

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: P794520

Luminaire Tested: LER6D60D010-EC6DR6055659035-6LBDP1H

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P794520
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: LER6D60D010-EC6DR6055659035-6LB DP1H
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7255.8 lumens
Efficiency: N/A
Efficacy: 112.7 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

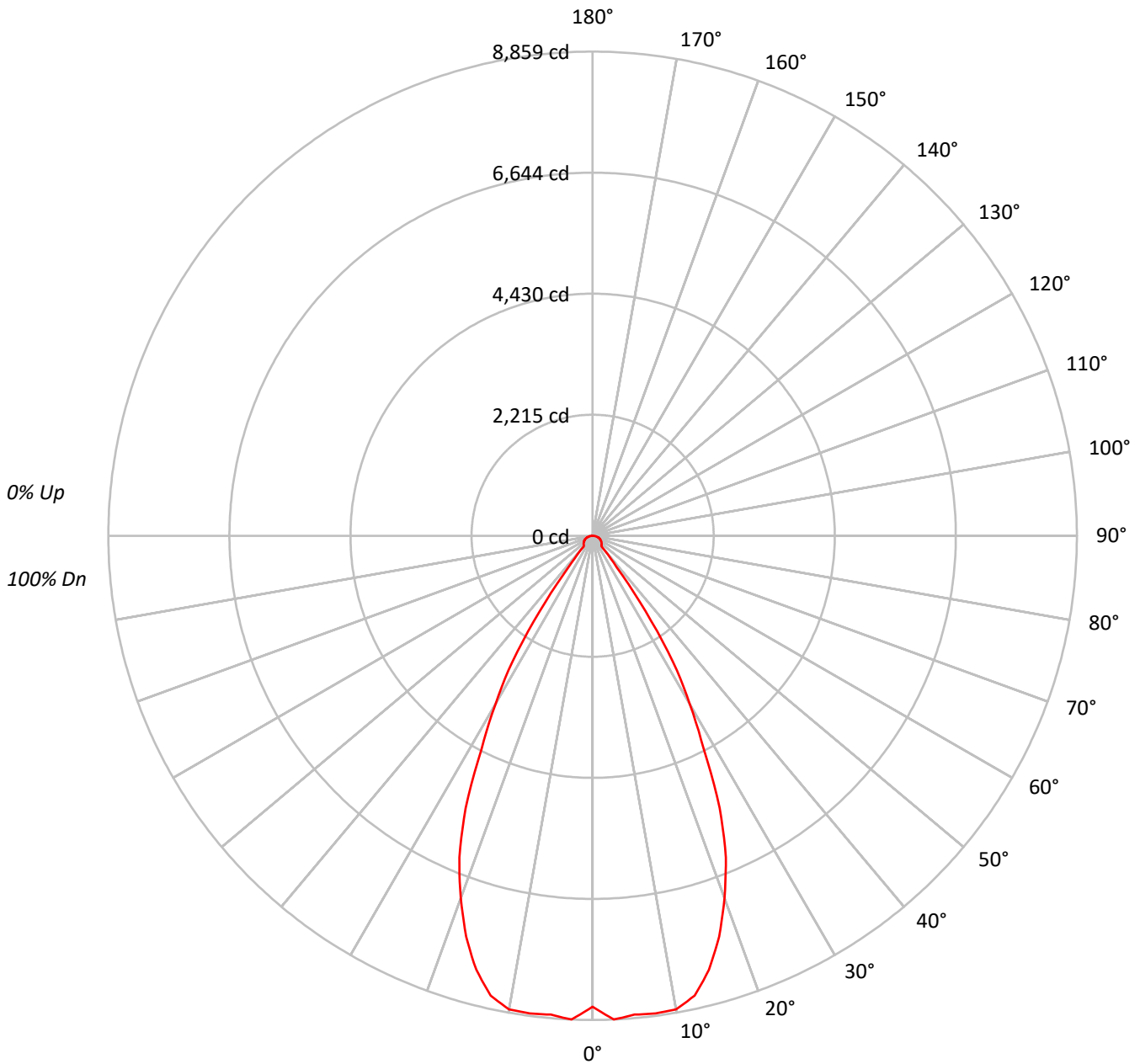
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

TEST NUMBER: P794520
CATALOG NUMBER: LER6D60D010-EC6DR6055659035-6LBDP1H

Luminous Intensity Polar Plot





TEST NUMBER: P794520

CATALOG NUMBER: LER6D60D010-EC6DR6055659035-6LBDP1H

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			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°	941522
5°	964674
10°	976327
15°	930077
20°	820049
25°	663274
30°	448650
35°	224817
40°	36470
45°	35694
50°	36410
55°	36955
60°	37979
65°	38858
70°	39772
75°	40231
80°	38822
85°	32344

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 75°
 Luminance: 40231 cd/sqm



TEST NUMBER: P794520

CATALOG NUMBER: LER6D60D010-EC6DR6055659035-6LBDP1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	840.6	11.6
10°-20°	2274.4	31.3
20°-30°	2447.0	33.7
30°-40°	1063.7	14.7
40°-50°	178.7	2.5
50°-60°	173.7	2.4
60°-70°	148.6	2.0
70°-80°	99.4	1.4
80°-90°	29.7	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°	5562.0	76.7
0°-40°	6625.7	91.3
0°-60°	6978.1	96.2
0°-90°	7255.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7255.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8617	
5°	8796	841
15°	8222	2274
25°	5502	2447
35°	1686	1064
45°	231	179
55°	194	174
65°	150	149
75°	95	99
85°	26	30
90°	0	



TEST NUMBER: P794520

CATALOG NUMBER: LER6D60D010-EC6DR6055659035-6LBDP1H

CANDELA DISTRIBUTION (FULL):

0°	
0°	8617.2
2.5°	8859.4
5°	8795.5
7.5°	8815.7
10°	8800.0
12.5°	8618.3
15°	8222.4
17.5°	7690.9
20°	7052.8
22.5°	6369.8
25°	5501.8
27.5°	4400.6
30°	3556.1
32.5°	2740.8
35°	1685.5
37.5°	721.1
40°	255.7
42.5°	235.5
45°	231.0
47.5°	223.2
50°	214.2
52.5°	204.1
55°	194.0
57.5°	183.9
60°	173.8
62.5°	162.6
65°	150.3
67.5°	137.9
70°	124.5
72.5°	109.9
75°	95.3
77.5°	78.5
80°	61.7
82.5°	43.7
85°	25.8
87.5°	9.0
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)