

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: P772204

Luminaire Tested: LD6D80BD010-EU6DR5070959040-6LBSQW1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P772204  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D80BD010-EU6DR5070959040-6LBSQW1B  
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 50° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

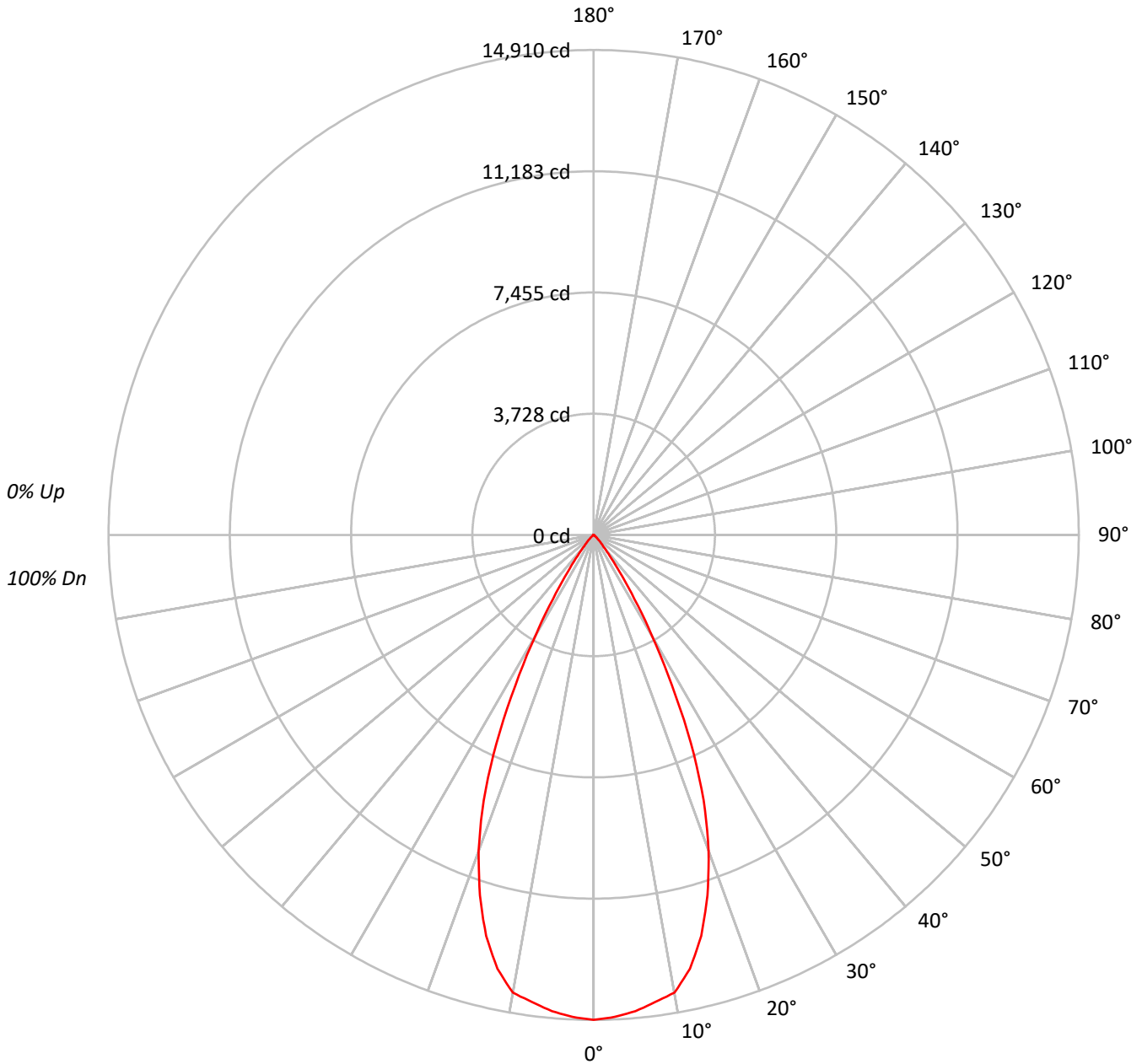
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9253.4 lumens  
Efficiency: N/A  
Efficacy: 117.3 lumens/watt  
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 78.9  
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



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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	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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95					95			
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90					90			
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85					85			
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80					80			
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76					76			
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72					72			
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69					69			
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65					65			
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62					62			
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59					59			

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

	0°
0°	1629034
5°	1611961
10°	1585411
15°	1443642
20°	1201273
25°	852728
30°	451350
35°	183935
40°	68305
45°	31274
50°	12816
55°	6705
60°	3300
65°	982
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 31274 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1389.2	15.0
10°-20°	3510.8	37.9
20°-30°	3153.6	34.1
30°-40°	987.4	10.7
40°-50°	172.9	1.9
50°-60°	34.5	0.4
60°-70°	5.2	0.1
70°-80°	0.0	0.0
80°-90°	0.0	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°	8053.5	87.0
0°-40°	9040.9	97.7
0°-60°	9248.2	99.9
0°-90°	9253.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9253.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	14910	
5°	14697	###
15°	12763	3511
25°	7073	3154
35°	1379	987
45°	202	173
55°	35	34
65°	4	5
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	14909.6
2.5°	14835.4
5°	14697.2
7.5°	14486.0
10°	14289.9
12.5°	13661.4
15°	12762.6
17.5°	11621.2
20°	10331.5
22.5°	8839.4
25°	7073.3
27.5°	5200.3
30°	3577.5
32.5°	2329.3
35°	1379.0
37.5°	791.9
40°	478.9
42.5°	311.7
45°	202.4
47.5°	123.2
50°	75.4
52.5°	51.5
55°	35.2
57.5°	23.9
60°	15.1
62.5°	8.8
65°	3.8
67.5°	1.3
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)