

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: P771711

Luminaire Tested: LD6D75BD010-EU6DR7070959030-6LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P771711
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-EU6DR7070959030-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7084.4 lumens
Efficiency: N/A
Efficacy: 97.9 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

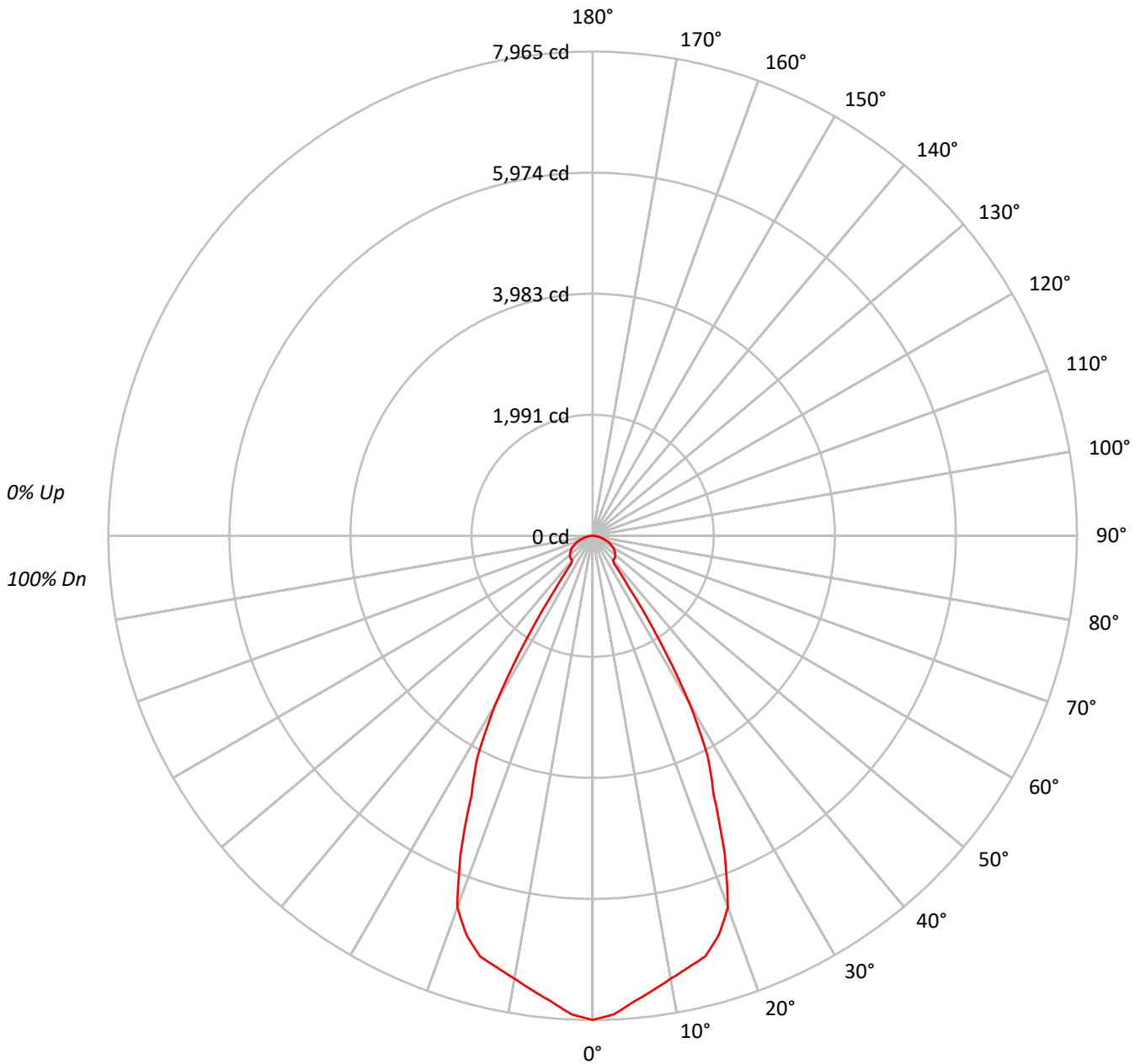
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	870262
5°	844401
10°	820869
15°	810096
20°	756460
25°	568288
30°	401730
35°	142306
40°	74824
45°	79700
50°	82525
55°	84082
60°	84612
65°	82808
70°	78139
75°	72399
80°	64242
85°	52151

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 57.5°
 Luminance: 84635 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	726.2	10.3
10°-20°	1991.9	28.1
20°-30°	2193.8	31.0
30°-40°	838.2	11.8
40°-50°	395.8	5.6
50°-60°	393.5	5.6
60°-70°	315.0	4.4
70°-80°	181.0	2.6
80°-90°	49.2	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°	4911.8	69.3
0°-40°	5750.0	81.2
0°-60°	6539.2	92.3
0°-90°	7084.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7084.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7965	
5°	7699	726
15°	7162	1992
25°	4714	2194
35°	1067	838
45°	516	396
55°	441	393
65°	320	315
75°	172	181
85°	42	49
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	7965.0
2.5°	7881.8
5°	7698.9
7.5°	7546.3
10°	7398.8
12.5°	7273.9
15°	7161.7
17.5°	6890.5
20°	6505.9
22.5°	5676.1
25°	4713.9
27.5°	4103.6
30°	3184.2
32.5°	2056.8
35°	1066.9
37.5°	576.3
40°	524.6
42.5°	520.8
45°	515.8
47.5°	504.4
50°	485.5
52.5°	464.1
55°	441.4
57.5°	416.2
60°	387.2
62.5°	354.4
65°	320.3
67.5°	282.5
70°	244.6
72.5°	206.8
75°	171.5
77.5°	134.9
80°	102.1
82.5°	71.9
85°	41.6
87.5°	16.4
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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