

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: P788617

Luminaire Tested: LER6D08D010-EC6DR600210IC9027-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P788617
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-EC6DR600210IC9027-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1383.7 lumens
Efficiency: N/A
Efficacy: 155.5 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

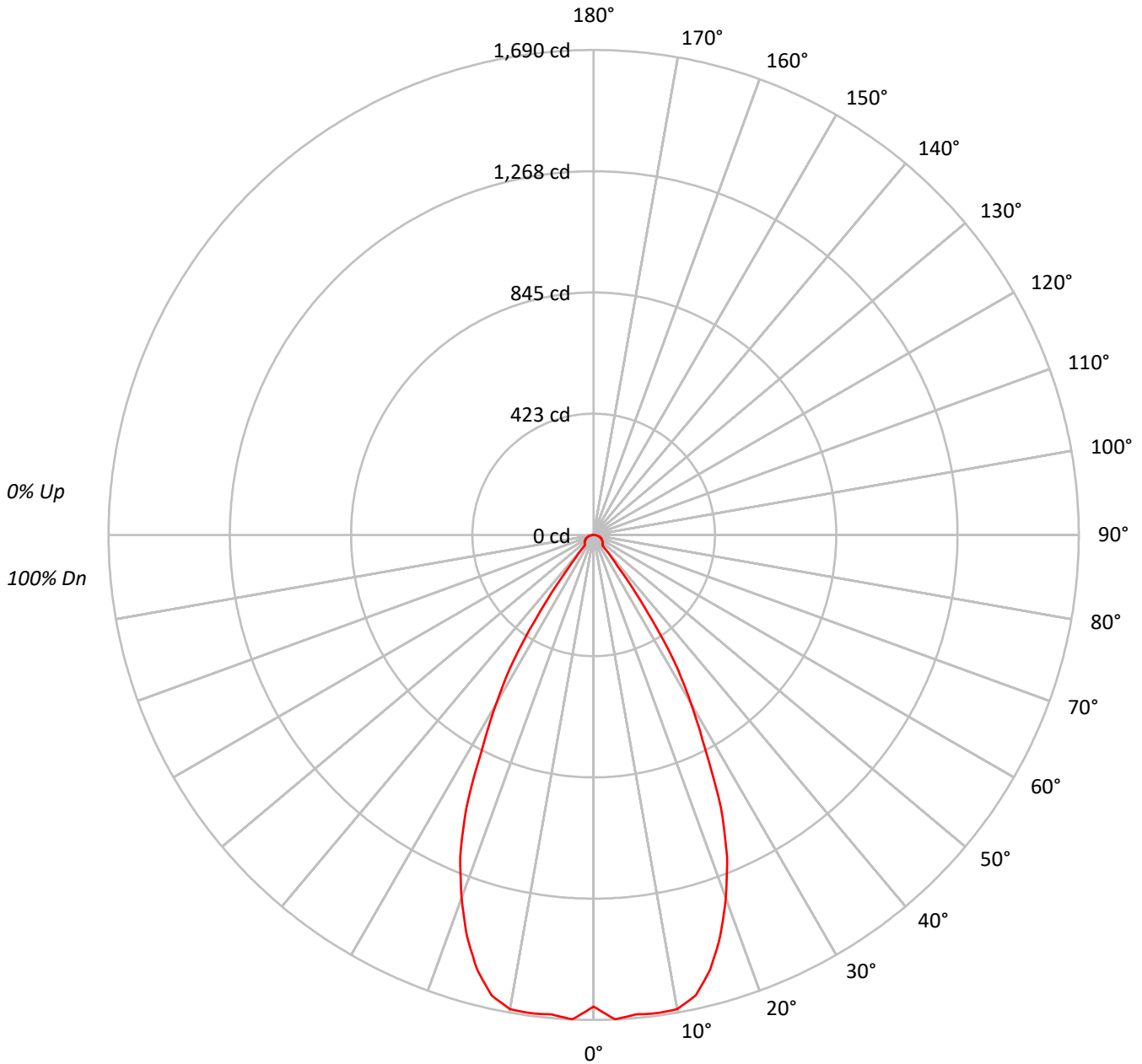
Input Watts (W): 8.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P788617
CATALOG NUMBER: LER6D08D010-EC6DR600210IC9027-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P788617

CATALOG NUMBER: LER6D08D010-EC6DR600210IC9027-6LBDP1LI

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			100																
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93			93																
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86			86																
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80			80																
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75			75																
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70			70																
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66			66																
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62			62																
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59			59																
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55			55																
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53			53																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	179559
5°	183974
10°	186190
15°	177376
20°	156387
25°	126487
30°	85564
35°	42869
40°	6960
45°	6814
50°	6935
55°	7048
60°	7233
65°	7420
70°	7571
75°	7683
80°	7425
85°	6143

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 7683 cd/sqm



TEST NUMBER: P788617

CATALOG NUMBER: LER6D08D010-EC6DR600210IC9027-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.3	11.6
10°-20°	433.7	31.3
20°-30°	466.7	33.7
30°-40°	202.8	14.7
40°-50°	34.1	2.5
50°-60°	33.1	2.4
60°-70°	28.3	2.0
70°-80°	19.0	1.4
80°-90°	5.7	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°	1060.7	76.7
0°-40°	1263.6	91.3
0°-60°	1330.8	96.2
0°-90°	1383.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1383.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1643	
5°	1677	160
15°	1568	434
25°	1049	467
35°	321	203
45°	44	34
55°	37	33
65°	29	28
75°	18	19
85°	5	6
90°	0	



TEST NUMBER: P788617

CATALOG NUMBER: LER6D08D010-EC6DR600210IC9027-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	1643.4
2.5°	1689.5
5°	1677.4
7.5°	1681.2
10°	1678.2
12.5°	1643.6
15°	1568.1
17.5°	1466.7
20°	1345.0
22.5°	1214.8
25°	1049.2
27.5°	839.2
30°	678.2
32.5°	522.7
35°	321.4
37.5°	137.5
40°	48.8
42.5°	44.9
45°	44.1
47.5°	42.6
50°	40.8
52.5°	38.9
55°	37.0
57.5°	35.1
60°	33.1
62.5°	31.0
65°	28.7
67.5°	26.3
70°	23.7
72.5°	21.0
75°	18.2
77.5°	15.0
80°	11.8
82.5°	8.3
85°	4.9
87.5°	1.7
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)