

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: P773888

Luminaire Tested: LD6D90BD010-EU6DR6070959030-6LBDP1LI

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P773888  
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: LD6D90BD010-EU6DR6070959030-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11494.0 lumens  
Efficiency: N/A  
Efficacy: 116.2 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): 98.9  
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

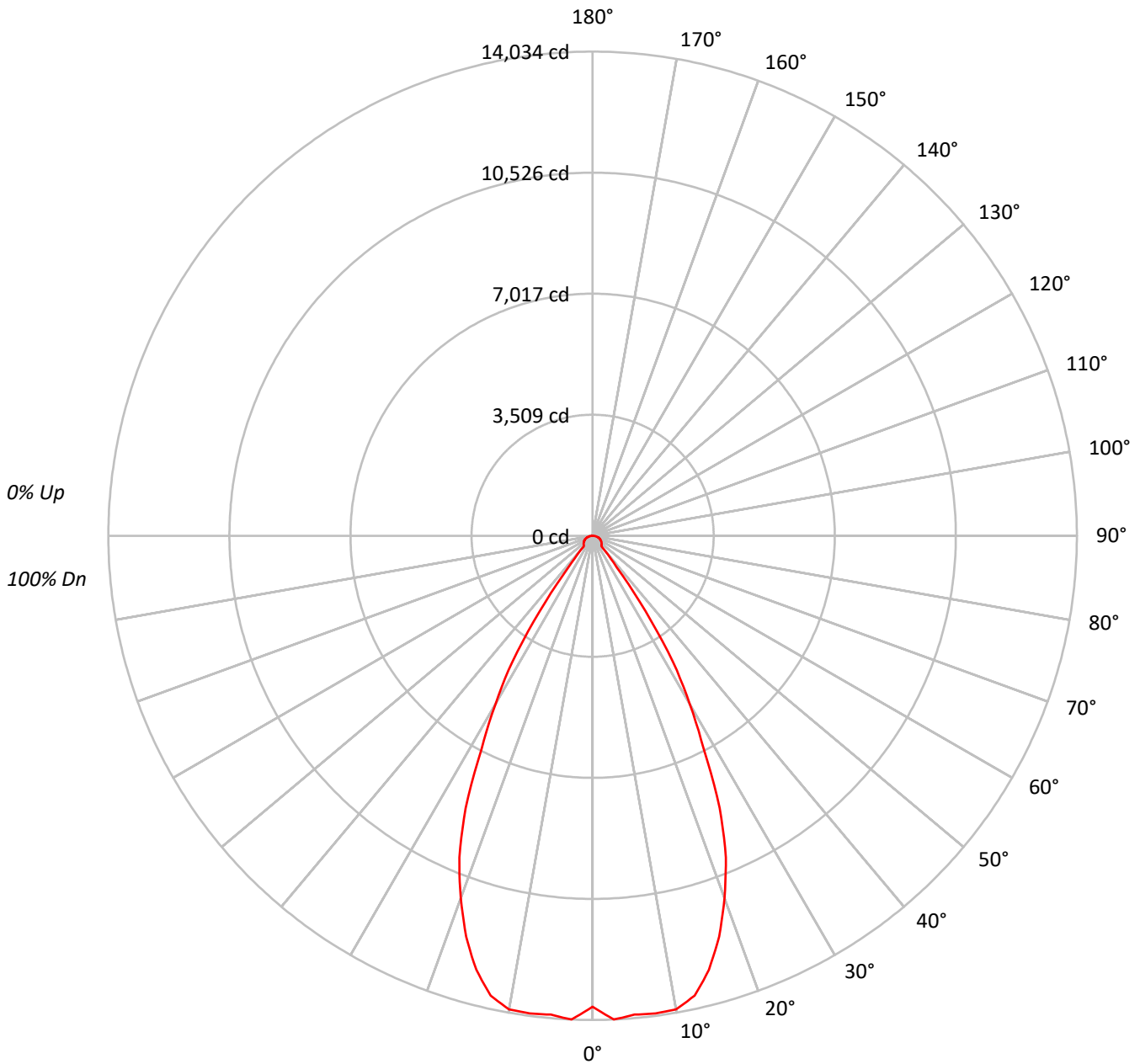


Downlight

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20			
RC	80				70				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
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°	1491464
5°	1528145
10°	1546602
15°	1473346
20°	1299035
25°	1050693
30°	710704
35°	356145
40°	57765
45°	56554
50°	57674
55°	58538
60°	60181
65°	61531
70°	62997
75°	63745
80°	61474
85°	51273

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 63745 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1331.6	11.6
10°-20°	3602.8	31.3
20°-30°	3876.4	33.7
30°-40°	1685.0	14.7
40°-50°	283.0	2.5
50°-60°	275.2	2.4
60°-70°	235.4	2.0
70°-80°	157.5	1.4
80°-90°	47.1	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°	8810.8	76.7
0°-40°	10495.8	91.3
0°-60°	11054.0	96.2
0°-90°	11494.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11494.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	13650	
5°	13933	###
15°	13025	3603
25°	8715	3876
35°	2670	1685
45°	366	283
55°	307	275
65°	238	235
75°	151	157
85°	41	47
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	13650.5
2.5°	14034.3
5°	13933.0
7.5°	13965.0
10°	13940.1
12.5°	13652.3
15°	13025.2
17.5°	12183.2
20°	11172.3
22.5°	10090.5
25°	8715.4
27.5°	6970.9
30°	5633.2
32.5°	4341.7
35°	2670.1
37.5°	1142.3
40°	405.0
42.5°	373.1
45°	366.0
47.5°	353.5
50°	339.3
52.5°	323.3
55°	307.3
57.5°	291.3
60°	275.4
62.5°	257.6
65°	238.0
67.5°	218.5
70°	197.2
72.5°	174.1
75°	151.0
77.5°	124.4
80°	97.7
82.5°	69.3
85°	40.9
87.5°	14.2
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)