

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: P791656

Luminaire Tested: LER6D30D010-EC6DR6020359050-6LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791656  
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: LER6D30D010-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: 5980.3 lumens  
Efficiency: N/A  
Efficacy: 206.2 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): 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

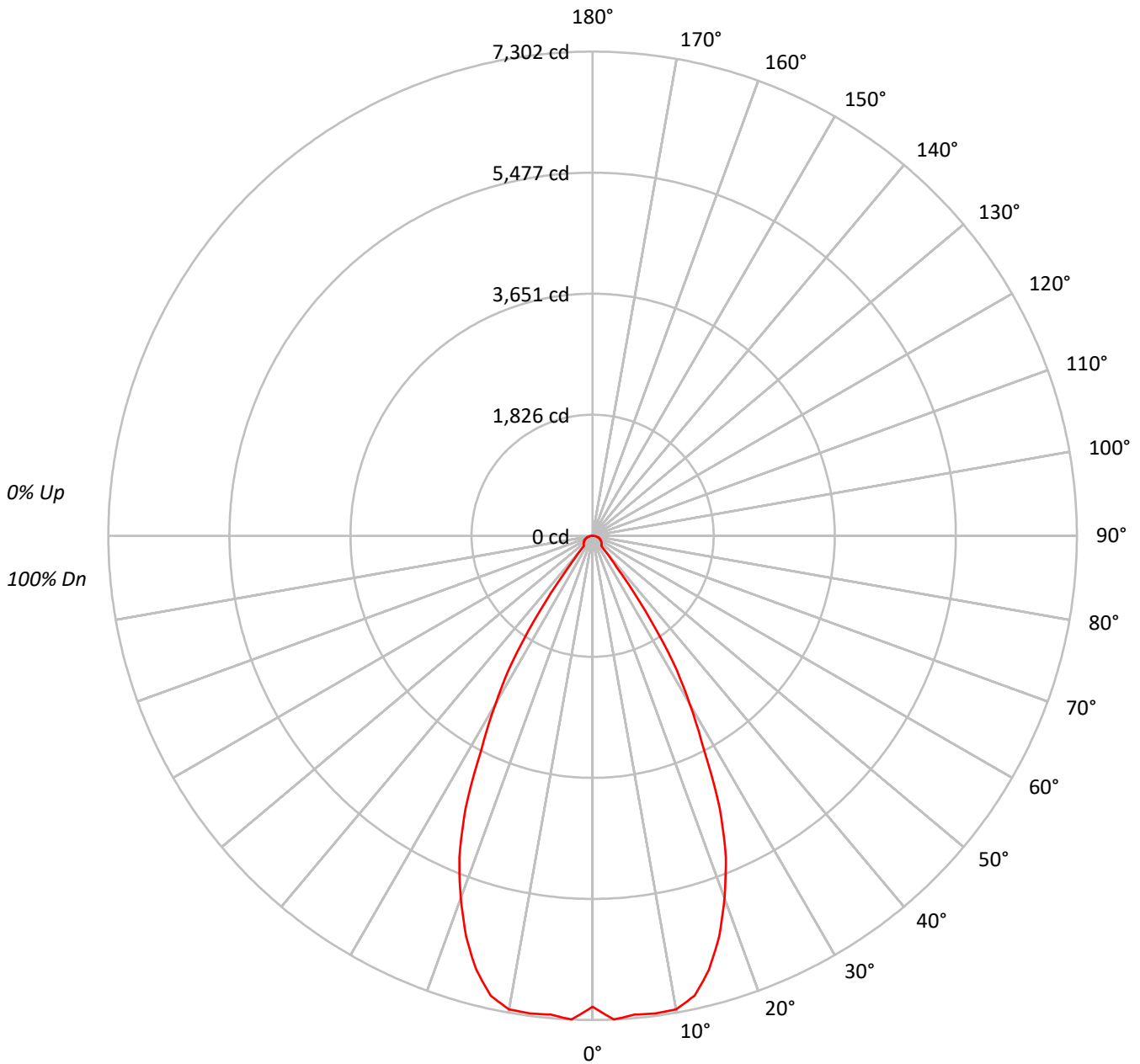


Downlight

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

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

	0°
0°	776003
5°	795090
10°	804693
15°	766581
20°	675883
25°	546673
30°	369785
35°	185295
40°	30052
45°	29420
50°	30001
55°	30459
60°	31314
65°	32032
70°	32776
75°	33181
80°	31964
85°	26702

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 33181 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	692.9	11.6
10°-20°	1874.6	31.3
20°-30°	2016.9	33.7
30°-40°	876.7	14.7
40°-50°	147.2	2.5
50°-60°	143.2	2.4
60°-70°	122.5	2.0
70°-80°	81.9	1.4
80°-90°	24.5	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°	4584.3	76.7
0°-40°	5461.0	91.3
0°-60°	5751.4	96.2
0°-90°	5980.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5980.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7102	
5°	7249	693
15°	6777	1875
25°	4535	2017
35°	1389	877
45°	190	147
55°	160	143
65°	124	122
75°	79	82
85°	21	25
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7102.3
2.5°	7302.0
5°	7249.3
7.5°	7266.0
10°	7253.0
12.5°	7103.3
15°	6777.0
17.5°	6338.9
20°	5812.9
22.5°	5250.0
25°	4534.6
27.5°	3627.0
30°	2931.0
32.5°	2259.0
35°	1389.2
37.5°	594.3
40°	210.7
42.5°	194.1
45°	190.4
47.5°	183.9
50°	176.5
52.5°	168.2
55°	159.9
57.5°	151.6
60°	143.3
62.5°	134.0
65°	123.9
67.5°	113.7
70°	102.6
72.5°	90.6
75°	78.6
77.5°	64.7
80°	50.8
82.5°	36.0
85°	21.3
87.5°	7.4
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

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— 0°-180°

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Scaled Data Report



(END OF REPORT)