

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: P774843

Luminaire Tested: LD6D95BD010-EU6DR7070959035-6LBSQW1B

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P774843  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D95BD010-EU6DR7070959035-6LBSQW1B  
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

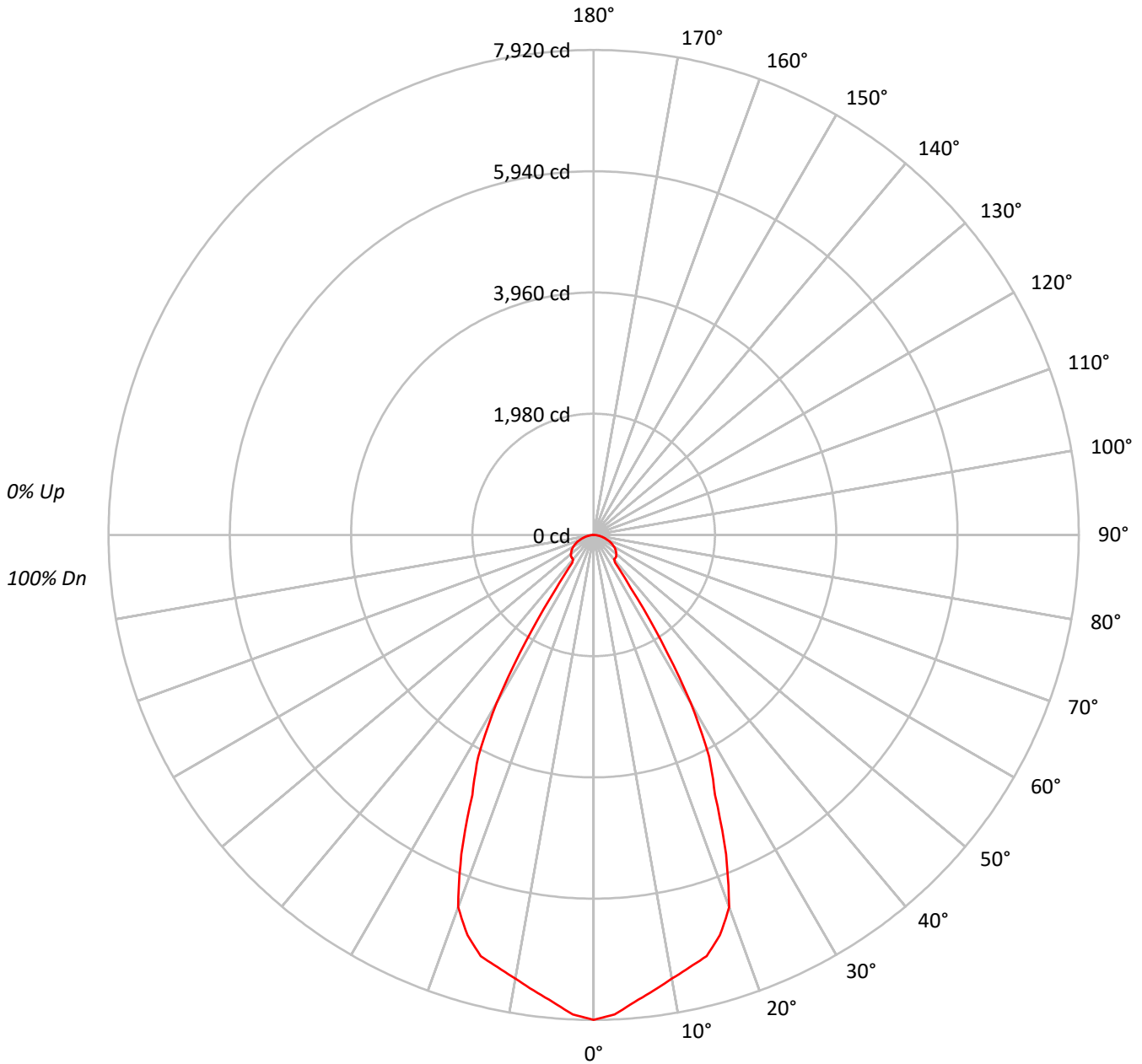
Lumens per Lamp: N/A  
Luminaire Lumens: 7044.7 lumens  
Efficiency: N/A  
Efficacy: 71.0 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 99.2  
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																	
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	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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																											
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																											
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																											
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																											
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																											
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																											
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																											
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																											
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																											
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																											

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

	0°
0°	865367
5°	839652
10°	816243
15°	805538
20°	752204
25°	565094
30°	399471
35°	141506
40°	74410
45°	79252
50°	82066
55°	83606
60°	84131
65°	82343
70°	77724
75°	71977
80°	63927
85°	51900

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 84147 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	722.1	10.3
10°-20°	1980.7	28.1
20°-30°	2181.4	31.0
30°-40°	833.5	11.8
40°-50°	393.5	5.6
50°-60°	391.3	5.6
60°-70°	313.3	4.4
70°-80°	180.0	2.6
80°-90°	49.0	0.7
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°	4884.2	69.3
0°-40°	5717.6	81.2
0°-60°	6502.4	92.3
0°-90°	7044.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7044.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	7920	
5°	7656	722
15°	7121	1981
25°	4687	2181
35°	1061	833
45°	513	394
55°	439	391
65°	318	313
75°	170	180
85°	41	49
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	7920.2
2.5°	7837.4
5°	7655.6
7.5°	7503.8
10°	7357.1
12.5°	7233.0
15°	7121.4
17.5°	6851.8
20°	6469.3
22.5°	5644.2
25°	4687.4
27.5°	4080.5
30°	3166.3
32.5°	2045.2
35°	1060.9
37.5°	573.1
40°	521.7
42.5°	517.9
45°	512.9
47.5°	501.6
50°	482.8
52.5°	461.5
55°	438.9
57.5°	413.8
60°	385.0
62.5°	352.4
65°	318.5
67.5°	280.9
70°	243.3
72.5°	205.7
75°	170.5
77.5°	134.2
80°	101.6
82.5°	71.5
85°	41.4
87.5°	16.3
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)