

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: P774050

Luminaire Tested: LD6D90BD010-EU6DR7070959030-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774050
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: LD6D90BD010-EU6DR7070959030-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

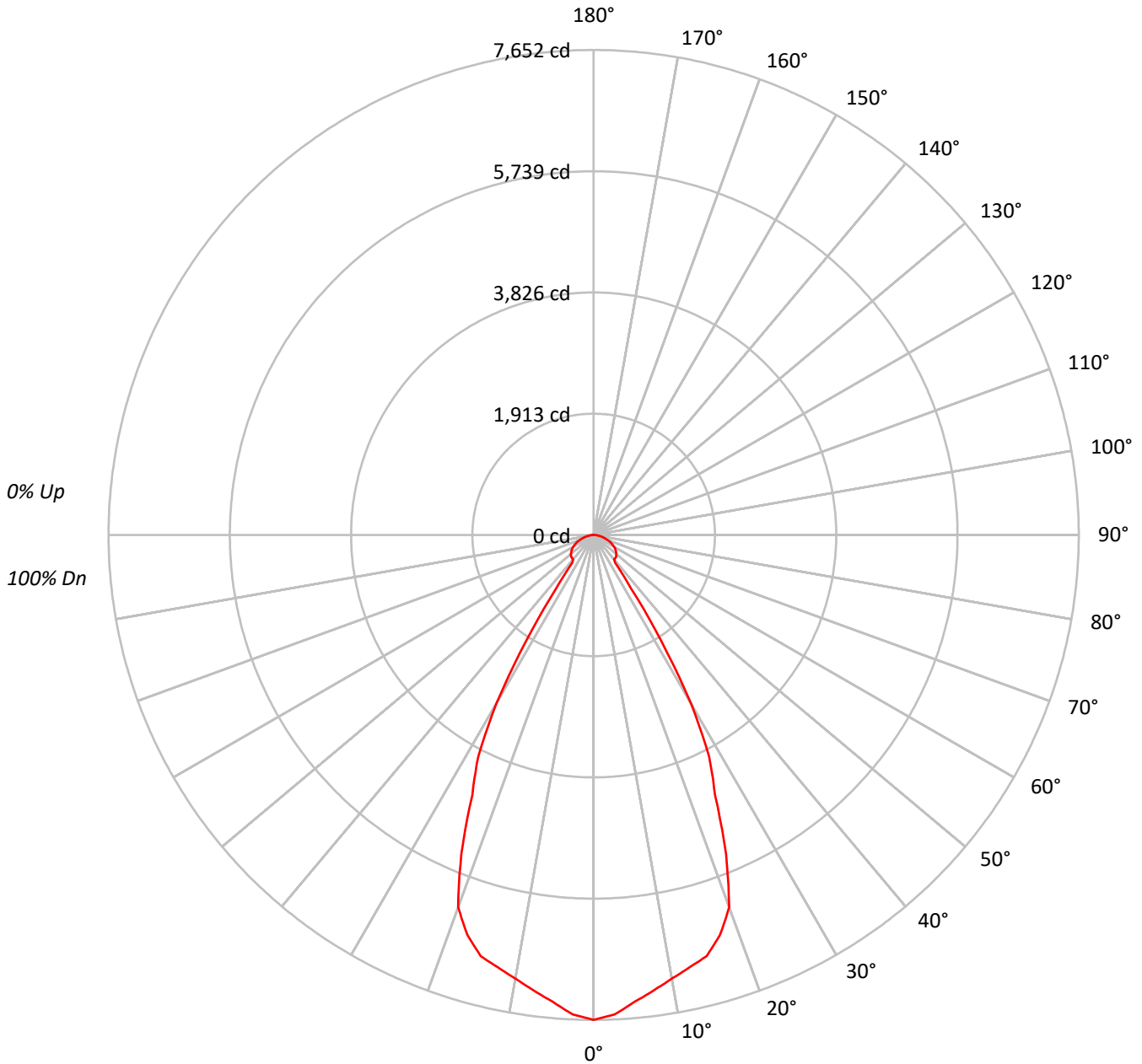
Lumens per Lamp: N/A
Luminaire Lumens: 6806.0 lumens
Efficiency: N/A
Efficacy: 68.8 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 98.9
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	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°	836063
5°	811212
10°	788606
15°	778254
20°	726729
25°	545962
30°	385947
35°	136704
40°	71885
45°	76564
50°	79278
55°	80768
60°	81268
65°	79551
70°	75072
75°	69571
80°	61725
85°	50145

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 81300 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	697.6	10.3
10°-20°	1913.6	28.1
20°-30°	2107.6	31.0
30°-40°	805.2	11.8
40°-50°	380.2	5.6
50°-60°	378.0	5.6
60°-70°	302.6	4.4
70°-80°	173.9	2.6
80°-90°	47.3	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°	4718.8	69.3
0°-40°	5524.0	81.2
0°-60°	6282.2	92.3
0°-90°	6806.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6806.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7652	
5°	7396	698
15°	6880	1914
25°	4529	2108
35°	1025	805
45°	496	380
55°	424	378
65°	308	303
75°	165	174
85°	40	47
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7652.0
2.5°	7572.0
5°	7396.3
7.5°	7249.8
10°	7108.0
12.5°	6988.1
15°	6880.2
17.5°	6619.8
20°	6250.2
22.5°	5453.1
25°	4528.7
27.5°	3942.3
30°	3059.1
32.5°	1976.0
35°	1024.9
37.5°	553.7
40°	504.0
42.5°	500.4
45°	495.5
47.5°	484.6
50°	466.4
52.5°	445.8
55°	424.0
57.5°	399.8
60°	371.9
62.5°	340.4
65°	307.7
67.5°	271.4
70°	235.0
72.5°	198.7
75°	164.8
77.5°	129.6
80°	98.1
82.5°	69.1
85°	40.0
87.5°	15.7
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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