

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: P759840

Luminaire Tested: LD6D08D010-EU6DR700210IC9050-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P759840
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: LD6D08D010-EU6DR700210IC9050-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 841.2 lumens
Efficiency: N/A
Efficacy: 94.5 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): 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



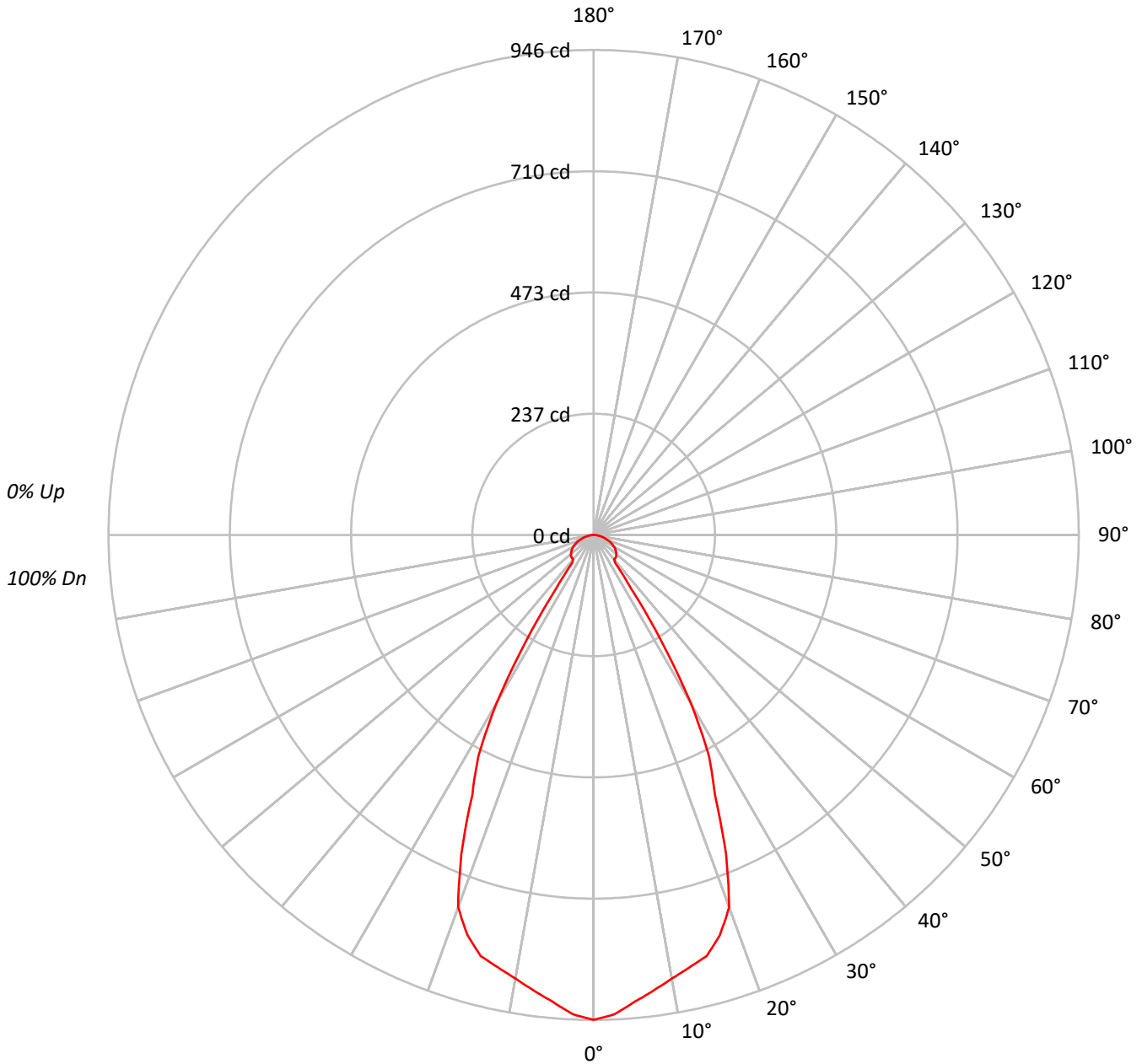
Downlight



TEST NUMBER: P759840

CATALOG NUMBER: LD6D08D010-EU6DR700210IC9050-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P759840

CATALOG NUMBER: LD6D08D010-EU6DR700210IC9050-6LBDP1H

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	88	79	73	69	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°	103350
5°	100279
10°	97477
15°	96204
20°	89832
25°	67487
30°	47702
35°	16900
40°	8886
45°	9457
50°	9791
55°	9982
60°	10052
65°	9824
70°	9264
75°	8570
80°	7613
85°	6143

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 10052 cd/sqm



TEST NUMBER: P759840

CATALOG NUMBER: LD6D08D010-EU6DR700210IC9050-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	10.3
10°-20°	236.5	28.1
20°-30°	260.5	31.0
30°-40°	99.5	11.8
40°-50°	47.0	5.6
50°-60°	46.7	5.6
60°-70°	37.4	4.4
70°-80°	21.5	2.6
80°-90°	5.8	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°	583.3	69.3
0°-40°	682.8	81.2
0°-60°	776.5	92.3
0°-90°	841.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	841.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	946	
5°	914	86
15°	850	237
25°	560	261
35°	127	100
45°	61	47
55°	52	47
65°	38	37
75°	20	21
85°	5	6
90°	0	



TEST NUMBER: P759840

CATALOG NUMBER: LD6D08D010-EU6DR700210IC9050-6LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	945.9
2.5°	936.0
5°	914.3
7.5°	896.2
10°	878.6
12.5°	863.8
15°	850.5
17.5°	818.3
20°	772.6
22.5°	674.1
25°	559.8
27.5°	487.3
30°	378.1
32.5°	244.2
35°	126.7
37.5°	68.5
40°	62.3
42.5°	61.9
45°	61.2
47.5°	59.9
50°	57.6
52.5°	55.1
55°	52.4
57.5°	49.4
60°	46.0
62.5°	42.1
65°	38.0
67.5°	33.5
70°	29.0
72.5°	24.6
75°	20.3
77.5°	16.0
80°	12.1
82.5°	8.5
85°	4.9
87.5°	1.9
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)