

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: P788695

Luminaire Tested: LER6D08D010-EC6DR650210IC9050-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P788695
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D08D010-EC6DR650210IC9050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 949.5 lumens
Efficiency: N/A
Efficacy: 106.7 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 (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

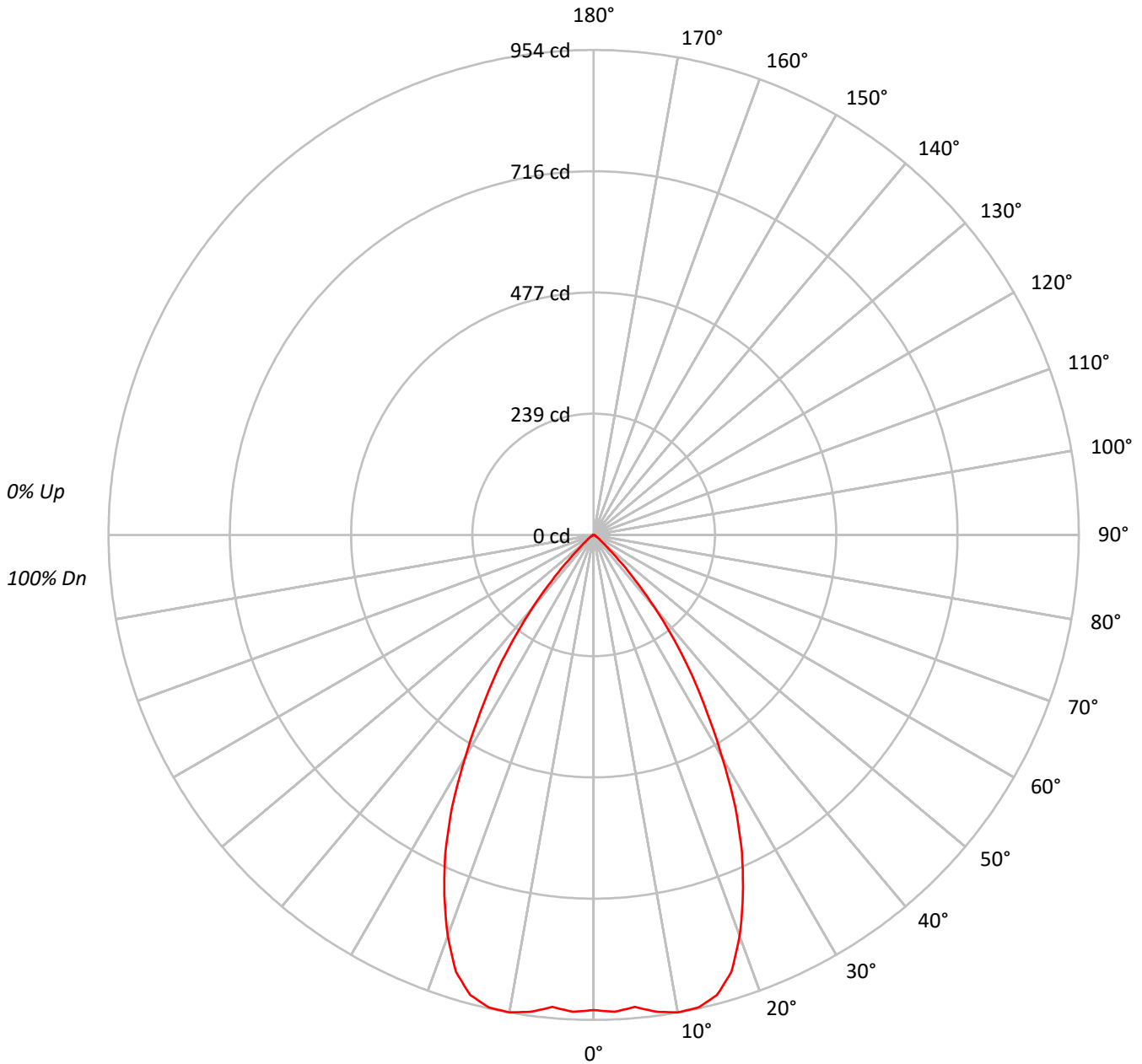


Downlight

TEST NUMBER: P788695

CATALOG NUMBER: LER6D08D010-EC6DR650210IC9050-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P788695

CATALOG NUMBER: LER6D08D010-EC6DR650210IC9050-6LBDP1B

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	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93																			
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87																			
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80																			
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69																			
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65																			
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60																			
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57																			
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53																			
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	102137
5°	102220
10°	105821
15°	106000
20°	97588
25°	83147
30°	63649
35°	44977
40°	26543
45°	10770
50°	3910
55°	2172
60°	1246
65°	698
70°	735
75°	549
80°	566
85°	501

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10770 cd/sqm



TEST NUMBER: P788695

CATALOG NUMBER: LER6D08D010-EC6DR650210IC9050-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.0	9.5
10°-20°	259.7	27.3
20°-30°	311.5	32.8
30°-40°	209.4	22.0
40°-50°	62.7	6.6
50°-60°	11.0	1.2
60°-70°	3.2	0.3
70°-80°	1.5	0.2
80°-90°	0.5	0.1
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°	661.2	69.6
0°-40°	870.6	91.7
0°-60°	944.3	99.5
0°-90°	949.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	949.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	935	
5°	932	90
15°	937	260
25°	690	312
35°	337	209
45°	70	63
55°	11	11
65°	3	3
75°	1	2
85°	0	1
90°	0	



TEST NUMBER: P788695

CATALOG NUMBER: LER6D08D010-EC6DR650210IC9050-6LBDP1B

CANDELA DISTRIBUTION (FULL):

0°	
0°	934.8
2.5°	938.8
5°	932.0
7.5°	946.1
10°	953.8
12.5°	952.0
15°	937.1
17.5°	900.7
20°	839.3
22.5°	767.1
25°	689.7
27.5°	602.5
30°	504.5
32.5°	415.8
35°	337.2
37.5°	259.4
40°	186.1
42.5°	121.6
45°	69.7
47.5°	36.9
50°	23.0
52.5°	15.9
55°	11.4
57.5°	8.2
60°	5.7
62.5°	3.7
65°	2.7
67.5°	2.4
70°	2.3
72.5°	1.7
75°	1.3
77.5°	1.2
80°	0.9
82.5°	0.7
85°	0.4
87.5°	0.3
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)