

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: P774780

Luminaire Tested: LD6D95BD010-EU6DR6570959050-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774780
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR6570959050-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

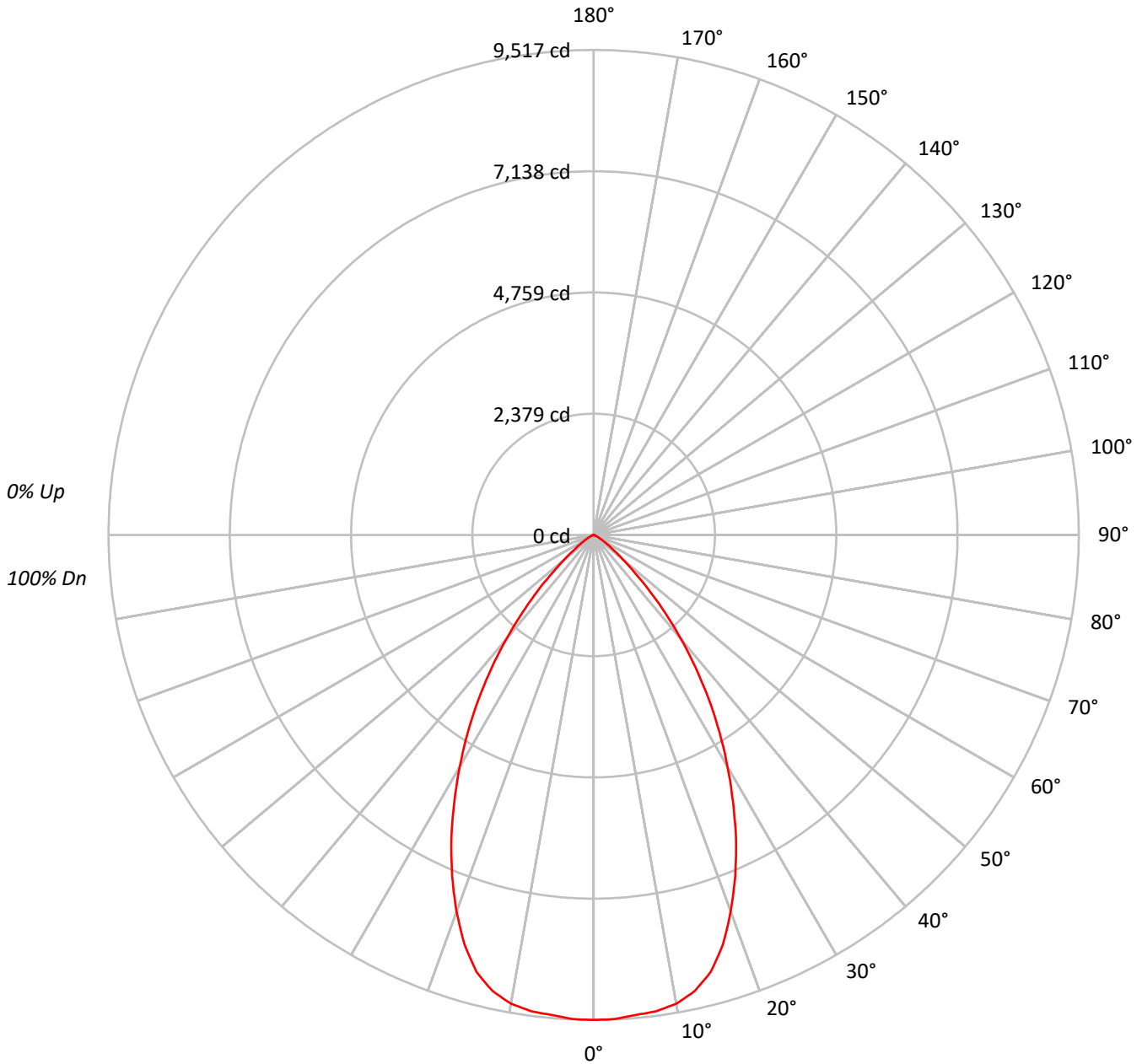
Lumens per Lamp: N/A
Luminaire Lumens: 10481.2 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

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				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	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	555806
5°	554406
10°	553931
15°	536855
20°	488739
25°	425907
30°	354237
35°	280679
40°	202580
45°	127982
50°	66710
55°	35455
60°	18619
65°	10240
70°	4303
75°	4739
80°	3296
85°	2814

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 127982 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	900.0	8.6
10°-20°	2464.5	23.5
20°-30°	3012.4	28.7
30°-40°	2444.2	23.3
40°-50°	1218.0	11.6
50°-60°	339.7	3.2
60°-70°	77.2	0.7
70°-80°	20.1	0.2
80°-90°	5.1	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°	6376.9	60.8
0°-40°	8821.0	84.2
0°-60°	10378.7	99.0
0°-90°	10481.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10481.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9517	
5°	9456	900
15°	8879	2464
25°	6609	3012
35°	3937	2444
45°	1550	1218
55°	348	340
65°	74	77
75°	21	20
85°	4	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	9516.6
2.5°	9509.7
5°	9456.5
7.5°	9425.7
10°	9340.4
12.5°	9167.0
15°	8878.9
17.5°	8428.6
20°	7863.6
22.5°	7253.9
25°	6609.2
27.5°	5919.8
30°	5252.7
32.5°	4594.0
35°	3936.7
37.5°	3280.8
40°	2657.1
42.5°	2072.5
45°	1549.5
47.5°	1079.6
50°	734.2
52.5°	506.2
55°	348.2
57.5°	234.9
60°	159.4
62.5°	110.5
65°	74.1
67.5°	37.8
70°	25.2
72.5°	23.8
75°	21.0
77.5°	14.0
80°	9.8
82.5°	7.0
85°	4.2
87.5°	2.8
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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