

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: P759662

Luminaire Tested: LD6D08D010-EU6DR600210IC9035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P759662
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-60)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D08D010-EU6DR600210IC9035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 866.4 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 8.9
Input Voltage (V): NR
Input Current (Ain): 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

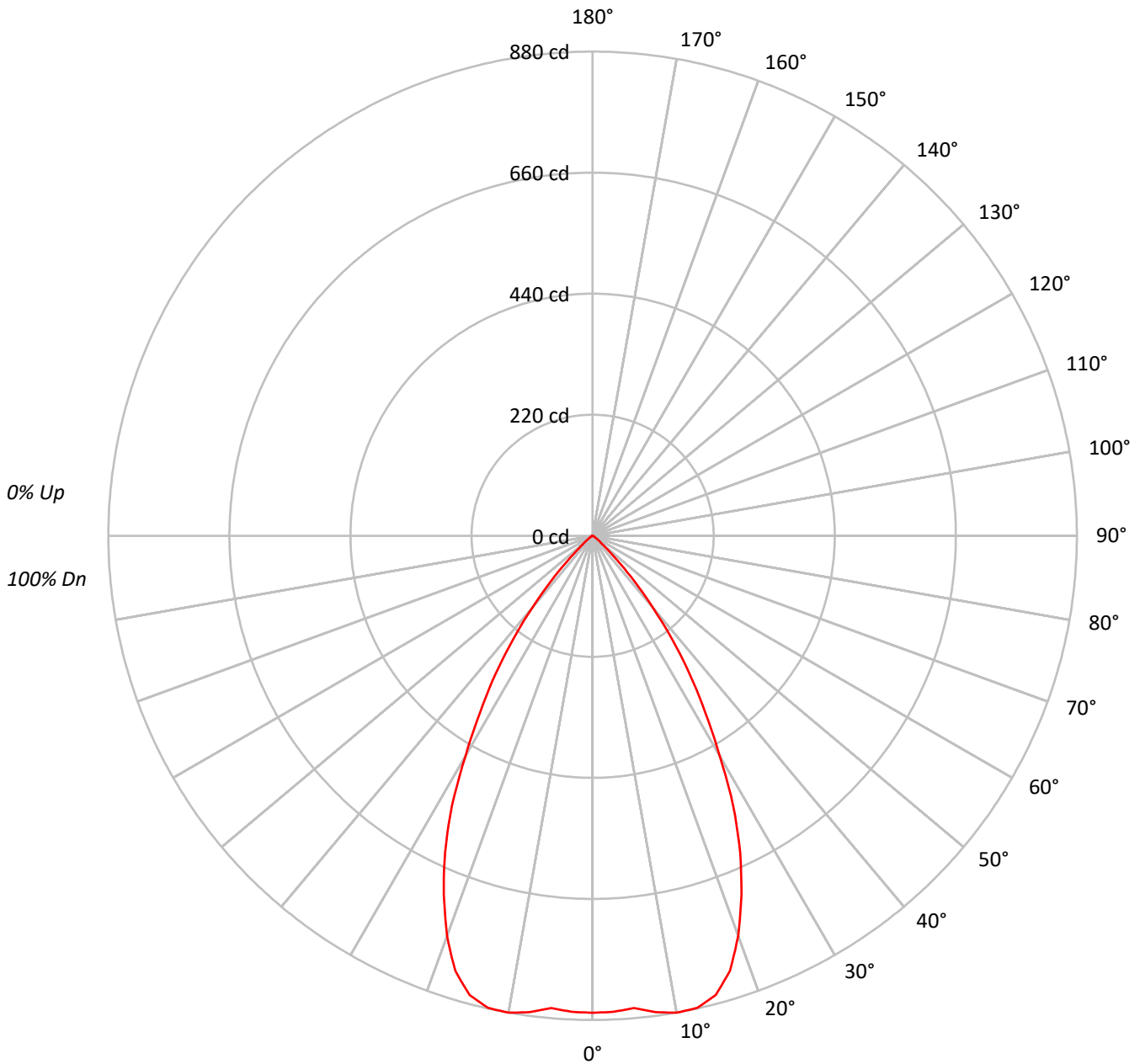


Downlight



TEST NUMBER: P759662
CATALOG NUMBER: LD6D08D010-EU6DR600210IC9035-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P759662

CATALOG NUMBER: LD6D08D010-EU6DR600210IC9035-6LBS1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					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	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	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94					94			
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87					87			
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81					81			
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75					75			
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70					70			
6	88	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65					65			
7	83	74	68	63	82	73	67	63	72	67	63	71	66	63	69	65	62	61					61			
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	61	58	57					57			
9	75	65	59	55	74	65	59	55	64	59	55	63	58	55	62	58	55	53					53			
10	72	62	56	52	71	61	56	52	61	55	52	60	55	52	59	55	52	50					50			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	94729
5°	94499
10°	97644
15°	97743
20°	89925
25°	76493
30°	58288
35°	41215
40°	24204
45°	9766
50°	3264
55°	1581
60°	656
65°	78
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9766 cd/sqm



TEST NUMBER: P759662

CATALOG NUMBER: LD6D08D010-EU6DR600210IC9035-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.1	9.6
10°-20°	239.4	27.6
20°-30°	286.5	33.1
30°-40°	191.6	22.1
40°-50°	56.8	6.6
50°-60°	8.2	0.9
60°-70°	0.8	0.1
70°-80°	0.0	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°	609.0	70.3
0°-40°	800.6	92.4
0°-60°	865.6	99.9
0°-90°	866.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	866.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	867	
5°	862	83
15°	864	239
25°	634	287
35°	309	192
45°	63	57
55°	8	8
65°	0	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P759662

CATALOG NUMBER: LD6D08D010-EU6DR600210IC9035-6LBS1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	867.0
2.5°	865.9
5°	861.6
7.5°	873.3
10°	880.1
12.5°	878.8
15°	864.1
17.5°	829.2
20°	773.4
22.5°	706.4
25°	634.5
27.5°	553.5
30°	462.0
32.5°	380.3
35°	309.0
37.5°	237.5
40°	169.7
42.5°	111.9
45°	63.2
47.5°	32.3
50°	19.2
52.5°	12.4
55°	8.3
57.5°	5.3
60°	3.0
62.5°	1.2
65°	0.3
67.5°	0.1
70°	0.0
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)