

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: P791514

Luminaire Tested: LER6D30D010-EC6DR4520359050-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791514  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D30D010-EC6DR4520359050-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 45° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5779.9 lumens  
Efficiency: N/A  
Efficacy: 199.3 lumens/watt  
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 29  
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

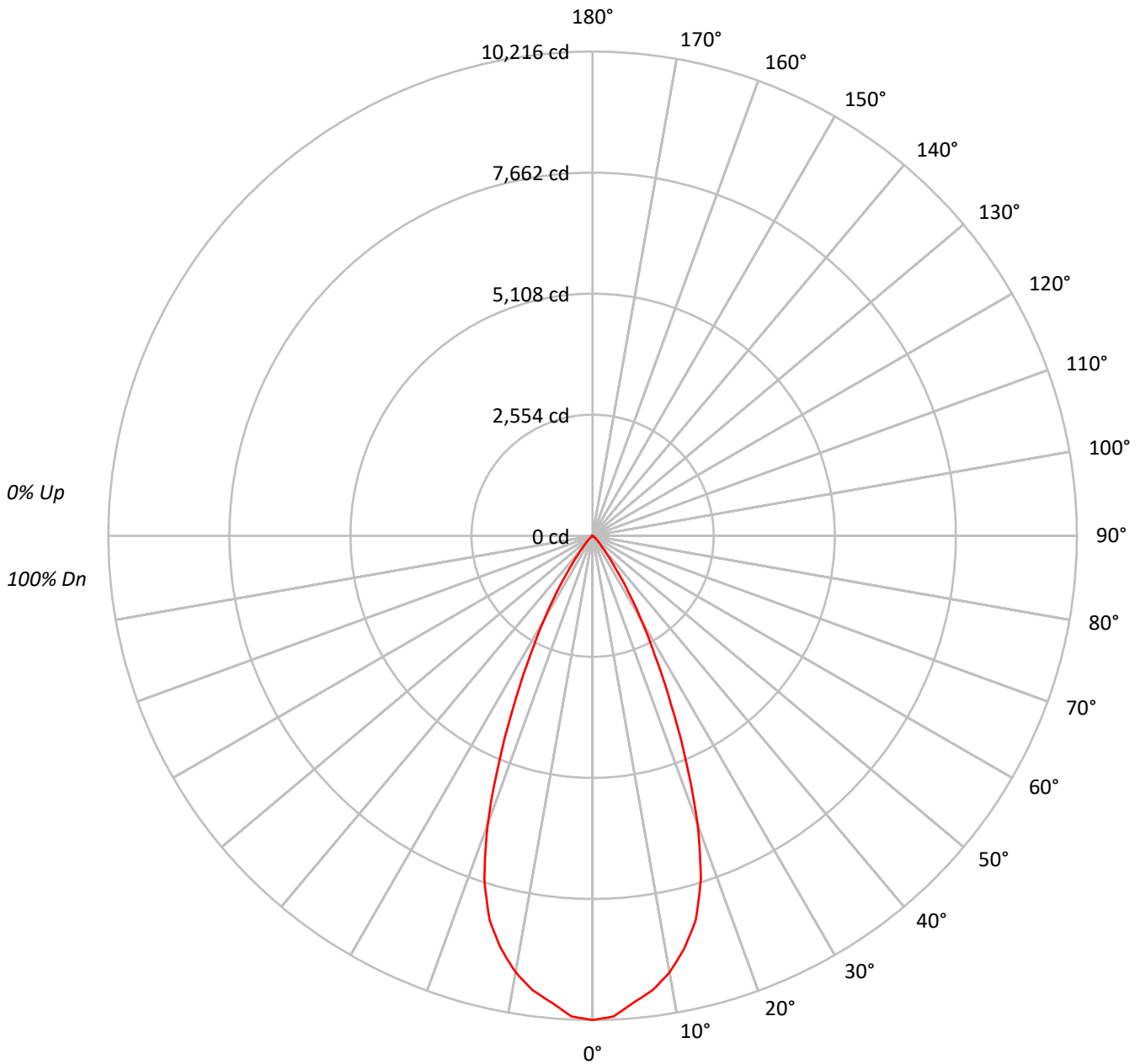


Downlight

TEST NUMBER: P791514

CATALOG NUMBER: LER6D30D010-EC6DR4520359050-6LBDP1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P791514

CATALOG NUMBER: LER6D30D010-EC6DR4520359050-6LBDP1MW

**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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95				95															
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90				90															
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85				85															
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81				81															
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77				77															
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73				73															
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69				69															
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66				66															
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63				63															
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60				60															

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1116230
5°	1084442
10°	1037525
15°	949544
20°	753320
25°	470313
30°	259215
35°	116390
40°	45841
45°	21602
50°	10250
55°	5353
60°	2644
65°	620
70°	256
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 21602 cd/sqm



TEST NUMBER: P791514

CATALOG NUMBER: LER6D30D010-EC6DR4520359050-6LBDP1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	929.0	16.1
10°-20°	2286.4	39.6
20°-30°	1810.6	31.3
30°-40°	603.0	10.4
40°-50°	119.7	2.1
50°-60°	27.2	0.5
60°-70°	3.9	0.1
70°-80°	0.1	0.0
80°-90°	0.0	0.0
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°	5026.1	87.0
0°-40°	5629.1	97.4
0°-60°	5775.9	99.9
0°-90°	5779.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5779.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	10216	
5°	9888	929
15°	8394	2286
25°	3901	1811
35°	873	603
45°	140	120
55°	28	27
65°	2	4
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P791514

CATALOG NUMBER: LER6D30D010-EC6DR4520359050-6LBDP1MW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	10216.2
2.5°	10149.5
5°	9887.5
7.5°	9671.4
10°	9351.6
12.5°	8925.7
15°	8394.5
17.5°	7595.8
20°	6478.9
22.5°	5148.3
25°	3901.2
27.5°	2856.6
30°	2054.6
32.5°	1397.4
35°	872.6
37.5°	517.5
40°	321.4
42.5°	211.3
45°	139.8
47.5°	90.0
50°	60.3
52.5°	40.2
55°	28.1
57.5°	18.5
60°	12.1
62.5°	6.4
65°	2.4
67.5°	0.8
70°	0.8
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)