

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P790600

Luminaire Tested: LER6D20D010-EC6DR7020359050-6LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790600  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D20D010-EC6DR7020359050-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3622.1 lumens  
Efficiency: N/A  
Efficacy: 156.8 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

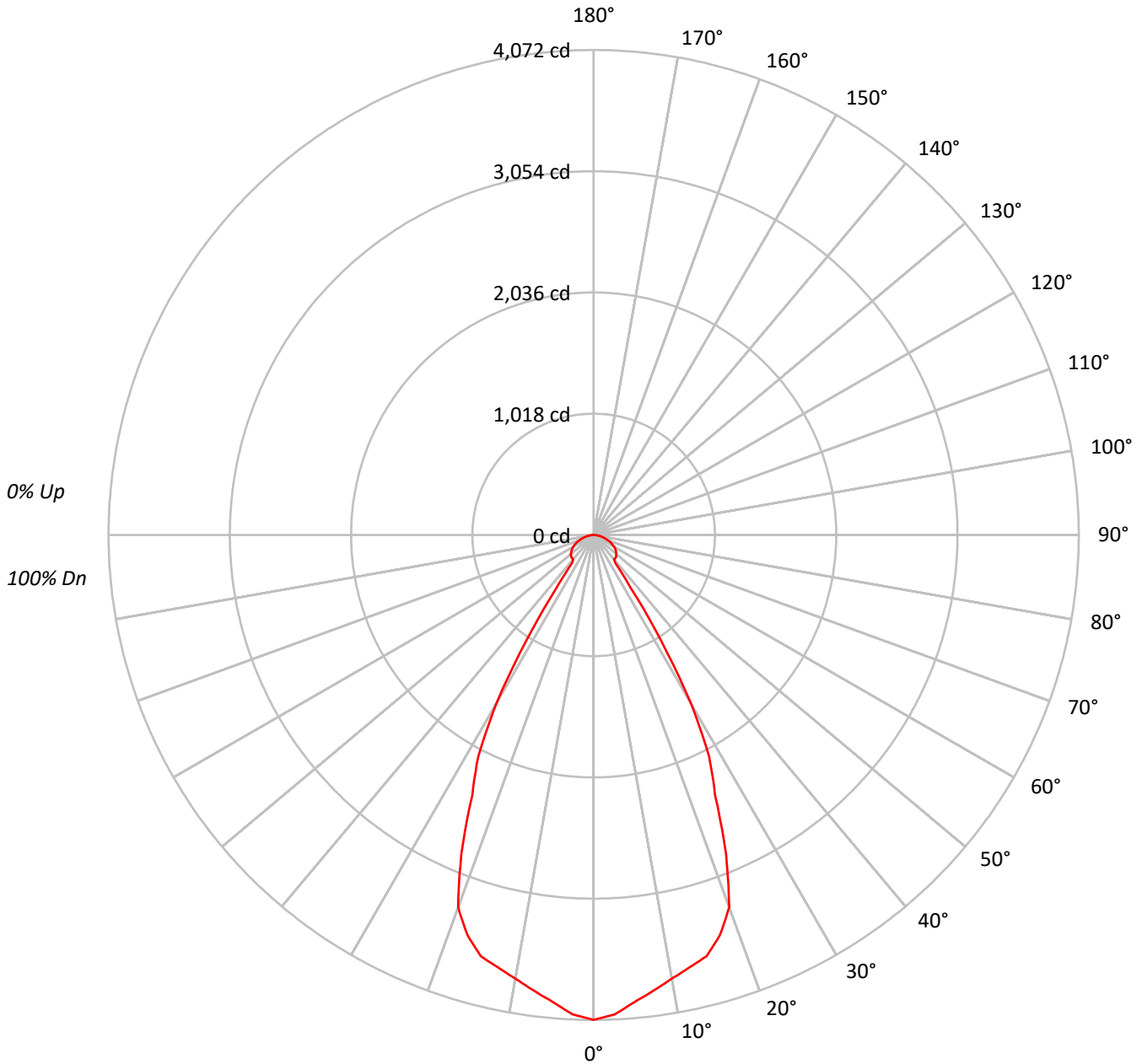
Input Watts (W): 23.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

TEST NUMBER: P790600  
CATALOG NUMBER: LER6D20D010-EC6DR7020359050-6LBPD1H

### Luminous Intensity Polar Plot





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**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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

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

	0°
0°	444943
5°	431715
10°	419688
15°	414182
20°	386758
25°	290552
30°	205394
35°	72760
40°	38253
45°	40746
50°	42189
55°	42994
60°	43245
65°	42348
70°	39964
75°	37023
80°	32845
85°	26702

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 43273 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	371.3	10.3
10°-20°	1018.4	28.1
20°-30°	1121.6	31.0
30°-40°	428.5	11.8
40°-50°	202.3	5.6
50°-60°	201.2	5.6
60°-70°	161.1	4.4
70°-80°	92.6	2.6
80°-90°	25.2	0.7
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°	2511.2	69.3
0°-40°	2939.8	81.2
0°-60°	3343.3	92.3
0°-90°	3622.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3622.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	4072	
5°	3936	371
15°	3662	1018
25°	2410	1122
35°	546	429
45°	264	202
55°	226	201
65°	164	161
75°	88	93
85°	21	25
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	4072.3
2.5°	4029.7
5°	3936.2
7.5°	3858.2
10°	3782.8
12.5°	3718.9
15°	3661.6
17.5°	3522.9
20°	3326.3
22.5°	2902.0
25°	2410.1
27.5°	2098.0
30°	1628.0
32.5°	1051.6
35°	545.5
37.5°	294.7
40°	268.2
42.5°	266.3
45°	263.7
47.5°	257.9
50°	248.2
52.5°	237.3
55°	225.7
57.5°	212.8
60°	197.9
62.5°	181.2
65°	163.8
67.5°	144.4
70°	125.1
72.5°	105.7
75°	87.7
77.5°	69.0
80°	52.2
82.5°	36.8
85°	21.3
87.5°	8.4
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)