

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: P793536

Luminaire Tested: LER6D50D010-EC6DR6040509024-6LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P793536  
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: LER6D50D010-EC6DR6040509024-6LB DP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4948.8 lumens  
Efficiency: N/A  
Efficacy: 105.3 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): 47  
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

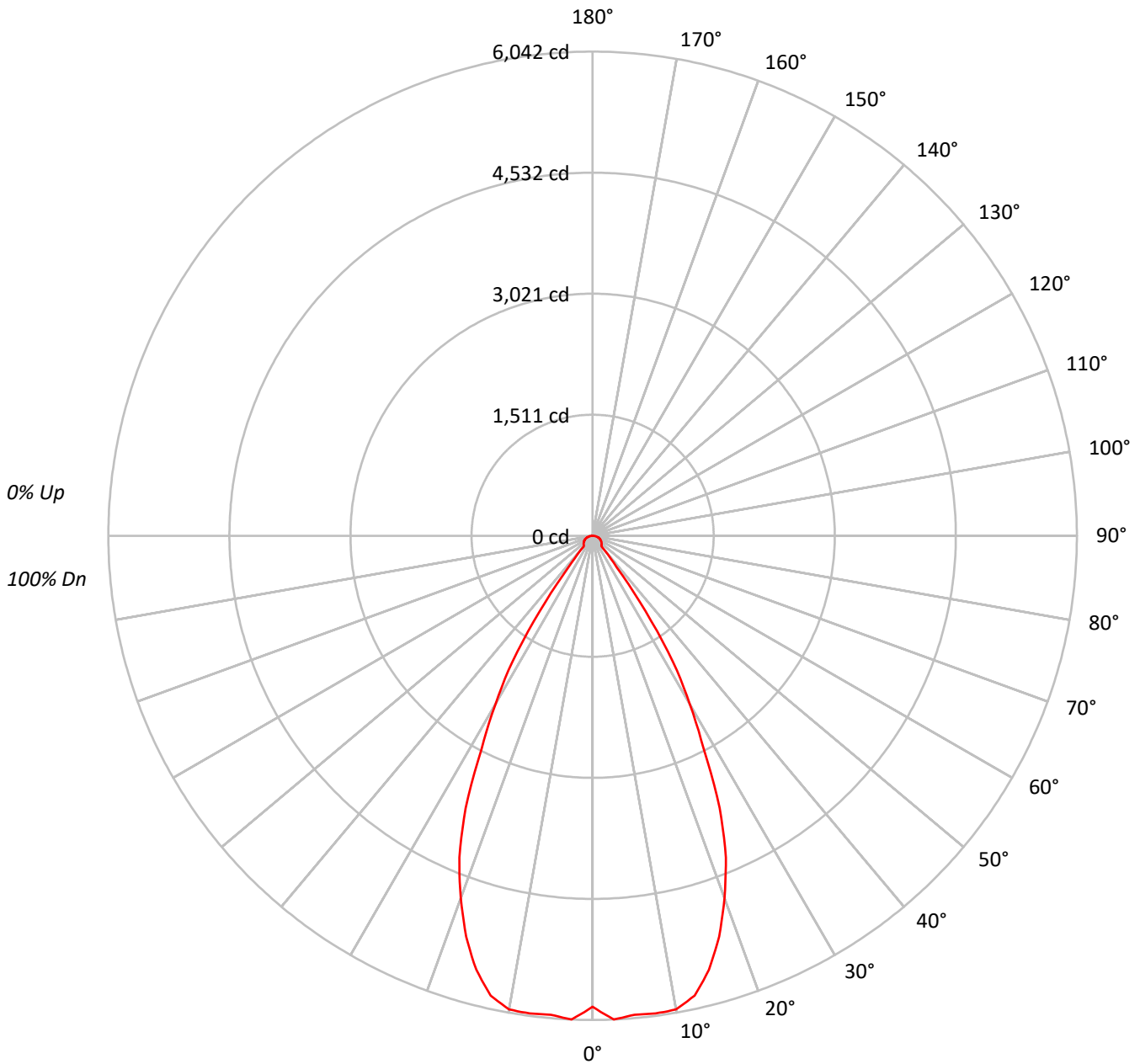


Downlight

TEST NUMBER: P793536

CATALOG NUMBER: LER6D50D010-EC6DR6040509024-6LBDP1H

### Luminous Intensity Polar Plot





TEST NUMBER: P793536

CATALOG NUMBER: LER6D50D010-EC6DR6040509024-6LBDP1H

**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°	642158
5°	657948
10°	665900
15°	634361
20°	559307
25°	452386
30°	305997
35°	153337
40°	24875
45°	24352
50°	24834
55°	25202
60°	25917
65°	26500
70°	27122
75°	27440
80°	26490
85°	22064

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 27440 cd/sqm



TEST NUMBER: P793536

CATALOG NUMBER: LER6D50D010-EC6DR6040509024-6LBDP1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	573.3	11.6
10°-20°	1551.2	31.3
20°-30°	1669.0	33.7
30°-40°	725.5	14.7
40°-50°	121.9	2.5
50°-60°	118.5	2.4
60°-70°	101.3	2.0
70°-80°	67.8	1.4
80°-90°	20.3	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°	3793.6	76.7
0°-40°	4519.0	91.3
0°-60°	4759.4	96.2
0°-90°	4948.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4948.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5877	
5°	5999	573
15°	5608	1551
25°	3752	1669
35°	1150	725
45°	158	122
55°	132	118
65°	102	101
75°	65	68
85°	18	20
90°	0	



TEST NUMBER: P793536

CATALOG NUMBER: LER6D50D010-EC6DR6040509024-6LBDP1H

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5877.3
2.5°	6042.5
5°	5998.9
7.5°	6012.7
10°	6002.0
12.5°	5878.1
15°	5608.1
17.5°	5245.5
20°	4810.3
22.5°	4344.5
25°	3752.5
27.5°	3001.4
30°	2425.4
32.5°	1869.4
35°	1149.6
37.5°	491.8
40°	174.4
42.5°	160.6
45°	157.6
47.5°	152.2
50°	146.1
52.5°	139.2
55°	132.3
57.5°	125.4
60°	118.6
62.5°	110.9
65°	102.5
67.5°	94.1
70°	84.9
72.5°	75.0
75°	65.0
77.5°	53.5
80°	42.1
82.5°	29.8
85°	17.6
87.5°	6.1
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)