

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: P771750

Luminaire Tested: LD6D75BD010-EU6DR7070959050-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P771750
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D75BD010-EU6DR7070959050-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

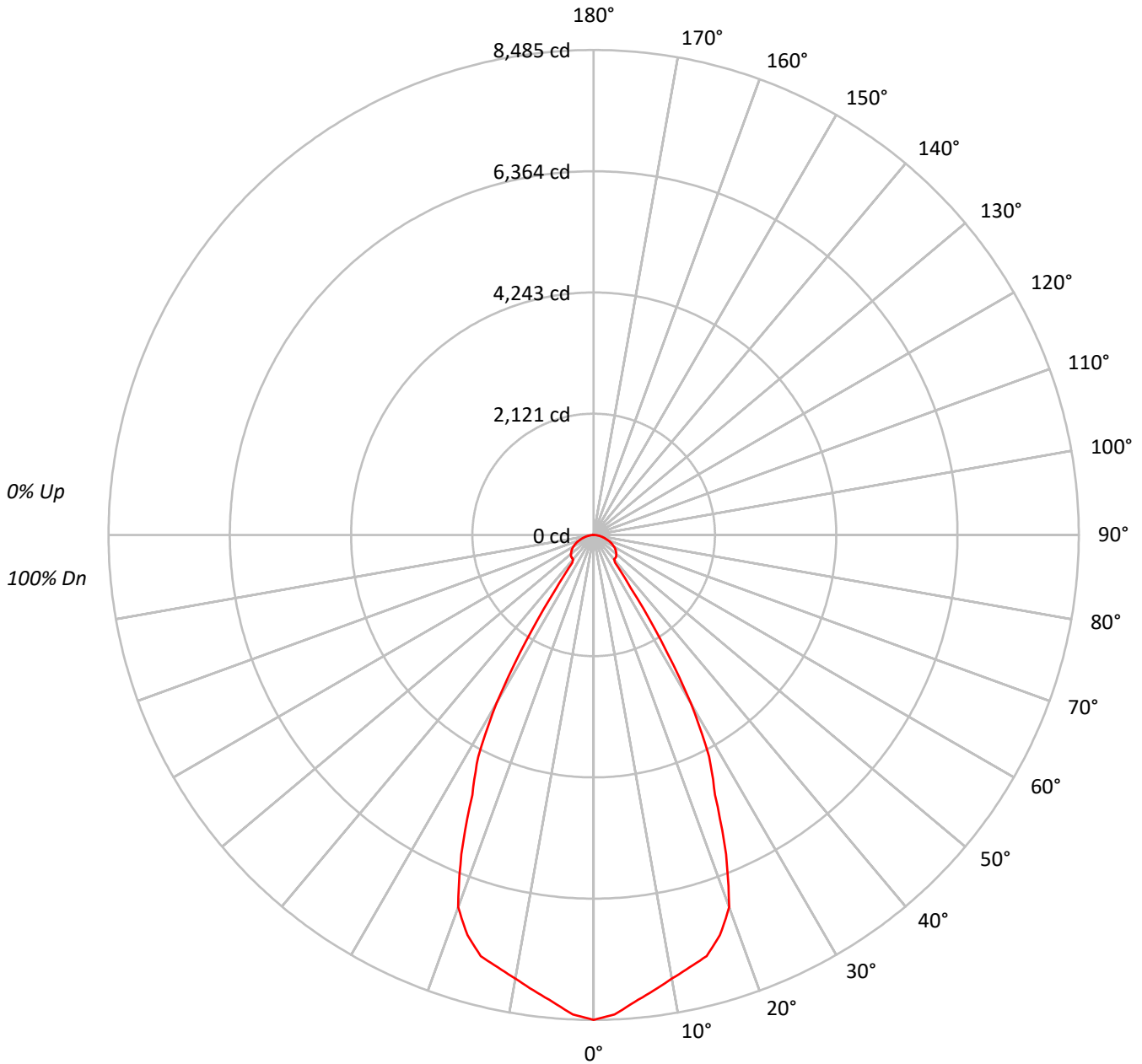
Lumens per Lamp: N/A
Luminaire Lumens: 7547.3 lumens
Efficiency: N/A
Efficacy: 104.2 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

Input Watts (W): 72.4
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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	927121
5°	899569
10°	874490
15°	863023
20°	805887
25°	605420
30°	427984
35°	151603
40°	79716
45°	84908
50°	87913
55°	89569
60°	90118
65°	88211
70°	83251
75°	77127
80°	68458
85°	55536

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 90146 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	773.6	10.3
10°-20°	2122.0	28.1
20°-30°	2337.1	31.0
30°-40°	892.9	11.8
40°-50°	421.6	5.6
50°-60°	419.1	5.6
60°-70°	335.6	4.4
70°-80°	192.9	2.6
80°-90°	52.4	0.7
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°	5232.7	69.3
0°-40°	6125.6	81.2
0°-60°	6966.4	92.3
0°-90°	7547.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7547.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8485	
5°	8202	774
15°	7630	2122
25°	5022	2337
35°	1137	893
45°	550	422
55°	470	419
65°	341	336
75°	183	193
85°	44	52
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8485.4
2.5°	8396.7
5°	8201.9
7.5°	8039.3
10°	7882.1
12.5°	7749.1
15°	7629.6
17.5°	7340.7
20°	6931.0
22.5°	6047.0
25°	5021.9
27.5°	4371.7
30°	3392.3
32.5°	2191.2
35°	1136.6
37.5°	614.0
40°	558.9
42.5°	554.9
45°	549.5
47.5°	537.4
50°	517.2
52.5°	494.4
55°	470.2
57.5°	443.3
60°	412.4
62.5°	377.5
65°	341.2
67.5°	300.9
70°	260.6
72.5°	220.3
75°	182.7
77.5°	143.8
80°	108.8
82.5°	76.6
85°	44.3
87.5°	17.5
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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