

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: P790650

Luminaire Tested: LER6D25D010-EC6DR1515309050-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790650  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D25D010-EC6DR1515309050-6LBDDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2973.6 lumens  
Efficiency: N/A  
Efficacy: 118.5 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23  
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')  
CIE Type: Direct

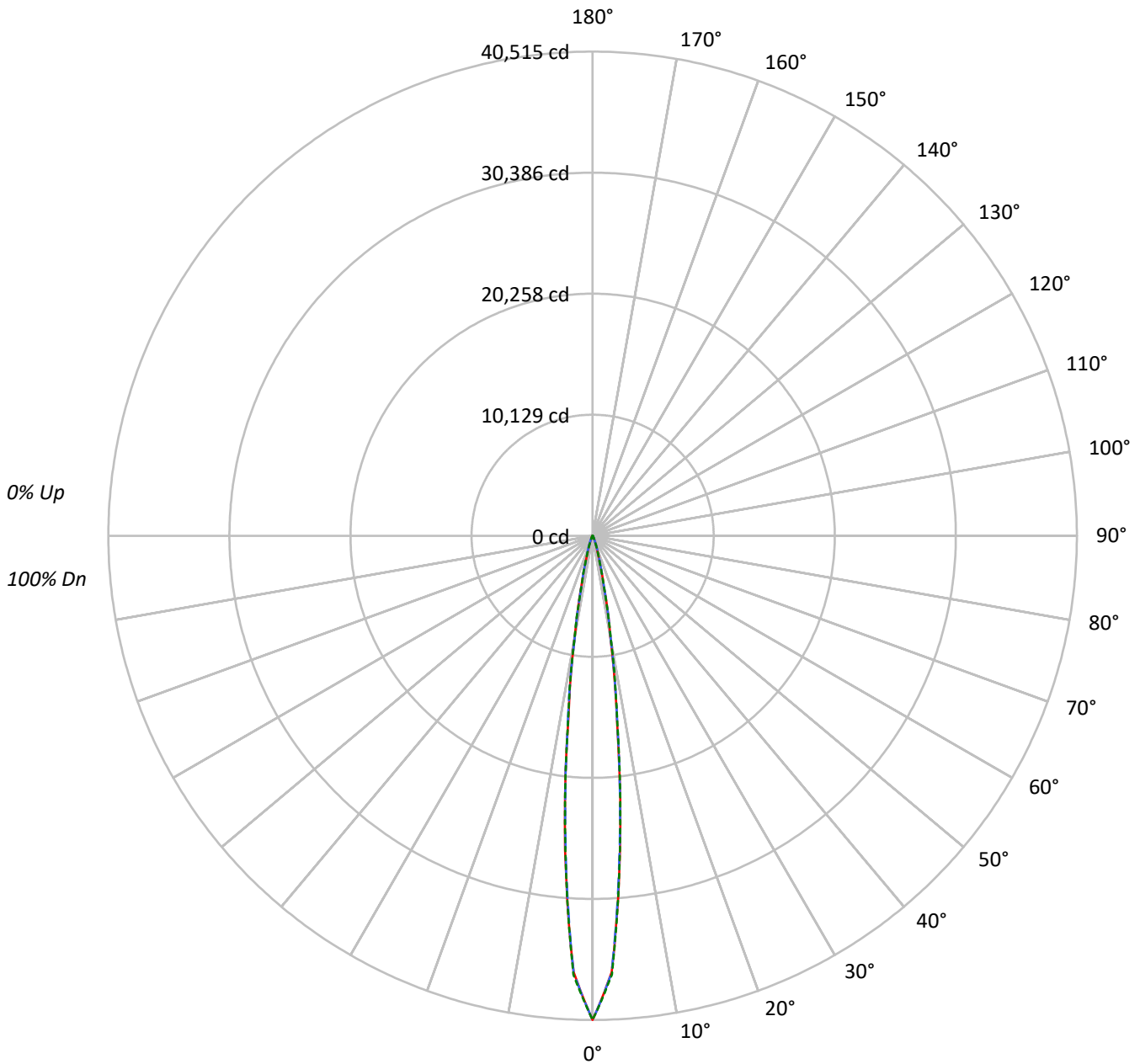
Input Watts (W): 25.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P790650  
CATALOG NUMBER: LER6D25D010-EC6DR1515309050-6LBDP1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P790650

CATALOG NUMBER: LER6D25D010-EC6DR1515309050-6LBDP1MW

**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																			
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

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

	0°	45°	90°
0°	4558768	4558768	4558768
5°	2678948	2644262	2665177
10°	799543	805142	817468
15°	198876	202750	196496
20°	59502	68903	60770
25°	20979	26720	21244
30°	7705	10146	7833
35°	3863	4357	3740
40°	2436	2677	2436
45°	1799	1918	1799
50°	1432	1432	1432
55°	1197	1197	1197
60°	962	962	962
65°	735	735	735
70°	629	629	629
75°	385	385	522
80°	268	268	268
85°	141	141	141

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1918 cd/sqm



TEST NUMBER: P790650

CATALOG NUMBER: LER6D25D010-EC6DR1515309050-6LBDP1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1928.6	64.9
10°-20°	793.3	26.7
20°-30°	157.6	5.3
30°-40°	39.3	1.3
40°-50°	20.7	0.7
50°-60°	15.3	0.5
60°-70°	10.8	0.4
70°-80°	6.2	0.2
80°-90°	1.8	0.1
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°	2879.5	96.8
0°-40°	2918.8	98.2
0°-60°	2954.8	99.4
0°-90°	2973.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2973.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	40515	40515	40515	40515	40515	
5°	26360	26089	26019	26199	26225	1925
15°	2290	2333	2334	2293	2262	785
25°	269	305	343	304	273	141
35°	53	57	60	57	52	36
45°	26	26	27	26	26	20
55°	17	17	17	17	17	15
65°	10	10	10	10	10	11
75°	5	5	5	5	7	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



TEST NUMBER: P790650

CATALOG NUMBER: LER6D25D010-EC6DR1515309050-6LBDP1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	40515.2	40515.2	40515.2	40515.2	40515.2
2.5°	36546.3	36577.2	36589.2	36625.2	36759.0
5°	26360.1	26089.1	26018.8	26198.9	26224.6
7.5°	15614.7	15669.6	15870.2	15914.8	15753.6
10°	8568.9	8639.2	8628.9	8690.6	8761.0
12.5°	4382.2	4327.3	4310.2	4380.5	4282.7
15°	2289.7	2332.6	2334.3	2293.2	2262.3
17.5°	1231.5	1281.2	1363.5	1296.7	1193.7
20°	727.2	771.8	842.1	787.3	742.7
22.5°	449.4	485.4	535.1	492.2	456.2
25°	269.3	305.3	343.0	303.6	272.7
27.5°	159.5	190.4	214.4	188.7	157.8
30°	102.9	120.1	135.5	118.3	104.6
32.5°	72.0	78.9	85.8	78.9	72.0
35°	53.2	56.6	60.0	56.6	51.5
37.5°	41.2	44.6	46.3	42.9	39.4
40°	34.3	36.0	37.7	36.0	34.3
42.5°	29.2	30.9	30.9	30.9	29.2
45°	25.7	25.7	27.4	25.7	25.7
47.5°	22.3	22.3	24.0	22.3	22.3
50°	20.6	20.6	20.6	20.6	20.6
52.5°	18.9	18.9	18.9	18.9	18.9
55°	17.2	17.2	17.2	17.2	17.2
57.5°	15.4	15.4	15.4	15.4	15.4
60°	13.7	13.7	13.7	13.7	13.7
62.5°	12.0	12.0	12.0	12.0	12.0
65°	10.3	10.3	10.3	10.3	10.3
67.5°	10.3	10.3	10.3	10.3	10.3
70°	8.6	8.6	8.6	8.6	8.6
72.5°	6.9	6.9	6.9	6.9	6.9
75°	5.1	5.1	5.1	5.1	6.9
77.5°	5.1	5.1	5.1	5.1	5.1
80°	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	3.4	3.4
85°	1.7	1.7	1.7	1.7	1.7
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)