

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P788703

Luminaire Tested: LER6D08D010-EC6DR700210IC9024-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P788703
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-EC6DR700210IC9024-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 695.2 lumens
Efficiency: N/A
Efficacy: 78.1 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

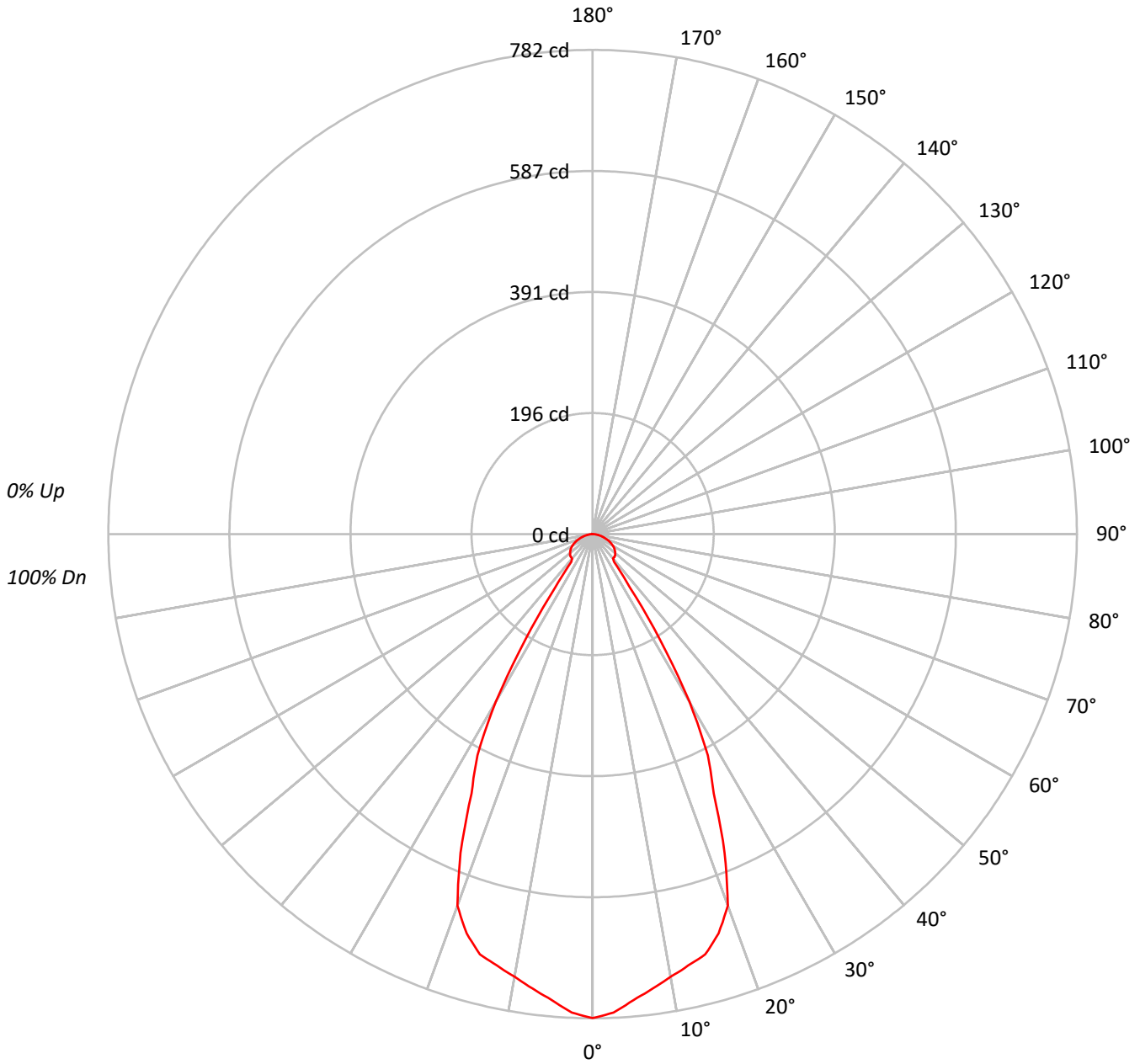
Input Watts (W): 8.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P788703
CATALOG NUMBER: LER6D08D010-EC6DR700210IC9024-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P788703

CATALOG NUMBER: LER6D08D010-EC6DR700210IC9024-6LBDP1B

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	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°	85409
5°	82862
10°	80558
15°	79497
20°	74240
25°	55769
30°	39426
35°	13965
40°	7345
45°	7819
50°	8091
55°	8248
60°	8304
65°	8118
70°	7667
75°	7092
80°	6292
85°	5140

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 60°
 Luminance: 8304 cd/sqm



TEST NUMBER: P788703

CATALOG NUMBER: LER6D08D010-EC6DR700210IC9024-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.3	10.3
10°-20°	195.5	28.1
20°-30°	215.3	31.0
30°-40°	82.3	11.8
40°-50°	38.8	5.6
50°-60°	38.6	5.6
60°-70°	30.9	4.4
70°-80°	17.7	2.6
80°-90°	4.8	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°	482.0	69.3
0°-40°	564.3	81.2
0°-60°	641.7	92.3
0°-90°	695.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	695.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	782	
5°	756	71
15°	703	195
25°	463	215
35°	105	82
45°	51	39
55°	43	39
65°	31	31
75°	17	18
85°	4	5
90°	0	



TEST NUMBER: P788703

CATALOG NUMBER: LER6D08D010-EC6DR700210IC9024-6LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	781.7
2.5°	773.5
5°	755.5
7.5°	740.6
10°	726.1
12.5°	713.8
15°	702.8
17.5°	676.2
20°	638.5
22.5°	557.0
25°	462.6
27.5°	402.7
30°	312.5
32.5°	201.8
35°	104.7
37.5°	56.6
40°	51.5
42.5°	51.1
45°	50.6
47.5°	49.5
50°	47.6
52.5°	45.5
55°	43.3
57.5°	40.8
60°	38.0
62.5°	34.8
65°	31.4
67.5°	27.7
70°	24.0
72.5°	20.3
75°	16.8
77.5°	13.2
80°	10.0
82.5°	7.1
85°	4.1
87.5°	1.6
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)