

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: P771724

Luminaire Tested: LD6D75BD010-EU6DR7070959035-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P771724
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-EU6DR7070959035-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

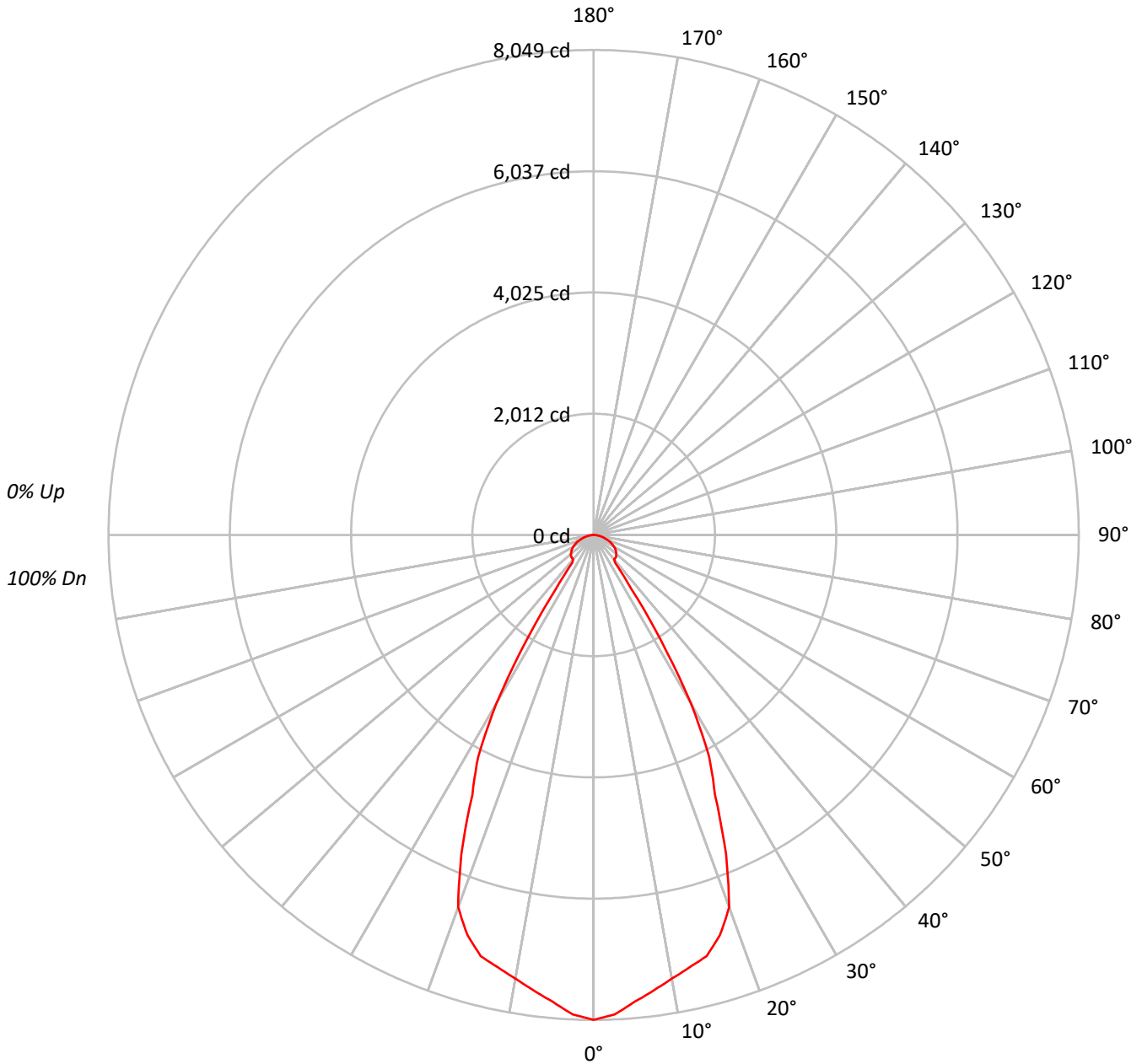
Lumens per Lamp: N/A
Luminaire Lumens: 7159.1 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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°	879429
5°	853296
10°	829512
15°	818625
20°	764424
25°	574280
30°	405969
35°	143800
40°	75608
45°	80535
50°	83392
55°	84959
60°	85486
65°	83687
70°	78970
75°	73159
80°	64934
85°	52778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 85509 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	733.8	10.3
10°-20°	2012.8	28.1
20°-30°	2216.9	31.0
30°-40°	847.0	11.8
40°-50°	399.9	5.6
50°-60°	397.6	5.6
60°-70°	318.3	4.4
70°-80°	183.0	2.6
80°-90°	49.7	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°	4963.5	69.3
0°-40°	5810.5	81.2
0°-60°	6608.0	92.3
0°-90°	7159.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7159.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8049	
5°	7780	734
15°	7237	2013
25°	4764	2217
35°	1078	847
45°	521	400
55°	446	398
65°	324	318
75°	173	183
85°	42	50
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	8048.9
2.5°	7964.8
5°	7780.0
7.5°	7625.8
10°	7476.7
12.5°	7350.5
15°	7237.1
17.5°	6963.1
20°	6574.4
22.5°	5735.9
25°	4763.6
27.5°	4146.8
30°	3217.8
32.5°	2078.5
35°	1078.1
37.5°	582.4
40°	530.1
42.5°	526.3
45°	521.2
47.5°	509.7
50°	490.6
52.5°	469.0
55°	446.0
57.5°	420.5
60°	391.2
62.5°	358.1
65°	323.7
67.5°	285.5
70°	247.2
72.5°	209.0
75°	173.3
77.5°	136.4
80°	103.2
82.5°	72.6
85°	42.1
87.5°	16.6
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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