

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: P790504

Luminaire Tested: LER6D20D010-EC6DR6020359050-6LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790504  
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: LER6D20D010-EC6DR6020359050-6LBDP1H  
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: 3598.4 lumens  
Efficiency: N/A  
Efficacy: 155.8 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

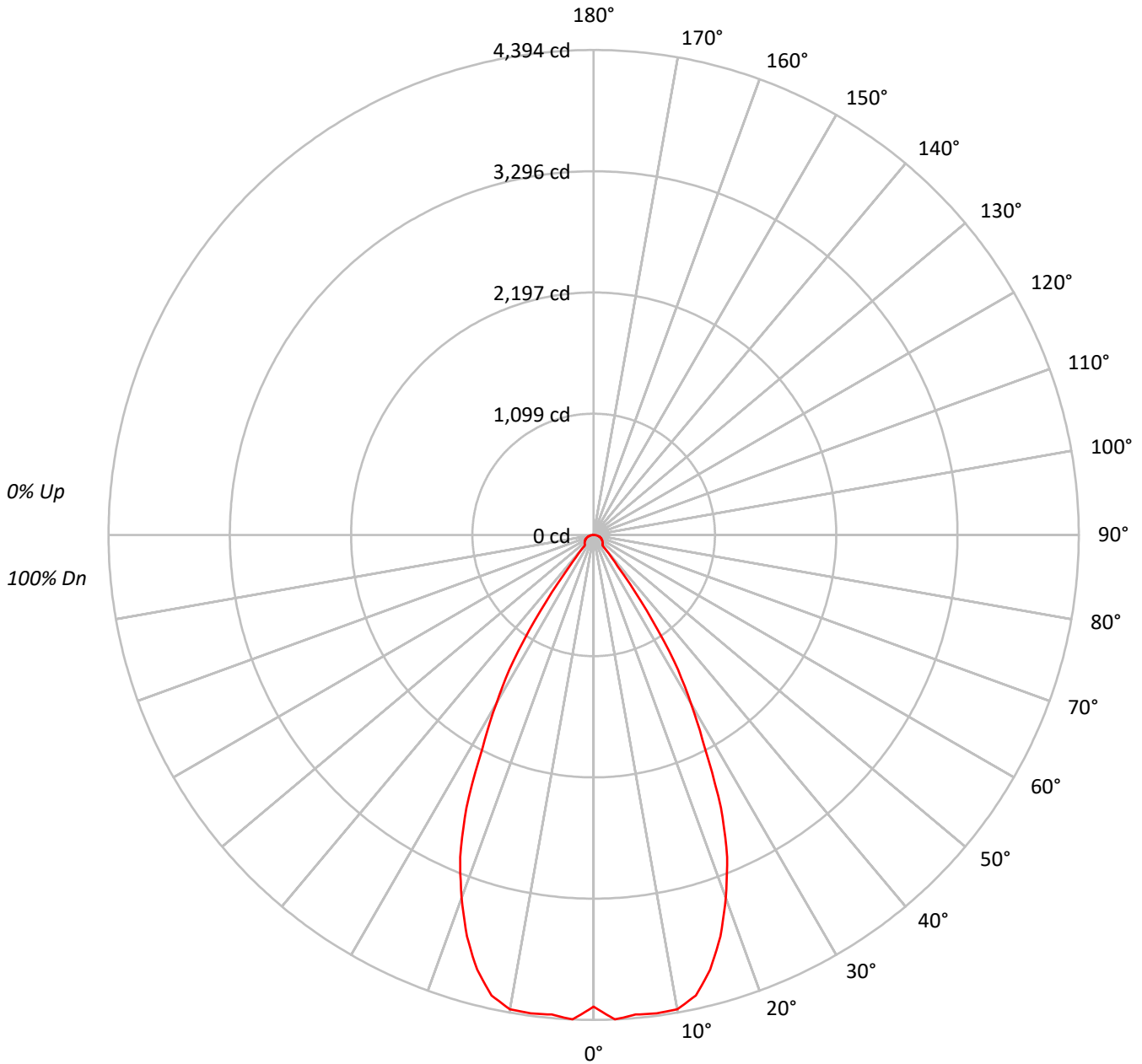
Input Watts (W): 23.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P790504  
CATALOG NUMBER: LER6D20D010-EC6DR6020359050-6LBDP1H

### Luminous Intensity Polar Plot





TEST NUMBER: P790504

CATALOG NUMBER: LER6D20D010-EC6DR6020359050-6LBDP1H

**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				
RC	80				70				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	100	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93	93	93	93
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86	86	86	86
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80	80	80	80
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75	75	75	75
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66	66	66	66
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62	62	62	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59	59	59	59
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55	55	55	55
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53	53	53	53

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

	0°
0°	466948
5°	478427
10°	484203
15°	461272
20°	406699
25°	328949
30°	222502
35°	111495
40°	18085
45°	17708
50°	18052
55°	18325
60°	18837
65°	19261
70°	19711
75°	19968
80°	19254
85°	16046

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 19968 cd/sqm



TEST NUMBER: P790504

CATALOG NUMBER: LER6D20D010-EC6DR6020359050-6LBDP1H

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	416.9	11.6
10°-20°	1128.0	31.3
20°-30°	1213.6	33.7
30°-40°	527.5	14.7
40°-50°	88.6	2.5
50°-60°	86.1	2.4
60°-70°	73.7	2.0
70°-80°	49.3	1.4
80°-90°	14.7	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°	2758.5	76.7
0°-40°	3286.0	91.3
0°-60°	3460.7	96.2
0°-90°	3598.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3598.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4274	
5°	4362	417
15°	4078	1128
25°	2729	1214
35°	836	528
45°	115	89
55°	96	86
65°	74	74
75°	47	49
85°	13	15
90°	0	



TEST NUMBER: P790504

CATALOG NUMBER: LER6D20D010-EC6DR6020359050-6LBDP1H

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	4273.7
2.5°	4393.8
5°	4362.1
7.5°	4372.1
10°	4364.3
12.5°	4274.2
15°	4077.9
17.5°	3814.3
20°	3497.8
22.5°	3159.1
25°	2728.6
27.5°	2182.4
30°	1763.6
32.5°	1359.3
35°	835.9
37.5°	357.6
40°	126.8
42.5°	116.8
45°	114.6
47.5°	110.7
50°	106.2
52.5°	101.2
55°	96.2
57.5°	91.2
60°	86.2
62.5°	80.6
65°	74.5
67.5°	68.4
70°	61.7
72.5°	54.5
75°	47.3
77.5°	38.9
80°	30.6
82.5°	21.7
85°	12.8
87.5°	4.4
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)