

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: P772449

Luminaire Tested: LD6D80BD010-EU6DR6570959050-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P772449  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D80BD010-EU6DR6570959050-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9972.3 lumens  
Efficiency: N/A  
Efficacy: 126.4 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' x H: 0')  
CIE Type: Direct

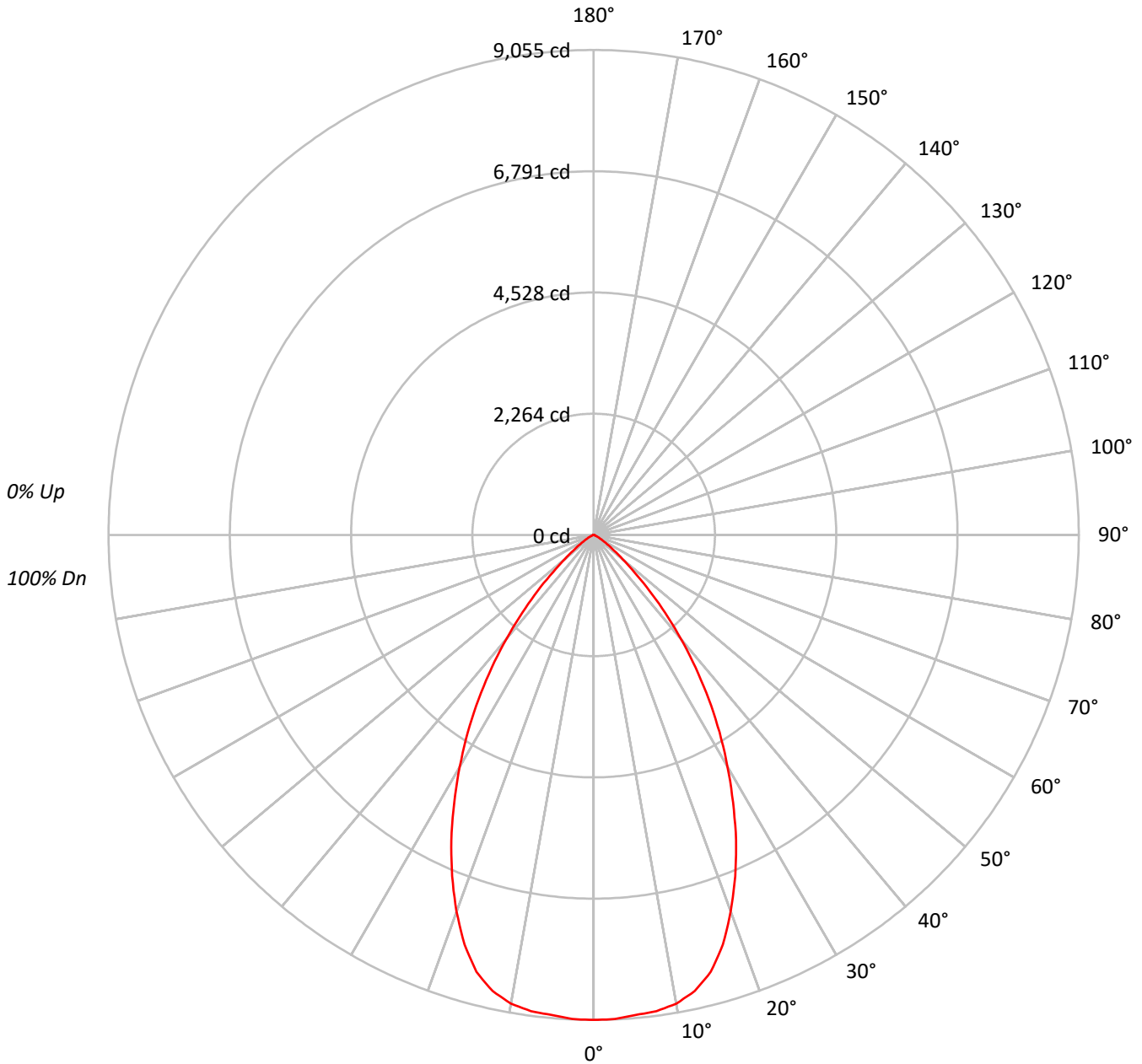
Input Watts (W): 78.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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

RF	20				20				20				20				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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			

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

	0°
0°	528824
5°	527490
10°	527036
15°	510789
20°	465010
25°	405228
30°	337033
35°	267054
40°	192744
45°	121771
50°	63475
55°	33734
60°	17720
65°	9743
70°	4098
75°	4513
80°	3128
85°	2680

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 121771 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	856.3	8.6
10°-20°	2344.8	23.5
20°-30°	2866.1	28.7
30°-40°	2325.5	23.3
40°-50°	1158.9	11.6
50°-60°	323.2	3.2
60°-70°	73.4	0.7
70°-80°	19.1	0.2
80°-90°	4.9	0.0
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°	6067.2	60.8
0°-40°	8392.7	84.2
0°-60°	9874.8	99.0
0°-90°	9972.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9972.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	9055	
5°	8997	856
15°	8448	2345
25°	6288	2866
35°	3746	2326
45°	1474	1159
55°	331	323
65°	70	73
75°	20	19
85°	4	5
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	9054.6
2.5°	9047.9
5°	8997.4
7.5°	8968.1
10°	8886.9
12.5°	8721.9
15°	8447.8
17.5°	8019.4
20°	7481.8
22.5°	6901.7
25°	6288.3
27.5°	5632.3
30°	4997.6
32.5°	4370.9
35°	3745.6
37.5°	3121.5
40°	2528.1
42.5°	1971.9
45°	1474.3
47.5°	1027.2
50°	698.6
52.5°	481.7
55°	331.3
57.5°	223.5
60°	151.7
62.5°	105.1
65°	70.5
67.5°	35.9
70°	24.0
72.5°	22.6
75°	20.0
77.5°	13.3
80°	9.3
82.5°	6.7
85°	4.0
87.5°	2.7
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)