

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: P788647

Luminaire Tested: LER6D08D010-EC6DR600210IC9050-6LBDP1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P788647
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D08D010-EC6DR600210IC9050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1148.7 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

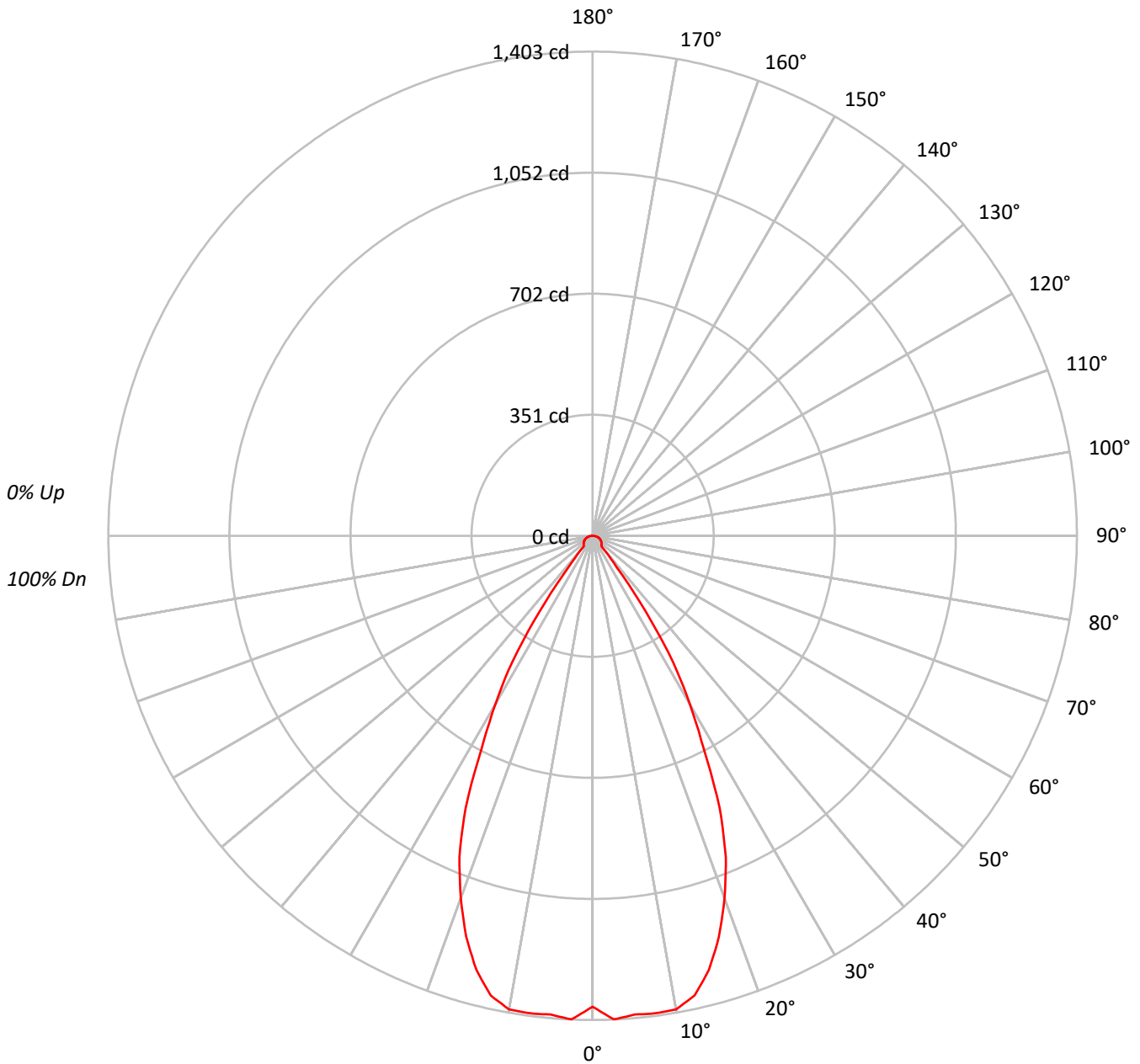
Input Watts (W): 8.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P788647
CATALOG NUMBER: LER6D08D010-EC6DR600210IC9050-6LBDP1B

Luminous Intensity Polar Plot





TEST NUMBER: P788647

CATALOG NUMBER: LER6D08D010-EC6DR600210IC9050-6LBDP1B

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	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	149064
5°	152738
10°	154581
15°	147253
20°	129830
25°	105016
30°	71030
35°	35600
40°	5777
45°	5655
50°	5762
55°	5848
60°	6009
65°	6153
70°	6293
75°	6374
80°	6166
85°	5140

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 6374 cd/sqm



TEST NUMBER: P788647

CATALOG NUMBER: LER6D08D010-EC6DR600210IC9050-6LBDP1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.1	11.6
10°-20°	360.1	31.3
20°-30°	387.4	33.7
30°-40°	168.4	14.7
40°-50°	28.3	2.5
50°-60°	27.5	2.4
60°-70°	23.5	2.0
70°-80°	15.7	1.4
80°-90°	4.7	0.4
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°	880.6	76.7
0°-40°	1049.0	91.3
0°-60°	1104.8	96.2
0°-90°	1148.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1148.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1364	
5°	1393	133
15°	1302	360
25°	871	387
35°	267	168
45°	37	28
55°	31	27
65°	24	24
75°	15	16
85°	4	5
90°	0	



TEST NUMBER: P788647

CATALOG NUMBER: LER6D08D010-EC6DR600210IC9050-6LBDP1B

CANDELA DISTRIBUTION (FULL):

	0°
0°	1364.3
2.5°	1402.7
5°	1392.6
7.5°	1395.7
10°	1393.3
12.5°	1364.5
15°	1301.8
17.5°	1217.7
20°	1116.6
22.5°	1008.5
25°	871.1
27.5°	696.7
30°	563.0
32.5°	433.9
35°	266.9
37.5°	114.2
40°	40.5
42.5°	37.3
45°	36.6
47.5°	35.3
50°	33.9
52.5°	32.3
55°	30.7
57.5°	29.1
60°	27.5
62.5°	25.7
65°	23.8
67.5°	21.8
70°	19.7
72.5°	17.4
75°	15.1
77.5°	12.4
80°	9.8
82.5°	6.9
85°	4.1
87.5°	1.4
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)