

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: P791617

Luminaire Tested: LER6D30D010-EC6DR6020359024-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791617  
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-EC6DR6020359024-6LBDDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5109.9 lumens  
Efficiency: N/A  
Efficacy: 176.2 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

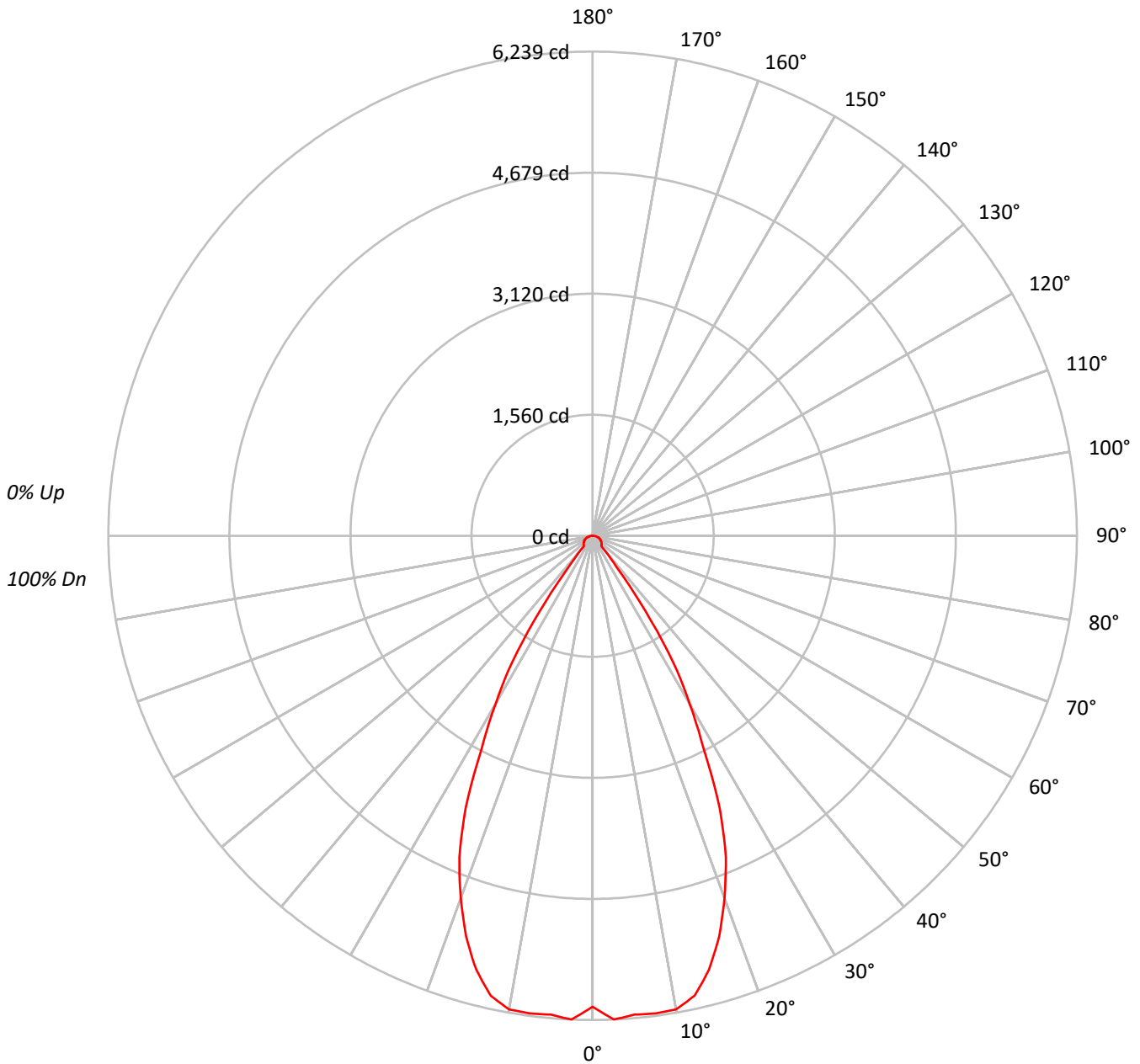
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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

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

	0°
0°	663071
5°	679379
10°	687590
15°	655015
20°	577527
25°	467118
30°	315964
35°	158339
40°	25688
45°	25140
50°	25633
55°	26021
60°	26747
65°	27353
70°	28016
75°	28326
80°	27308
85°	22816

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 28326 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	592.0	11.6
10°-20°	1601.7	31.3
20°-30°	1723.3	33.7
30°-40°	749.1	14.7
40°-50°	125.8	2.5
50°-60°	122.3	2.4
60°-70°	104.6	2.0
70°-80°	70.0	1.4
80°-90°	20.9	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°	3917.1	76.7
0°-40°	4666.2	91.3
0°-60°	4914.4	96.2
0°-90°	5109.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5109.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	6069	
5°	6194	592
15°	5791	1602
25°	3875	1723
35°	1187	749
45°	163	126
55°	137	122
65°	106	105
75°	67	70
85°	18	21
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	6068.7
2.5°	6239.3
5°	6194.3
7.5°	6208.5
10°	6197.5
12.5°	6069.5
15°	5790.7
17.5°	5416.4
20°	4967.0
22.5°	4486.0
25°	3874.7
27.5°	3099.1
30°	2504.4
32.5°	1930.2
35°	1187.1
37.5°	507.8
40°	180.1
42.5°	165.9
45°	162.7
47.5°	157.2
50°	150.8
52.5°	143.7
55°	136.6
57.5°	129.5
60°	122.4
62.5°	114.5
65°	105.8
67.5°	97.1
70°	87.7
72.5°	77.4
75°	67.1
77.5°	55.3
80°	43.4
82.5°	30.8
85°	18.2
87.5°	6.3
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)