

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: P791647

Luminaire Tested: LER6D30D010-EC6DR6020359040-6LBDP1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P791647  
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-EC6DR6020359040-6LBDDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

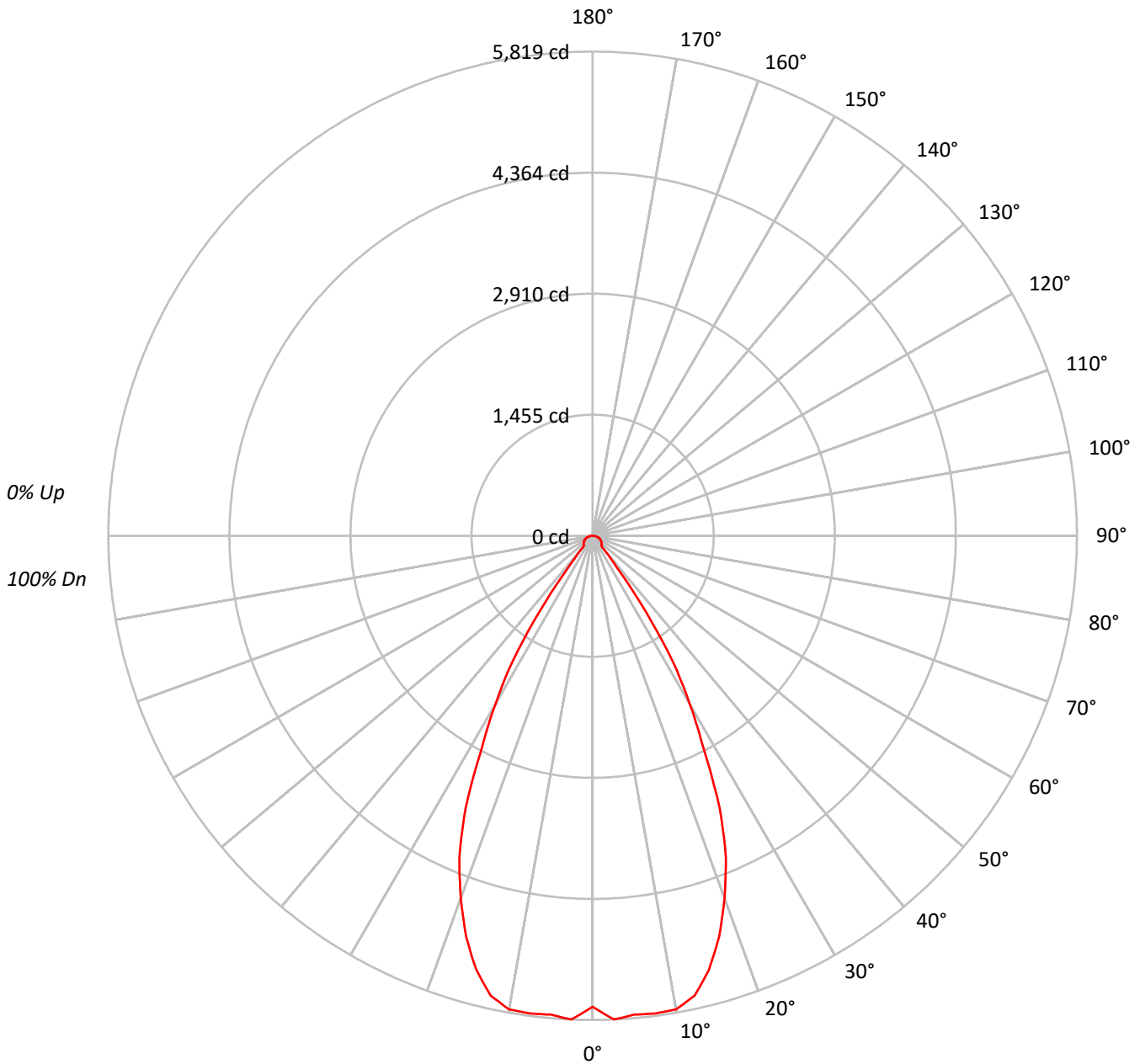
Lumens per Lamp: N/A  
Luminaire Lumens: 4765.5 lumens  
Efficiency: N/A  
Efficacy: 164.3 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 29  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

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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°	618383
5°	633589
10°	641236
15°	610867
20°	538599
25°	435629
30°	294667
35°	147655
40°	23948
45°	23440
50°	23916
55°	24268
60°	24955
65°	25517
70°	26132
75°	26427
80°	25483
85°	21186

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 26427 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	552.1	11.6
10°-20°	1493.8	31.3
20°-30°	1607.2	33.7
30°-40°	698.6	14.7
40°-50°	117.3	2.5
50°-60°	114.1	2.4
60°-70°	97.6	2.0
70°-80°	65.3	1.4
80°-90°	19.5	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°	3653.1	76.7
0°-40°	4351.7	91.3
0°-60°	4583.1	96.2
0°-90°	4765.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4765.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	5660	
5°	5777	552
15°	5400	1494
25°	3614	1607
35°	1107	699
45°	152	117
55°	127	114
65°	99	98
75°	63	65
85°	17	20
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	5659.7
2.5°	5818.8
5°	5776.8
7.5°	5790.0
10°	5779.7
12.5°	5660.4
15°	5400.4
17.5°	5051.3
20°	4632.2
22.5°	4183.6
25°	3613.5
27.5°	2890.2
30°	2335.6
32.5°	1800.1
35°	1107.0
37.5°	473.6
40°	167.9
42.5°	154.7
45°	151.7
47.5°	146.6
50°	140.7
52.5°	134.1
55°	127.4
57.5°	120.8
60°	114.2
62.5°	106.8
65°	98.7
67.5°	90.6
70°	81.8
72.5°	72.2
75°	62.6
77.5°	51.6
80°	40.5
82.5°	28.7
85°	16.9
87.5°	5.9
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)