

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: P790774

Luminaire Tested: LER6D25D010-EC6DR3020359030-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790774  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D25D010-EC6DR3020359030-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4835.7 lumens  
Efficiency: N/A  
Efficacy: 192.7 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

Input Watts (W): 25.1  
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

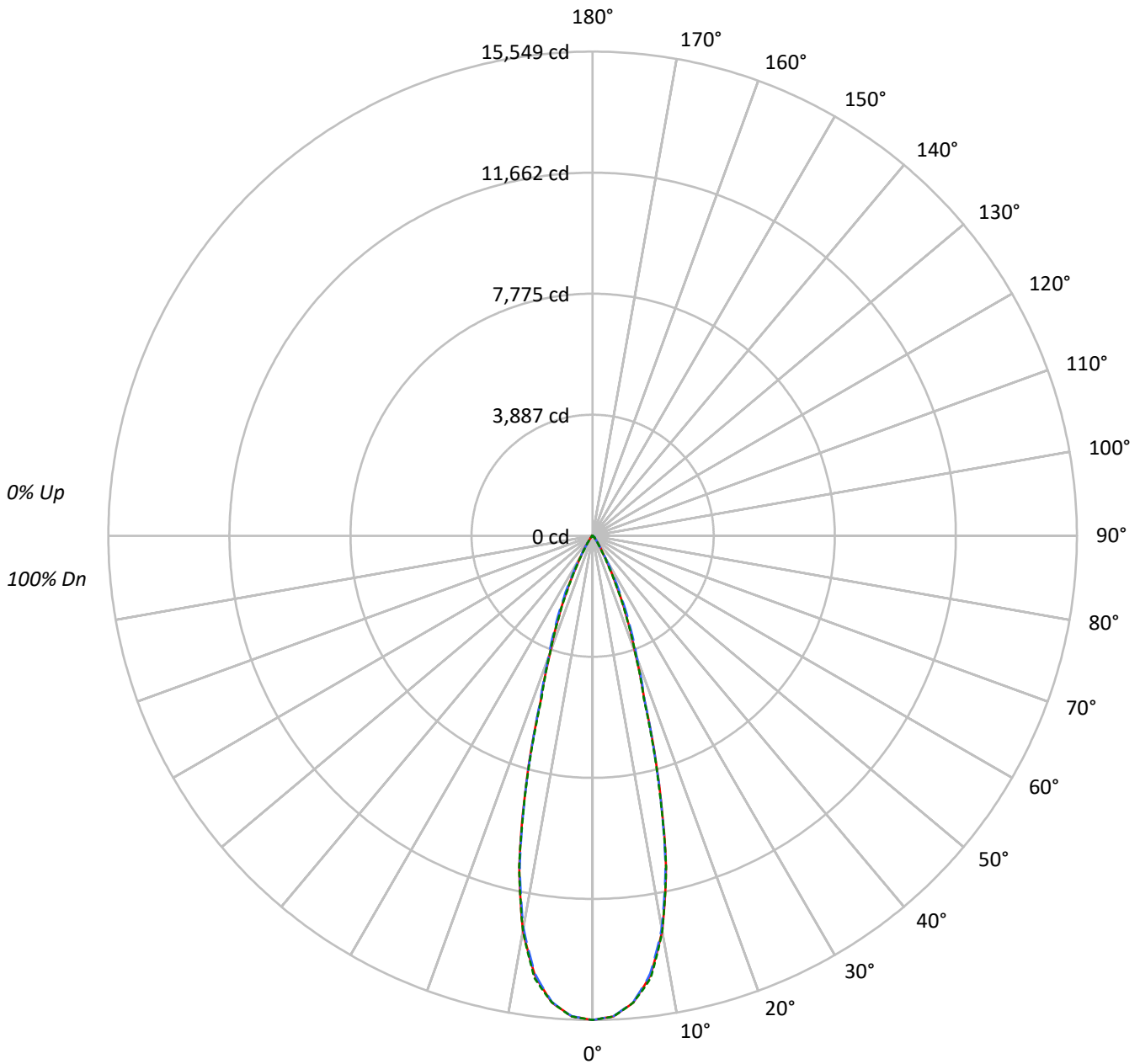


Downlight

TEST NUMBER: P790774

CATALOG NUMBER: LER6D25D010-EC6DR3020359030-6LBS1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P790774

CATALOG NUMBER: LER6D25D010-EC6DR3020359030-6LBS1MW

**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	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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

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

	0°	45°	90°
0°	1190173	1190173	1190173
5°	1156010	1154657	1156063
10°	1001274	994217	1001041
15°	653284	649773	646509
20°	324846	337031	324414
25°	163634	184529	160281
30°	65520	71388	57079
35°	30387	29107	24398
40°	13120	14568	12360
45°	9255	11485	9342
50°	3179	8359	3358
55°	1828	3470	1935
60°	1286	1516	1286
65°	833	833	833
70°	515	336	515
75°	0	237	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 11485 cd/sqm



TEST NUMBER: P790774

CATALOG NUMBER: LER6D25D010-EC6DR3020359030-6LBS1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1367.3	28.3
10°-20°	2202.0	45.5
20°-30°	951.6	19.7
30°-40°	216.9	4.5
40°-50°	74.5	1.5
50°-60°	18.2	0.4
60°-70°	4.7	0.1
70°-80°	0.5	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°	4520.9	93.5
0°-40°	4737.8	98.0
0°-60°	4830.5	99.9
0°-90°	4835.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4835.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	15549	15549	15549	15549	15549	
5°	15045	15031	15028	15059	15046	1368
15°	8244	8145	8200	8173	8158	2207
25°	1938	2011	2185	1960	1898	927
35°	325	332	312	309	261	221
45°	86	106	106	106	86	61
55°	14	14	26	15	14	13
65°	5	5	5	5	5	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P790774

CATALOG NUMBER: LER6D25D010-EC6DR3020359030-6LBS1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	15549.0	15549.0	15549.0	15549.0	15549.0
2.5°	15445.9	15435.2	15441.4	15449.0	15452.0
5°	15045.2	15030.6	15027.6	15058.9	15045.9
7.5°	14236.7	14216.1	14184.8	14255.8	14322.2
10°	12882.4	12859.5	12791.6	12825.2	12879.4
12.5°	10883.1	10809.0	10807.5	10914.4	10899.9
15°	8244.0	8144.7	8199.7	8173.0	8158.5
17.5°	5543.8	5505.7	5579.0	5556.8	5461.4
20°	3988.0	3997.9	4137.6	4067.4	3982.7
22.5°	2910.1	2946.0	3111.6	2930.7	2864.3
25°	1937.5	2010.8	2184.9	1959.7	1897.8
27.5°	1191.7	1225.3	1401.6	1176.4	1142.8
30°	741.3	724.5	807.7	693.2	645.8
32.5°	486.3	464.9	491.6	441.2	403.1
35°	325.2	332.1	311.5	309.2	261.1
37.5°	203.1	233.6	206.1	219.9	167.9
40°	131.3	169.5	145.8	161.1	123.7
42.5°	107.6	130.5	119.9	127.5	109.9
45°	85.5	106.1	106.1	106.1	86.3
47.5°	47.3	71.0	90.8	72.5	50.4
50°	26.7	35.9	70.2	37.4	28.2
52.5°	18.3	20.6	48.1	21.4	19.1
55°	13.7	14.5	26.0	15.3	14.5
57.5°	10.7	11.5	13.7	11.5	10.7
60°	8.4	8.4	9.9	9.2	8.4
62.5°	6.1	6.1	6.9	6.1	6.1
65°	4.6	4.6	4.6	4.6	4.6
67.5°	2.3	3.1	3.1	3.1	3.1
70°	2.3	1.5	1.5	1.5	2.3
72.5°	1.5	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.8	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	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







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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)