

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: P770867

Luminaire Tested: LD6D70BD010-EU6DR6570959040-6LBCSSQMB

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P770867
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-EU6DR6570959040-6LBCSSQMB
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

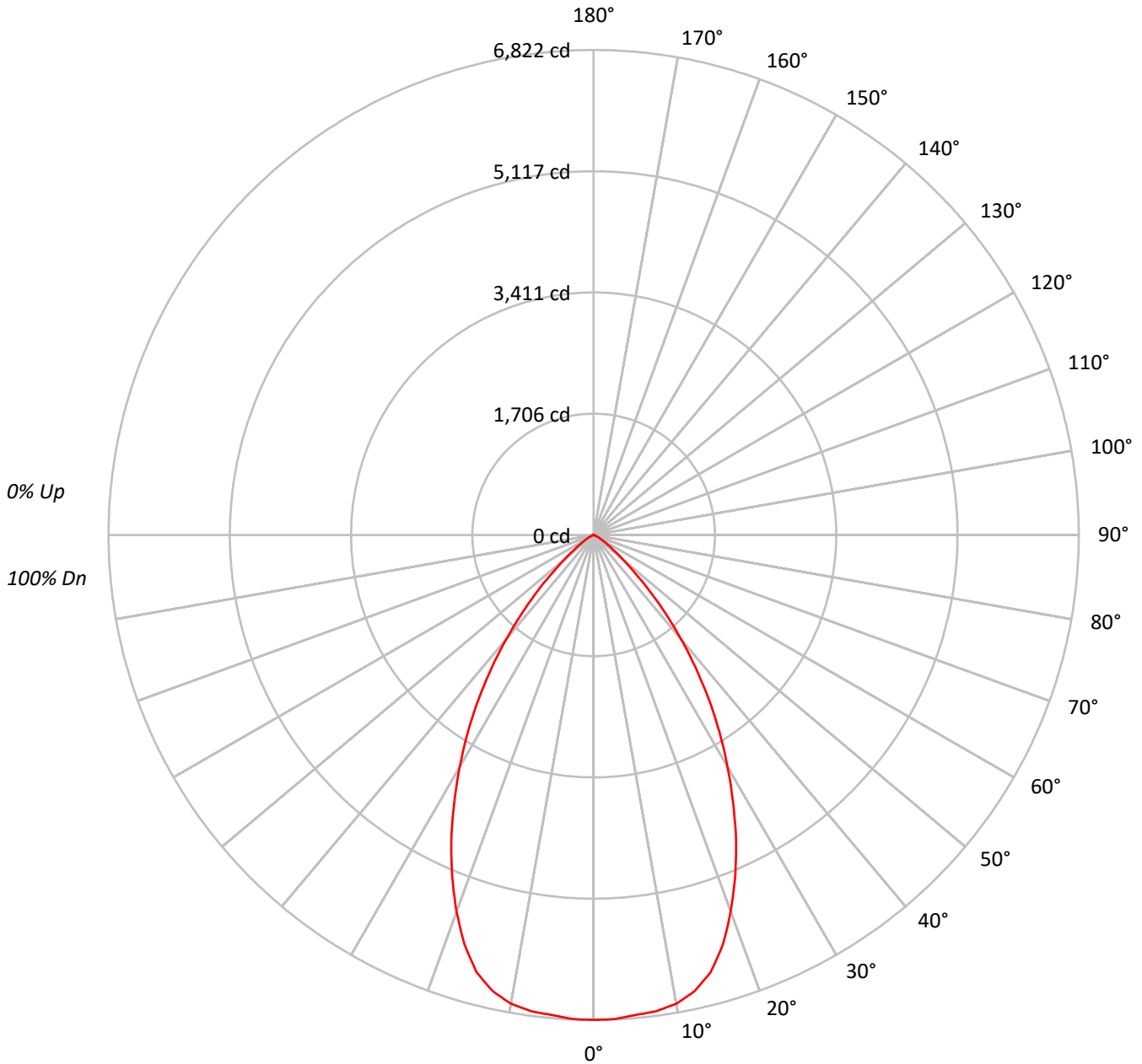
Lumens per Lamp: N/A
Luminaire Lumens: 7513.2 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96
Luminous Opening: Circular (Dia: 0.48' x H: 0')
CIE Type: Direct

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																			
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°	398420
5°	397415
10°	397076
15°	384836
20°	350345
25°	305305
30°	253928
35°	201196
40°	145216
45°	91739
50°	47820
55°	25415
60°	13351
65°	7338
70°	3074
75°	3385
80°	2354
85°	2010

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 91739 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	645.1	8.6
10°-20°	1766.6	23.5
20°-30°	2159.4	28.7
30°-40°	1752.1	23.3
40°-50°	873.1	11.6
50°-60°	243.5	3.2
60°-70°	55.3	0.7
70°-80°	14.4	0.2
80°-90°	3.7	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°	4571.1	60.8
0°-40°	6323.2	84.2
0°-60°	7439.8	99.0
0°-90°	7513.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7513.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6822	
5°	6779	645
15°	6365	1767
25°	4738	2159
35°	2822	1752
45°	1111	873
55°	250	244
65°	53	55
75°	15	14
85°	3	4
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	6821.8
2.5°	6816.8
5°	6778.7
7.5°	6756.6
10°	6695.5
12.5°	6571.2
15°	6364.7
17.5°	6041.9
20°	5636.9
22.5°	5199.8
25°	4737.7
27.5°	4243.4
30°	3765.3
32.5°	3293.1
35°	2821.9
37.5°	2351.8
40°	1904.7
42.5°	1485.7
45°	1110.7
47.5°	773.9
50°	526.3
52.5°	362.9
55°	249.6
57.5°	168.4
60°	114.3
62.5°	79.2
65°	53.1
67.5°	27.1
70°	18.0
72.5°	17.0
75°	15.0
77.5°	10.0
80°	7.0
82.5°	5.0
85°	3.0
87.5°	2.0
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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