.5
77.5°	9.5
80°	7.4
82.5°	5.3
85°	3.1
87.5°	1.1
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)