

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: P774233

Luminaire Tested: LD6D95BD010-EU6DR3070959040-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774233
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D95BD010-EU6DR3070959040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9709.6 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

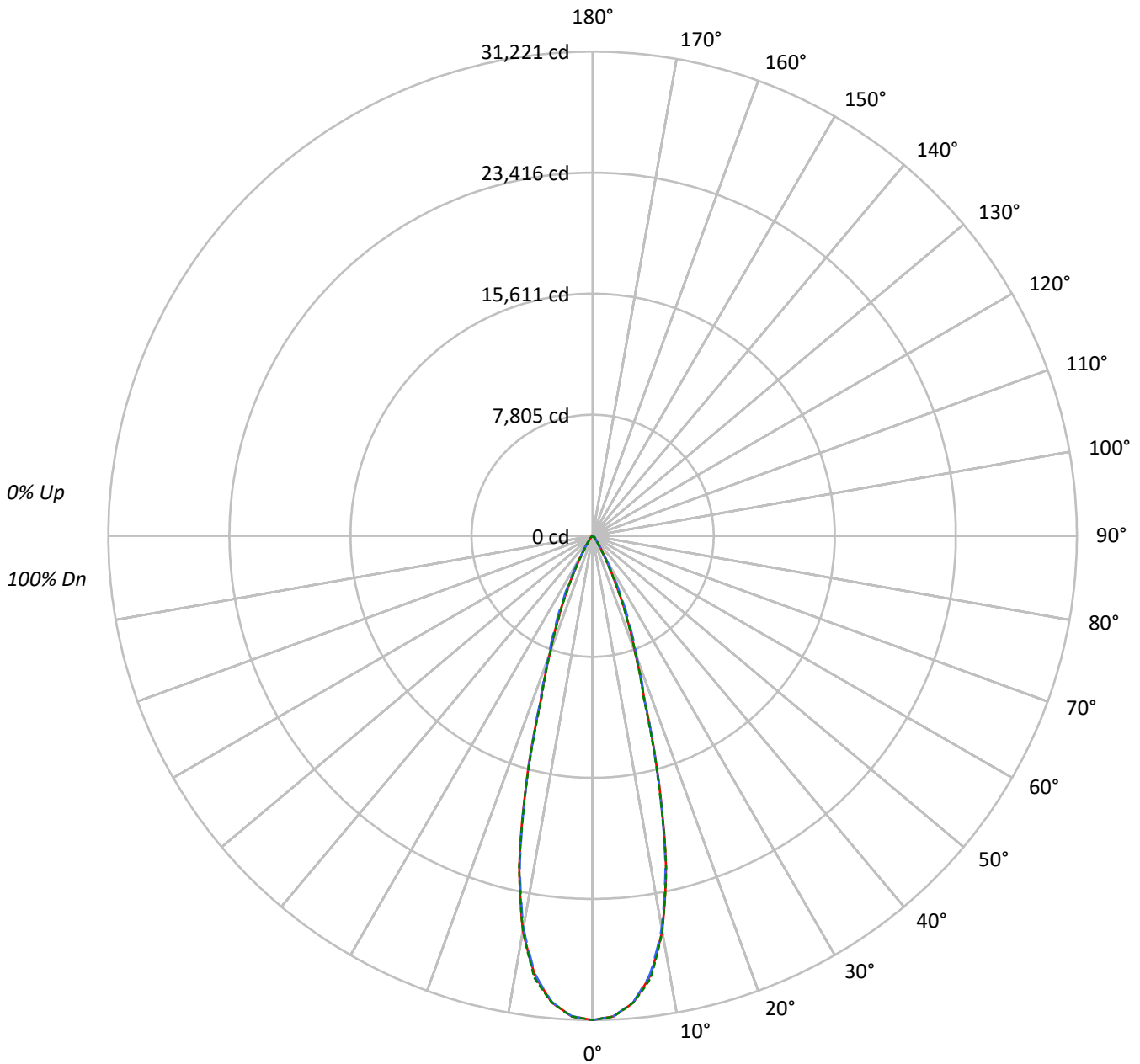
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2389777	2389777	2389777
5°	2321170	2318466	2321293
10°	2010484	1996307	2010010
15°	1311742	1304698	1298136
20°	652265	676743	651394
25°	328569	370510	321838
30°	131552	143342	114617
35°	61018	58439	48982
40°	26349	29257	24810
45°	18586	23068	18749
50°	6383	16790	6752
55°	3683	6953	3883
60°	2587	3046	2587
65°	1666	1666	1666
70°	1029	694	1029
75°	0	444	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 23068 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2745.4	28.3
10°-20°	4421.5	45.5
20°-30°	1910.7	19.7
30°-40°	435.5	4.5
40°-50°	149.5	1.5
50°-60°	36.5	0.4
60°-70°	9.5	0.1
70°-80°	1.0	0.0
80°-90°	0.0	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°	9077.6	93.5
0°-40°	9513.1	98.0
0°-60°	9699.2	99.9
0°-90°	9709.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9709.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	31221	31221	31221	31221	31221	
5°	30210	30180	30174	30237	30211	2748
15°	16553	16354	16464	16411	16382	4432
25°	3890	4038	4387	3935	3811	1862
35°	653	667	625	621	524	443
45°	172	213	213	213	173	122
55°	28	29	52	31	29	27
65°	9	9	9	9	9	9
75°	0	0	2	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	31221.2	31221.2	31221.2	31221.2	31221.2
2.5°	31014.3	30992.8	31005.1	31020.4	31026.5
5°	30209.5	30180.4	30174.3	30237.1	30211.1
7.5°	28586.2	28544.8	28482.0	28624.6	28757.9
10°	25866.9	25821.0	25684.5	25752.0	25860.8
12.5°	21852.4	21703.7	21700.6	21915.2	21886.1
15°	16553.3	16354.0	16464.4	16410.8	16381.6
17.5°	11131.6	11055.0	11202.1	11157.7	10966.1
20°	8007.6	8027.6	8308.1	8167.1	7996.9
22.5°	5843.2	5915.3	6247.9	5884.6	5751.3
25°	3890.4	4037.5	4387.0	3934.8	3810.7
27.5°	2392.8	2460.2	2814.3	2362.1	2294.7
30°	1488.4	1454.7	1621.8	1391.8	1296.8
32.5°	976.4	933.5	987.2	886.0	809.3
35°	653.0	666.8	625.4	620.8	524.2
37.5°	407.7	469.1	413.9	441.5	337.2
40°	263.7	340.3	292.8	323.4	248.3
42.5°	216.1	262.1	240.7	256.0	220.7
45°	171.7	213.1	213.1	213.1	173.2
47.5°	95.0	142.6	182.4	145.6	101.2
50°	53.6	72.0	141.0	75.1	56.7
52.5°	36.8	41.4	96.6	42.9	38.3
55°	27.6	29.1	52.1	30.7	29.1
57.5°	21.5	23.0	27.6	23.0	21.5
60°	16.9	16.9	19.9	18.4	16.9
62.5°	12.3	12.3	13.8	12.3	12.3
65°	9.2	9.2	9.2	9.2	9.2
67.5°	4.6	6.1	6.1	6.1	6.1
70°	4.6	3.1	3.1	3.1	4.6
72.5°	3.1	1.5	1.5	1.5	1.5
75°	0.0	0.0	1.5	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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