

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: P788736

Luminaire Tested: LER6D08D010-EC6DR700210IC9040-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P788736
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: LER6D08D010-EC6DR700210IC9040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1485.9 lumens
Efficiency: N/A
Efficacy: 167.0 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

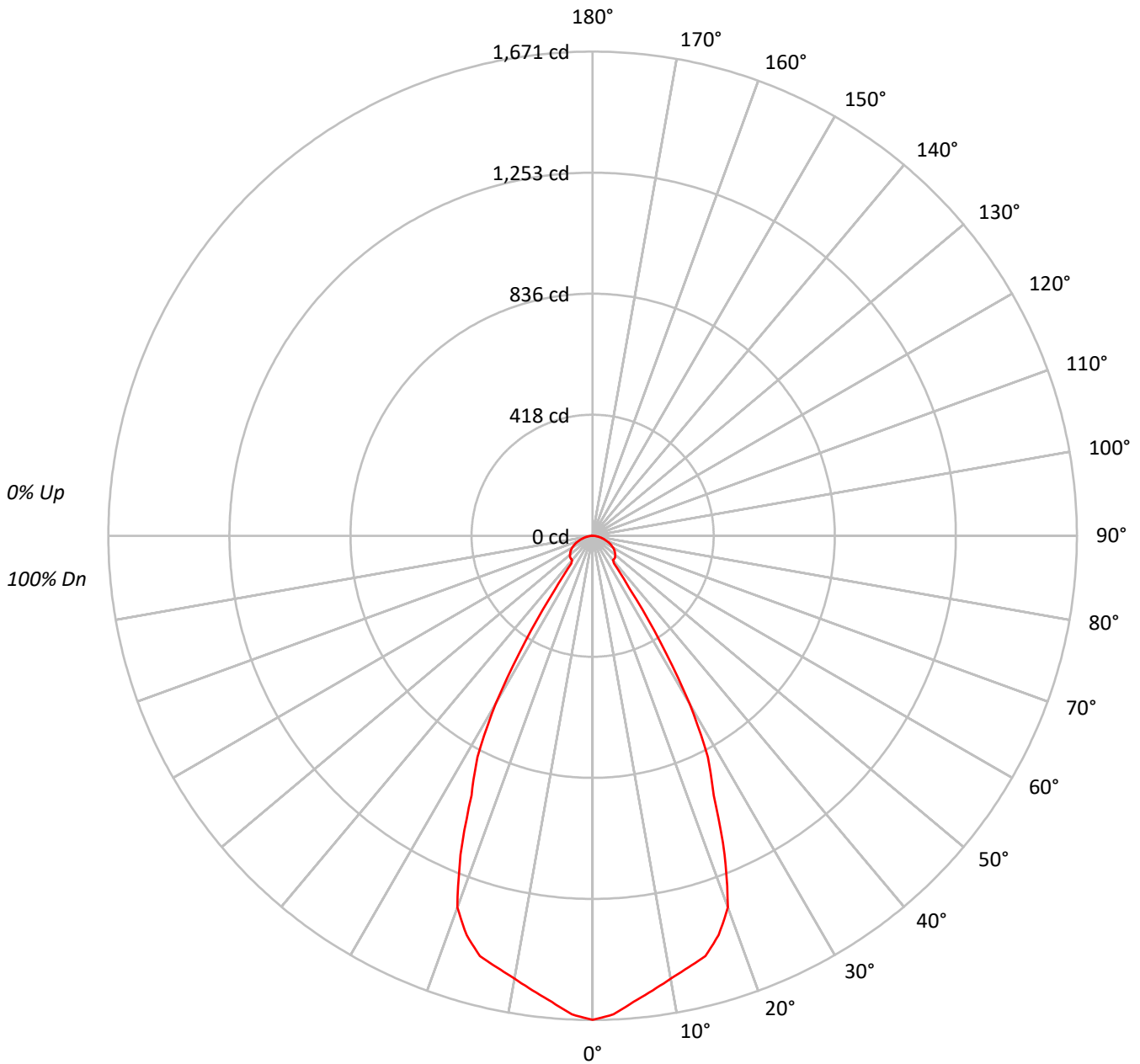


Downlight

TEST NUMBER: P788736

CATALOG NUMBER: LER6D08D010-EC6DR700210IC9040-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P788736

CATALOG NUMBER: LER6D08D010-EC6DR700210IC9040-6LBDP1H

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	87	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°	182531
5°	177108
10°	172166
15°	169910
20°	158666
25°	119194
30°	84265
35°	29851
40°	15689
45°	16719
50°	17304
55°	17639
60°	17744
65°	17373
70°	16388
75°	15197
80°	13465
85°	10907

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 17753 cd/sqm



TEST NUMBER: P788736

CATALOG NUMBER: LER6D08D010-EC6DR700210IC9040-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.3	10.3
10°-20°	417.8	28.1
20°-30°	460.1	31.0
30°-40°	175.8	11.8
40°-50°	83.0	5.6
50°-60°	82.5	5.6
60°-70°	66.1	4.4
70°-80°	38.0	2.6
80°-90°	10.3	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°	1030.2	69.3
0°-40°	1206.0	81.2
0°-60°	1371.5	92.3
0°-90°	1485.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1485.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1671	
5°	1615	152
15°	1502	418
25°	989	460
35°	224	176
45°	108	83
55°	93	83
65°	67	66
75°	36	38
85°	9	10
90°	0	



TEST NUMBER: P788736

CATALOG NUMBER: LER6D08D010-EC6DR700210IC9040-6LBDP1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	1670.6
2.5°	1653.1
5°	1614.8
7.5°	1582.8
10°	1551.8
12.5°	1525.6
15°	1502.1
17.5°	1445.2
20°	1364.6
22.5°	1190.5
25°	988.7
27.5°	860.7
30°	667.9
32.5°	431.4
35°	223.8
37.5°	120.9
40°	110.0
42.5°	109.2
45°	108.2
47.5°	105.8
50°	101.8
52.5°	97.3
55°	92.6
57.5°	87.3
60°	81.2
62.5°	74.3
65°	67.2
67.5°	59.2
70°	51.3
72.5°	43.4
75°	36.0
77.5°	28.3
80°	21.4
82.5°	15.1
85°	8.7
87.5°	3.4
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)