

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: P770828

Luminaire Tested: LD6D70BD010-EU6DR6570959027-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770828
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: LD6D70BD010-EU6DR6570959027-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6894.5 lumens
Efficiency: N/A
Efficacy: 103.5 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

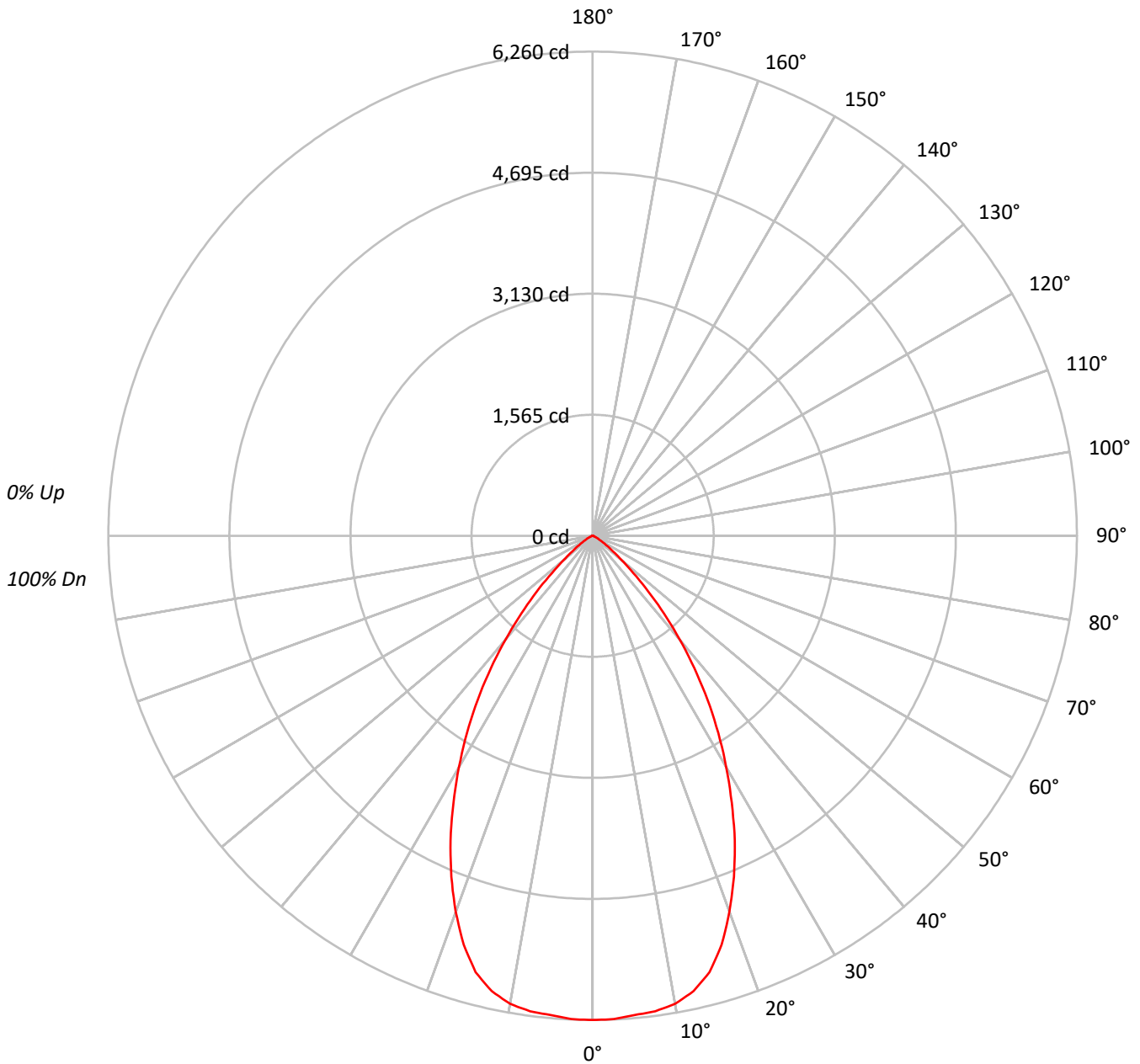
Input Watts (W): 66.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100																
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			93																
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85			85																
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78			78																
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72			72																
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66			66																
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61			61																
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56			56																
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52			52																
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49			49																
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46			46																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	365608
5°	364683
10°	364375
15°	353141
20°	321494
25°	280160
30°	233015
35°	184626
40°	133254
45°	84190
50°	43886
55°	23328
60°	12253
65°	6744
70°	2835
75°	3114
80°	2153
85°	1876

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 84190 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	592.0	8.6
10°-20°	1621.1	23.5
20°-30°	1981.6	28.7
30°-40°	1607.8	23.3
40°-50°	801.2	11.6
50°-60°	223.5	3.2
60°-70°	50.8	0.7
70°-80°	13.2	0.2
80°-90°	3.4	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°	4194.7	60.8
0°-40°	5802.4	84.2
0°-60°	6827.1	99.0
0°-90°	6894.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6894.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6260	
5°	6220	592
15°	5840	1621
25°	4348	1982
35°	2590	1608
45°	1019	801
55°	229	223
65°	49	51
75°	14	13
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	6260.0
2.5°	6255.4
5°	6220.4
7.5°	6200.2
10°	6144.1
12.5°	6030.0
15°	5840.5
17.5°	5544.3
20°	5172.7
22.5°	4771.6
25°	4347.5
27.5°	3894.0
30°	3455.2
32.5°	3021.9
35°	2589.5
37.5°	2158.1
40°	1747.8
42.5°	1363.3
45°	1019.3
47.5°	710.2
50°	483.0
52.5°	333.0
55°	229.1
57.5°	154.5
60°	104.9
62.5°	72.7
65°	48.8
67.5°	24.8
70°	16.6
72.5°	15.6
75°	13.8
77.5°	9.2
80°	6.4
82.5°	4.6
85°	2.8
87.5°	1.8
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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