

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: P774011

Luminaire Tested: LD6D90BD010-EU6DR6570959050-6LBSQW1B

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P774011
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-EU6DR6570959050-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

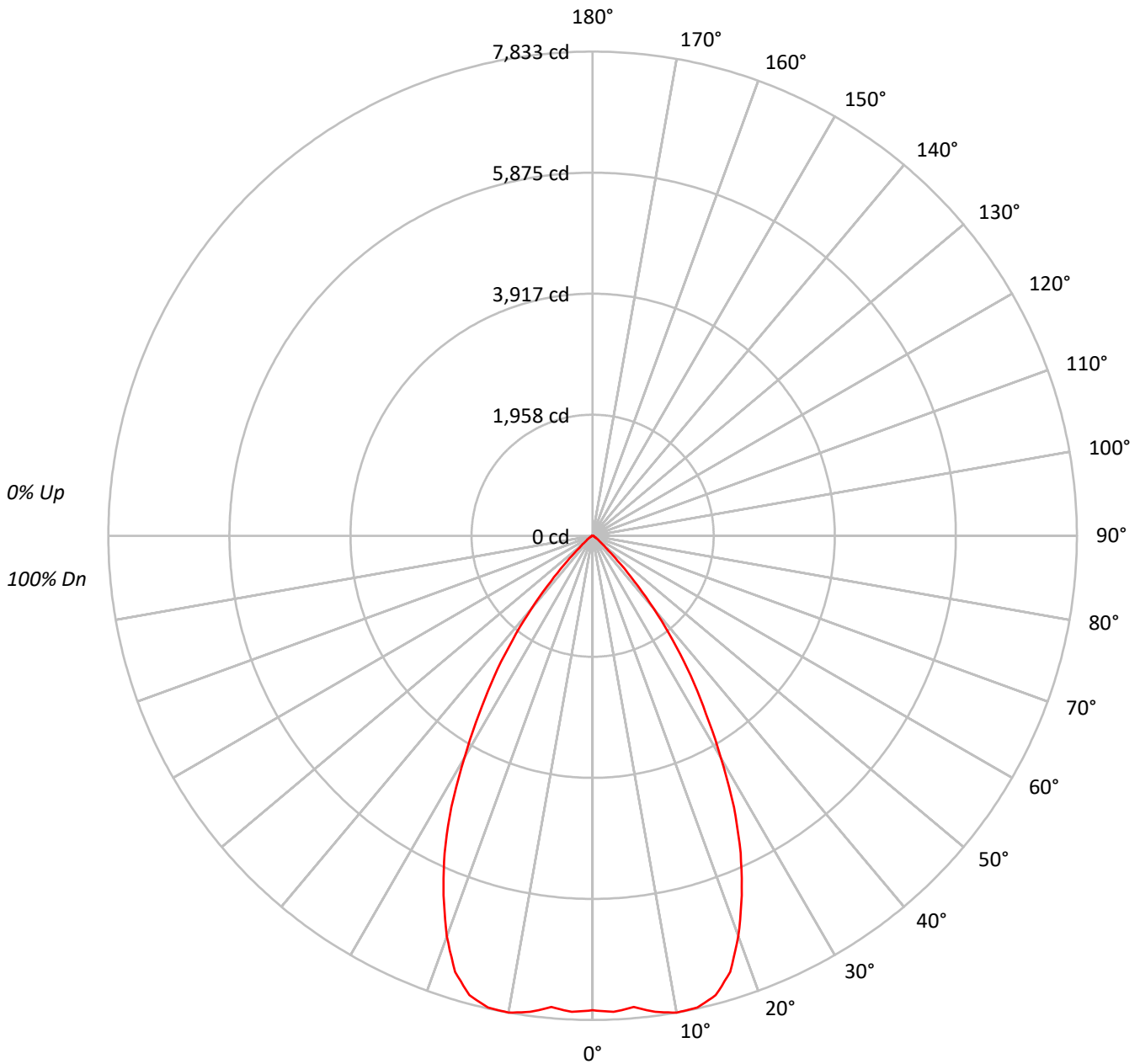
Lumens per Lamp: N/A
Luminaire Lumens: 7797.5 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	838817
5°	839509
10°	869064
15°	870511
20°	801446
25°	682877
30°	522758
35°	369324
40°	218010
45°	88508
50°	32075
55°	17868
60°	10249
65°	5636
70°	5910
75°	4601
80°	4782
85°	4137

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 88508 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	739.3	9.5
10°-20°	2132.4	27.3
20°-30°	2558.5	32.8
30°-40°	1719.4	22.1
40°-50°	514.7	6.6
50°-60°	90.8	1.2
60°-70°	25.8	0.3
70°-80°	12.6	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°	5430.1	69.6
0°-40°	7149.5	91.7
0°-60°	7755.0	99.5
0°-90°	7797.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7797.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7677	
5°	7654	739
15°	7696	2132
25°	5664	2558
35°	2769	1719
45°	573	515
55°	94	91
65°	22	26
75°	11	13
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7677.2
2.5°	7710.0
5°	7654.3
7.5°	7770.0
10°	7833.2
12.5°	7818.0
15°	7695.8
17.5°	7396.9
20°	6892.8
22.5°	6299.3
25°	5664.4
27.5°	4947.6
30°	4143.5
32.5°	3414.8
35°	2768.9
37.5°	2130.7
40°	1528.5
42.5°	998.2
45°	572.8
47.5°	303.3
50°	188.7
52.5°	130.9
55°	93.8
57.5°	67.6
60°	46.9
62.5°	30.5
65°	21.8
67.5°	19.6
70°	18.5
72.5°	14.2
75°	10.9
77.5°	9.8
80°	7.6
82.5°	5.5
85°	3.3
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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