

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: P794561

Luminaire Tested: LER6D60D010-EC6DR6555659030-6LBDP1LI

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P794561
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: LER6D60D010-EC6DR6555659030-6LB DP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6587.5 lumens
Efficiency: N/A
Efficacy: 102.3 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

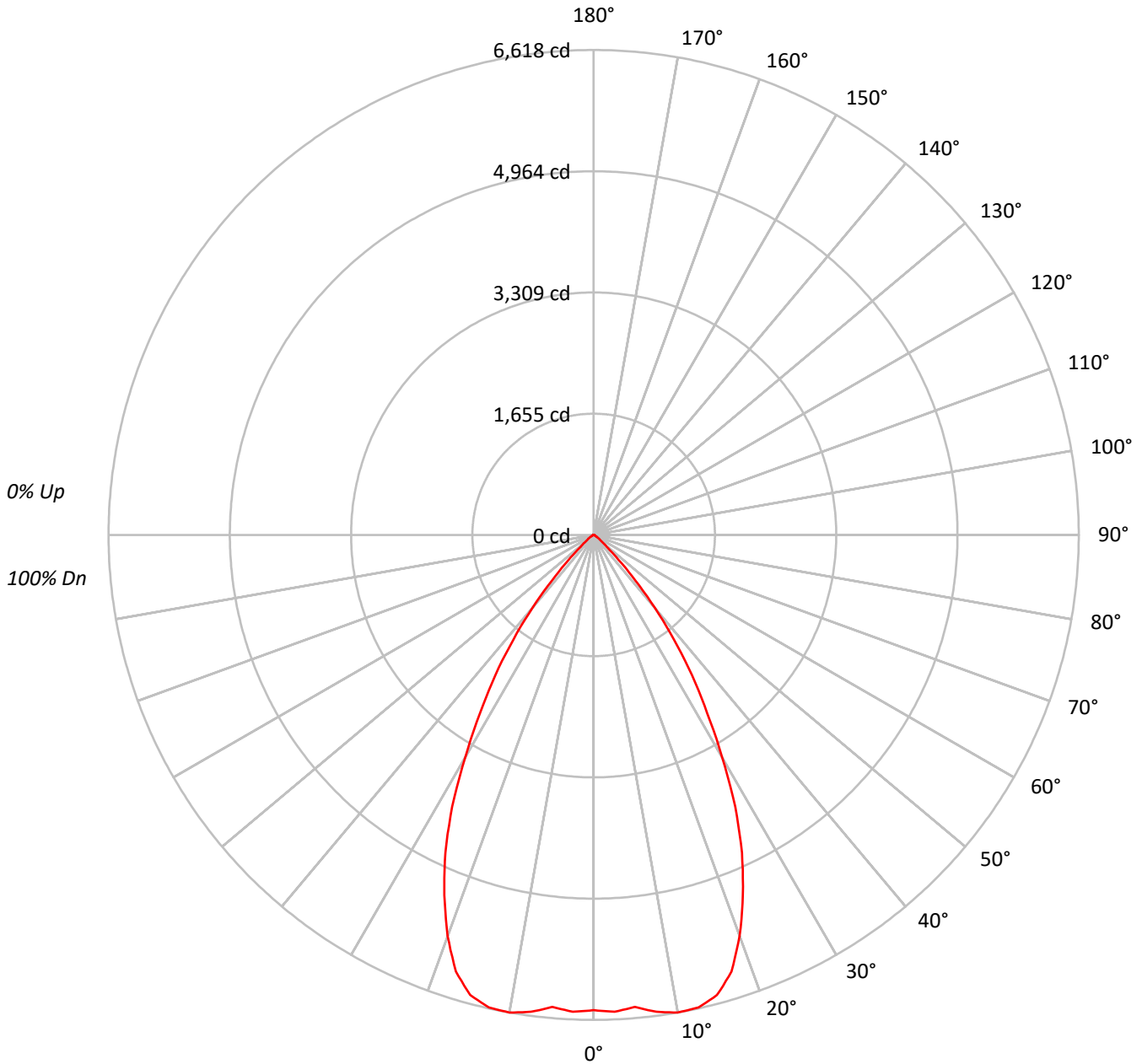
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P794561
CATALOG NUMBER: LER6D60D010-EC6DR6555659030-6LBDP1LI

Luminous Intensity Polar Plot





TEST NUMBER: P794561

CATALOG NUMBER: LER6D60D010-EC6DR6555659030-6LBDP1LI

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																			
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°	708654
5°	709234
10°	734209
15°	735418
20°	677080
25°	576908
30°	441635
35°	312009
40°	184178
45°	74771
50°	27112
55°	15106
60°	8653
65°	4757
70°	5015
75°	3884
80°	4090
85°	3510

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 74771 cd/sqm



TEST NUMBER: P794561

CATALOG NUMBER: LER6D60D010-EC6DR6555659030-6LBDP1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	624.5	9.5
10°-20°	1801.5	27.3
20°-30°	2161.5	32.8
30°-40°	1452.6	22.1
40°-50°	434.8	6.6
50°-60°	76.7	1.2
60°-70°	21.8	0.3
70°-80°	10.7	0.2
80°-90°	3.4	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°	4587.5	69.6
0°-40°	6040.0	91.7
0°-60°	6551.6	99.5
0°-90°	6587.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6587.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6486	
5°	6466	625
15°	6502	1801
25°	4785	2161
35°	2339	1453
45°	484	435
55°	79	77
65°	18	22
75°	9	11
85°	3	3
90°	0	



TEST NUMBER: P794561

CATALOG NUMBER: LER6D60D010-EC6DR6555659030-6LBDP1LI

CANDELA DISTRIBUTION (FULL):

0°	
0°	6485.9
2.5°	6513.5
5°	6466.5
7.5°	6564.2
10°	6617.7
12.5°	6604.8
15°	6501.5
17.5°	6249.0
20°	5823.2
22.5°	5321.8
25°	4785.4
27.5°	4179.8
30°	3500.5
32.5°	2884.9
35°	2339.2
37.5°	1800.0
40°	1291.3
42.5°	843.3
45°	483.9
47.5°	256.2
50°	159.5
52.5°	110.6
55°	79.3
57.5°	57.1
60°	39.6
62.5°	25.8
65°	18.4
67.5°	16.6
70°	15.7
72.5°	12.0
75°	9.2
77.5°	8.3
80°	6.5
82.5°	4.6
85°	2.8
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)