

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P772327

Luminaire Tested: LD6D80BD010-EU6DR6070959030-6LBDP1H

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P772327  
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: LD6D80BD010-EU6DR6070959030-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-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: 9692.7 lumens  
Efficiency: N/A  
Efficacy: 122.8 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): 78.9  
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

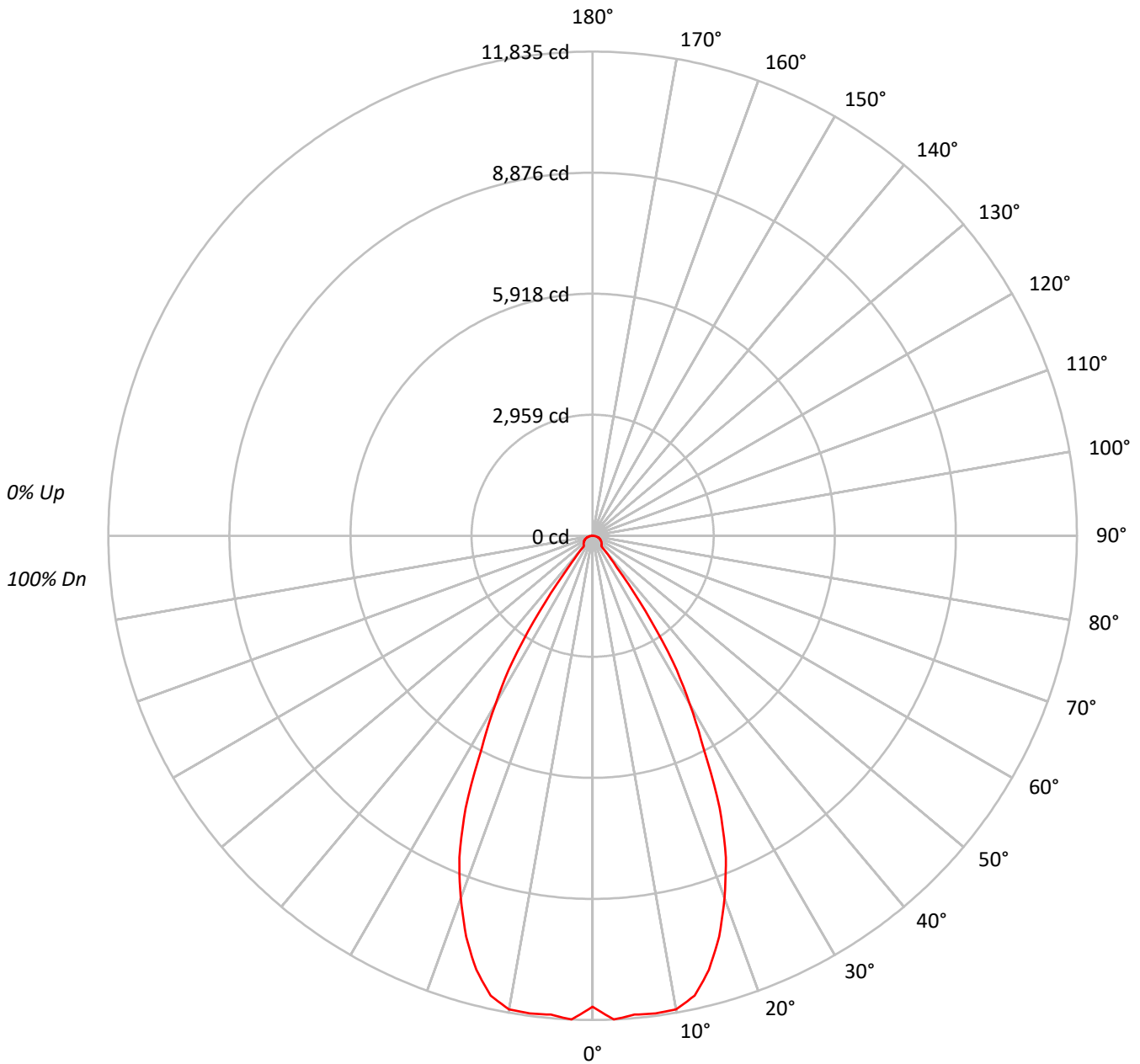


Downlight

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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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°	1257733
5°	1288663
10°	1304229
15°	1242456
20°	1095465
25°	886038
30°	599339
35°	300325
40°	48722
45°	47684
50°	48631
55°	49375
60°	50741
65°	51888
70°	53126
75°	53740
80°	51847
85°	43250

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 53740 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1123.0	11.6
10°-20°	3038.2	31.3
20°-30°	3268.9	33.7
30°-40°	1420.9	14.7
40°-50°	238.6	2.5
50°-60°	232.1	2.4
60°-70°	198.5	2.0
70°-80°	132.8	1.4
80°-90°	39.7	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°	7430.1	76.7
0°-40°	8851.0	91.3
0°-60°	9321.7	96.2
0°-90°	9692.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9692.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	11511	
5°	11750	###
15°	10984	3038
25°	7350	3269
35°	2252	1421
45°	309	239
55°	259	232
65°	201	198
75°	127	133
85°	34	40
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	11511.3
2.5°	11834.9
5°	11749.5
7.5°	11776.5
10°	11755.5
12.5°	11512.8
15°	10984.0
17.5°	10273.9
20°	9421.5
22.5°	8509.2
25°	7349.6
27.5°	5878.5
30°	4750.5
32.5°	3661.3
35°	2251.6
37.5°	963.3
40°	341.6
42.5°	314.6
45°	308.6
47.5°	298.1
50°	286.1
52.5°	272.7
55°	259.2
57.5°	245.7
60°	232.2
62.5°	217.2
65°	200.7
67.5°	184.3
70°	166.3
72.5°	146.8
75°	127.3
77.5°	104.9
80°	82.4
82.5°	58.4
85°	34.5
87.5°	12.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)