

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: P773998

Luminaire Tested: LD6D90BD010-EU6DR6570959040-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P773998
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D90BD010-EU6DR6570959040-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

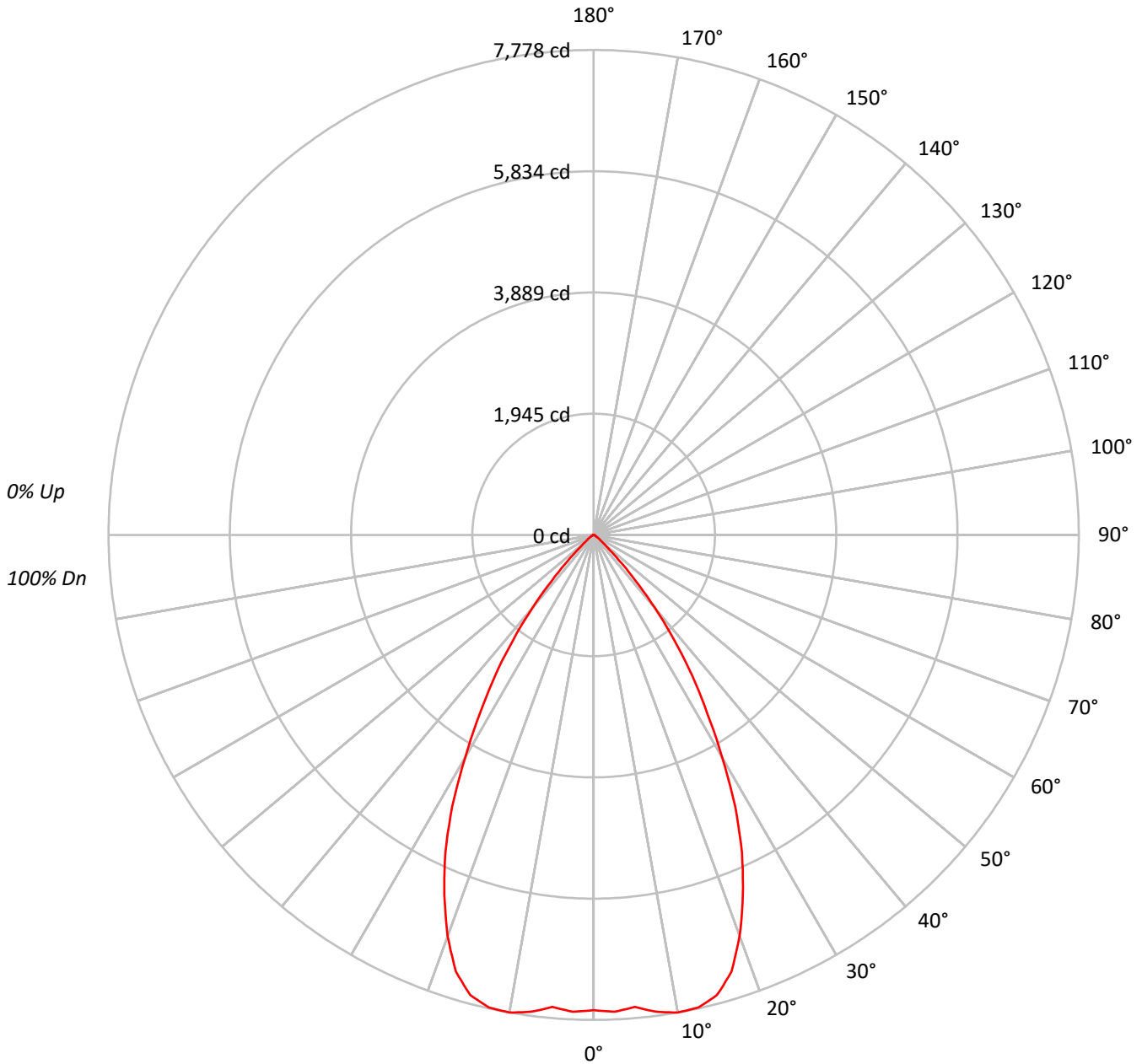
Lumens per Lamp: N/A
Luminaire Lumens: 7742.3 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	832873
5°	833554
10°	862907
15°	864335
20°	795760
25°	678031
30°	519062
35°	366709
40°	216455
45°	87874
50°	31854
55°	17754
60°	10183
65°	5610
70°	5878
75°	4559
80°	4782
85°	4012

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 87874 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	734.0	9.5
10°-20°	2117.3	27.3
20°-30°	2540.3	32.8
30°-40°	1707.2	22.1
40°-50°	511.0	6.6
50°-60°	90.2	1.2
60°-70°	25.6	0.3
70°-80°	12.5	0.2
80°-90°	4.0	0.1
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°	5391.6	69.6
0°-40°	7098.8	91.7
0°-60°	7700.1	99.5
0°-90°	7742.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7742.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7623	
5°	7600	734
15°	7641	2117
25°	5624	2540
35°	2749	1707
45°	569	511
55°	93	90
65°	22	26
75°	11	13
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	7622.8
2.5°	7655.3
5°	7600.0
7.5°	7714.9
10°	7777.7
12.5°	7762.5
15°	7641.2
17.5°	7344.4
20°	6843.9
22.5°	6254.6
25°	5624.2
27.5°	4912.5
30°	4114.2
32.5°	3390.6
35°	2749.3
37.5°	2115.6
40°	1517.6
42.5°	991.2
45°	568.7
47.5°	301.1
50°	187.4
52.5°	130.0
55°	93.2
57.5°	67.2
60°	46.6
62.5°	30.3
65°	21.7
67.5°	19.5
70°	18.4
72.5°	14.1
75°	10.8
77.5°	9.7
80°	7.6
82.5°	5.4
85°	3.2
87.5°	2.2
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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