

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P794536

Luminaire Tested: LER6D60D010-EC6DR6055659050-6LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P794536  
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-EC6DR6055659050-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7649.3 lumens  
Efficiency: N/A  
Efficacy: 118.8 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

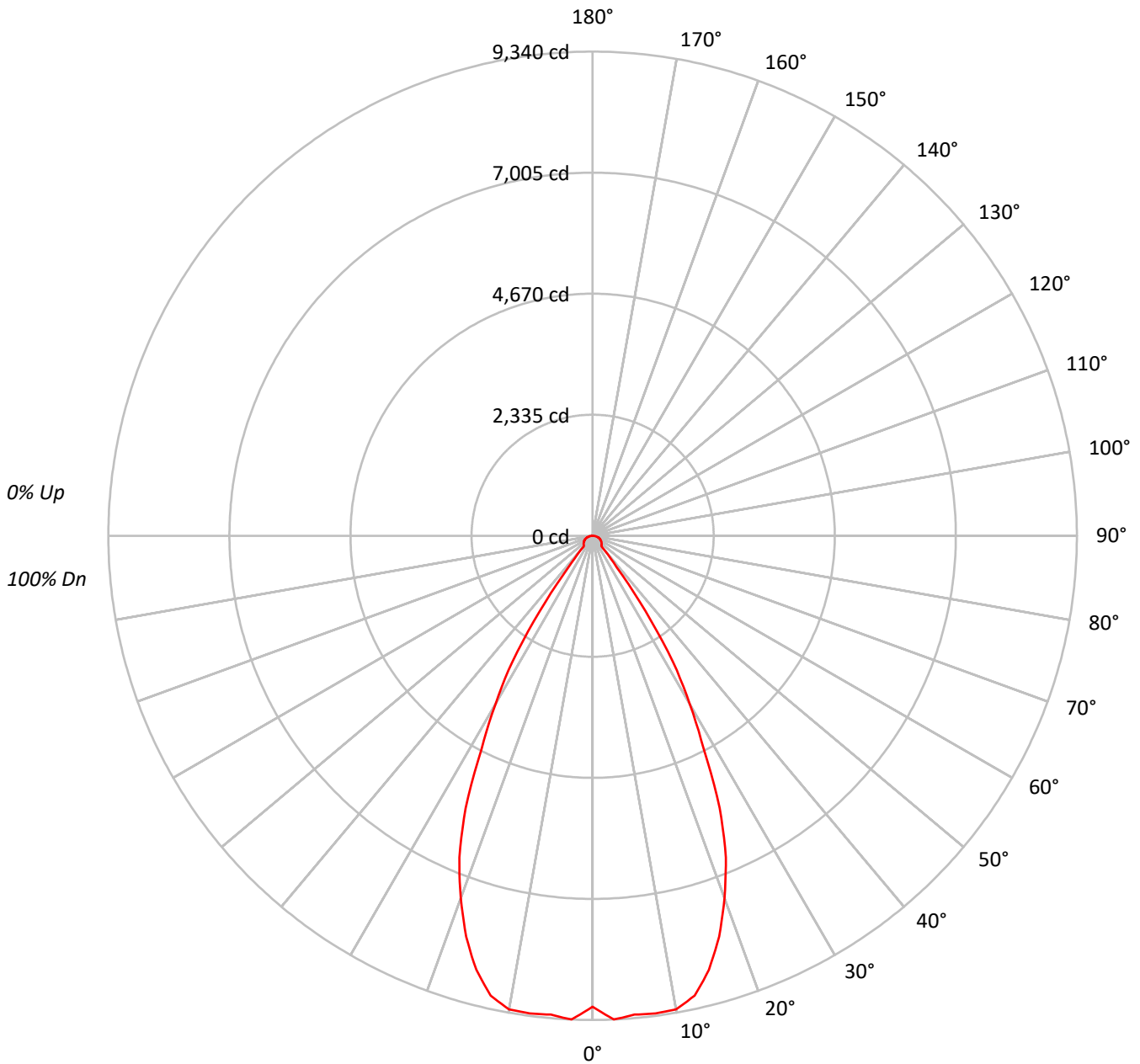
Input Watts (W): 64.4  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P794536  
CATALOG NUMBER: LER6D60D010-EC6DR6055659050-6LBDP1H

### Luminous Intensity Polar Plot





TEST NUMBER: P794536

CATALOG NUMBER: LER6D60D010-EC6DR6055659050-6LBDP1H

**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°	992579
5°	1016990
10°	1029271
15°	980515
20°	864512
25°	699248
30°	472987
35°	237008
40°	38453
45°	37625
50°	38381
55°	38955
60°	40055
65°	40952
70°	41913
75°	42426
80°	40898
85°	34099

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 42426 cd/sqm



TEST NUMBER: P794536

CATALOG NUMBER: LER6D60D010-EC6DR6055659050-6LBDP1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	886.2	11.6
10°-20°	2397.7	31.3
20°-30°	2579.7	33.7
30°-40°	1121.4	14.7
40°-50°	188.3	2.5
50°-60°	183.1	2.4
60°-70°	156.6	2.0
70°-80°	104.8	1.4
80°-90°	31.4	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°	5863.7	76.7
0°-40°	6985.0	91.3
0°-60°	7356.5	96.2
0°-90°	7649.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7649.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9084	
5°	9272	886
15°	8668	2398
25°	5800	2580
35°	1777	1121
45°	244	188
55°	204	183
65°	158	157
75°	100	105
85°	27	31
90°	0	



TEST NUMBER: P794536

CATALOG NUMBER: LER6D60D010-EC6DR6055659050-6LBDP1H

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	9084.5
2.5°	9339.9
5°	9272.5
7.5°	9293.8
10°	9277.2
12.5°	9085.7
15°	8668.3
17.5°	8107.9
20°	7435.2
22.5°	6715.2
25°	5800.2
27.5°	4639.2
30°	3749.0
32.5°	2889.4
35°	1776.9
37.5°	760.2
40°	269.6
42.5°	248.3
45°	243.5
47.5°	235.3
50°	225.8
52.5°	215.2
55°	204.5
57.5°	193.9
60°	183.3
62.5°	171.4
65°	158.4
67.5°	145.4
70°	131.2
72.5°	115.9
75°	100.5
77.5°	82.8
80°	65.0
82.5°	46.1
85°	27.2
87.5°	9.5
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)