

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: P788640

Luminaire Tested: LER6D08D010-EC6DR600210IC9040-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P788640
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-EC6DR600210IC9040-6LBDP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1476.2 lumens
Efficiency: N/A
Efficacy: 165.9 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

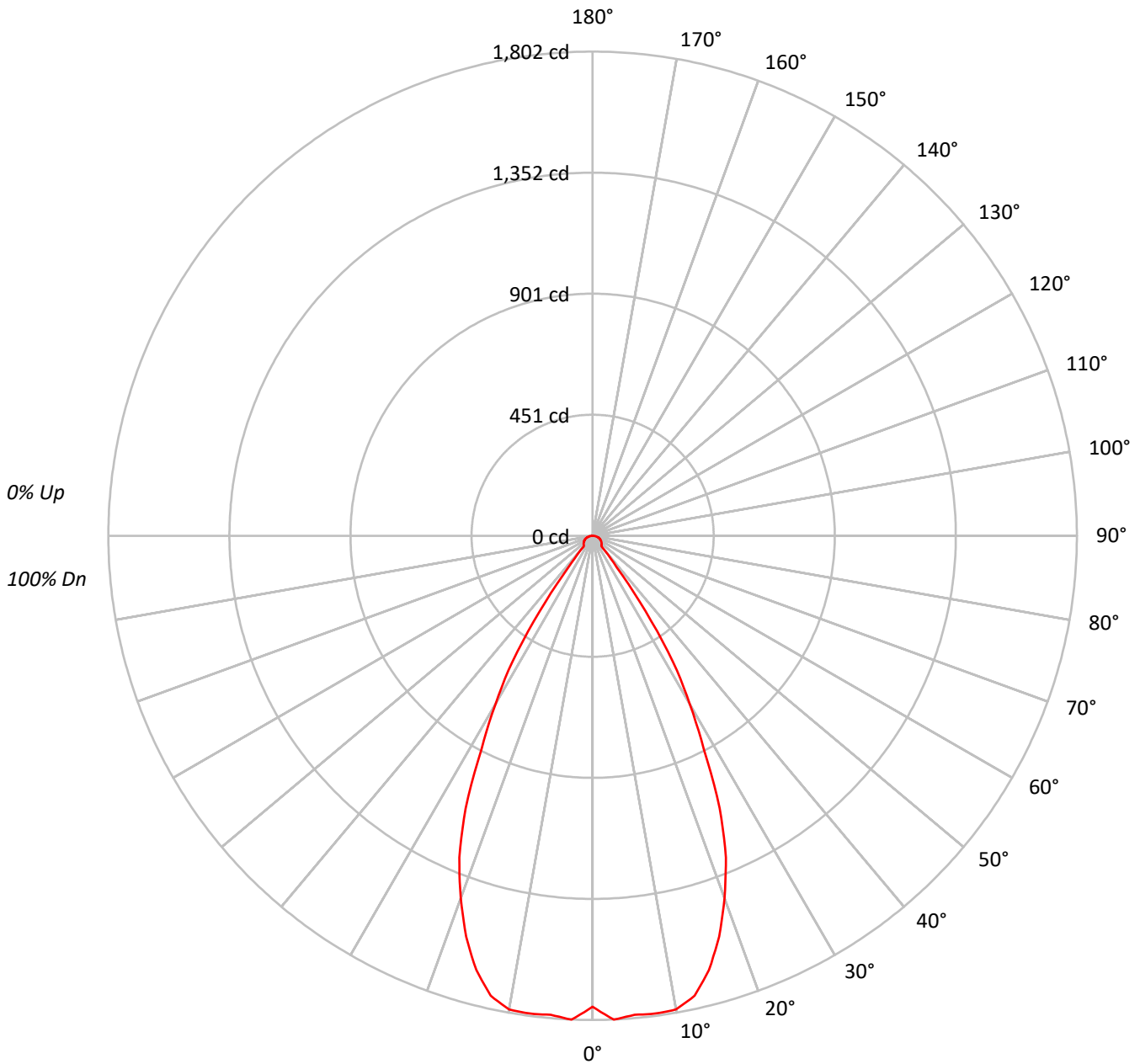


Downlight

TEST NUMBER: P788640

CATALOG NUMBER: LER6D08D010-EC6DR600210IC9040-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P788640

CATALOG NUMBER: LER6D08D010-EC6DR600210IC9040-6LBDP1H

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	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°	191556
5°	196269
10°	198638
15°	189230
20°	166840
25°	134950
30°	91279
35°	45737
40°	7417
45°	7262
50°	7411
55°	7524
60°	7736
65°	7911
70°	8082
75°	8190
80°	7865
85°	6519

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 8190 cd/sqm



TEST NUMBER: P788640

CATALOG NUMBER: LER6D08D010-EC6DR600210IC9040-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.0	11.6
10°-20°	462.7	31.3
20°-30°	497.9	33.7
30°-40°	216.4	14.7
40°-50°	36.3	2.5
50°-60°	35.3	2.4
60°-70°	30.2	2.0
70°-80°	20.2	1.4
80°-90°	6.0	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°	1131.6	76.7
0°-40°	1348.0	91.3
0°-60°	1419.7	96.2
0°-90°	1476.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1476.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1753	
5°	1790	171
15°	1673	463
25°	1119	498
35°	343	216
45°	47	36
55°	40	35
65°	31	30
75°	19	20
85°	5	6
90°	0	



TEST NUMBER: P788640

CATALOG NUMBER: LER6D08D010-EC6DR600210IC9040-6LBDP1H

CANDELA DISTRIBUTION (FULL):

	0°
0°	1753.2
2.5°	1802.5
5°	1789.5
7.5°	1793.6
10°	1790.4
12.5°	1753.4
15°	1672.9
17.5°	1564.7
20°	1434.9
22.5°	1296.0
25°	1119.4
27.5°	895.3
30°	723.5
32.5°	557.6
35°	342.9
37.5°	146.7
40°	52.0
42.5°	47.9
45°	47.0
47.5°	45.4
50°	43.6
52.5°	41.5
55°	39.5
57.5°	37.4
60°	35.4
62.5°	33.1
65°	30.6
67.5°	28.1
70°	25.3
72.5°	22.4
75°	19.4
77.5°	16.0
80°	12.5
82.5°	8.9
85°	5.2
87.5°	1.8
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)