

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: P791720

Luminaire Tested: LER6D30D010-EC6DR7020359027-6LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791720  
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: LER6D30D010-EC6DR7020359027-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5437.8 lumens  
Efficiency: N/A  
Efficacy: 187.5 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

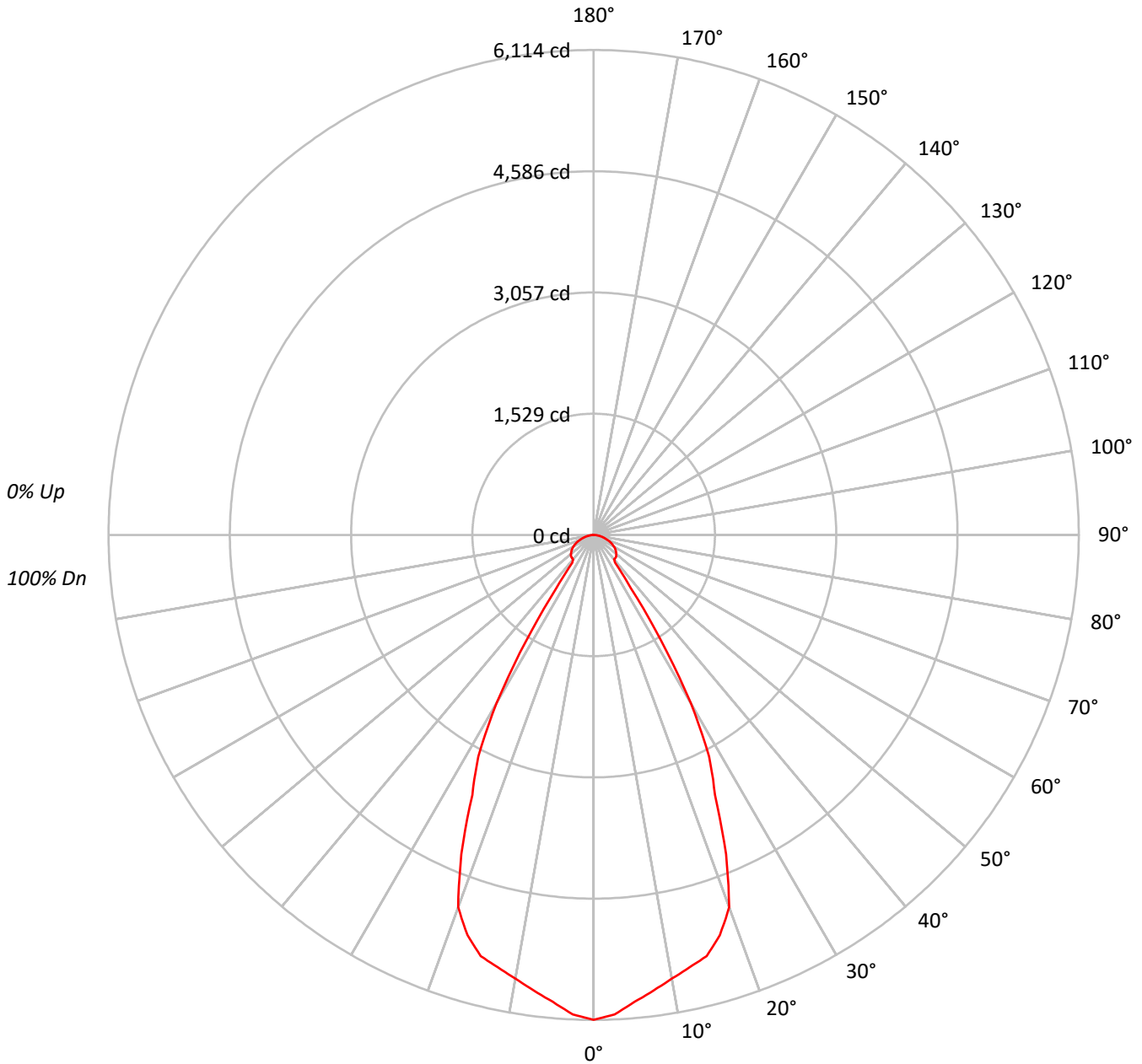
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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	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°	667977
5°	648132
10°	630064
15°	621805
20°	580632
25°	436195
30°	308356
35°	109227
40°	57437
45°	61174
50°	63351
55°	64538
60°	64945
65°	63573
70°	59994
75°	55555
80°	49330
85°	39991

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 64951 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	557.4	10.3
10°-20°	1528.9	28.1
20°-30°	1683.8	31.0
30°-40°	643.4	11.8
40°-50°	303.8	5.6
50°-60°	302.0	5.6
60°-70°	241.8	4.4
70°-80°	139.0	2.6
80°-90°	37.8	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°	3770.1	69.3
0°-40°	4413.5	81.2
0°-60°	5019.3	92.3
0°-90°	5437.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5437.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6114	
5°	5909	557
15°	5497	1529
25°	3618	1684
35°	819	643
45°	396	304
55°	339	302
65°	246	242
75°	132	139
85°	32	38
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	6113.6
2.5°	6049.8
5°	5909.4
7.5°	5792.3
10°	5679.0
12.5°	5583.2
15°	5497.1
17.5°	5288.9
20°	4993.7
22.5°	4356.8
25°	3618.2
27.5°	3149.7
30°	2444.1
32.5°	1578.7
35°	818.9
37.5°	442.4
40°	402.7
42.5°	399.8
45°	395.9
47.5°	387.2
50°	372.7
52.5°	356.2
55°	338.8
57.5°	319.4
60°	297.2
62.5°	272.0
65°	245.9
67.5°	216.8
70°	187.8
72.5°	158.7
75°	131.6
77.5°	103.6
80°	78.4
82.5°	55.2
85°	31.9
87.5°	12.6
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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(END OF REPORT)