

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: P774246

Luminaire Tested: LD6D95BD010-EU6DR3070959050-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P774246
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-EU6DR3070959050-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9779.0 lumens
Efficiency: N/A
Efficacy: 98.6 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

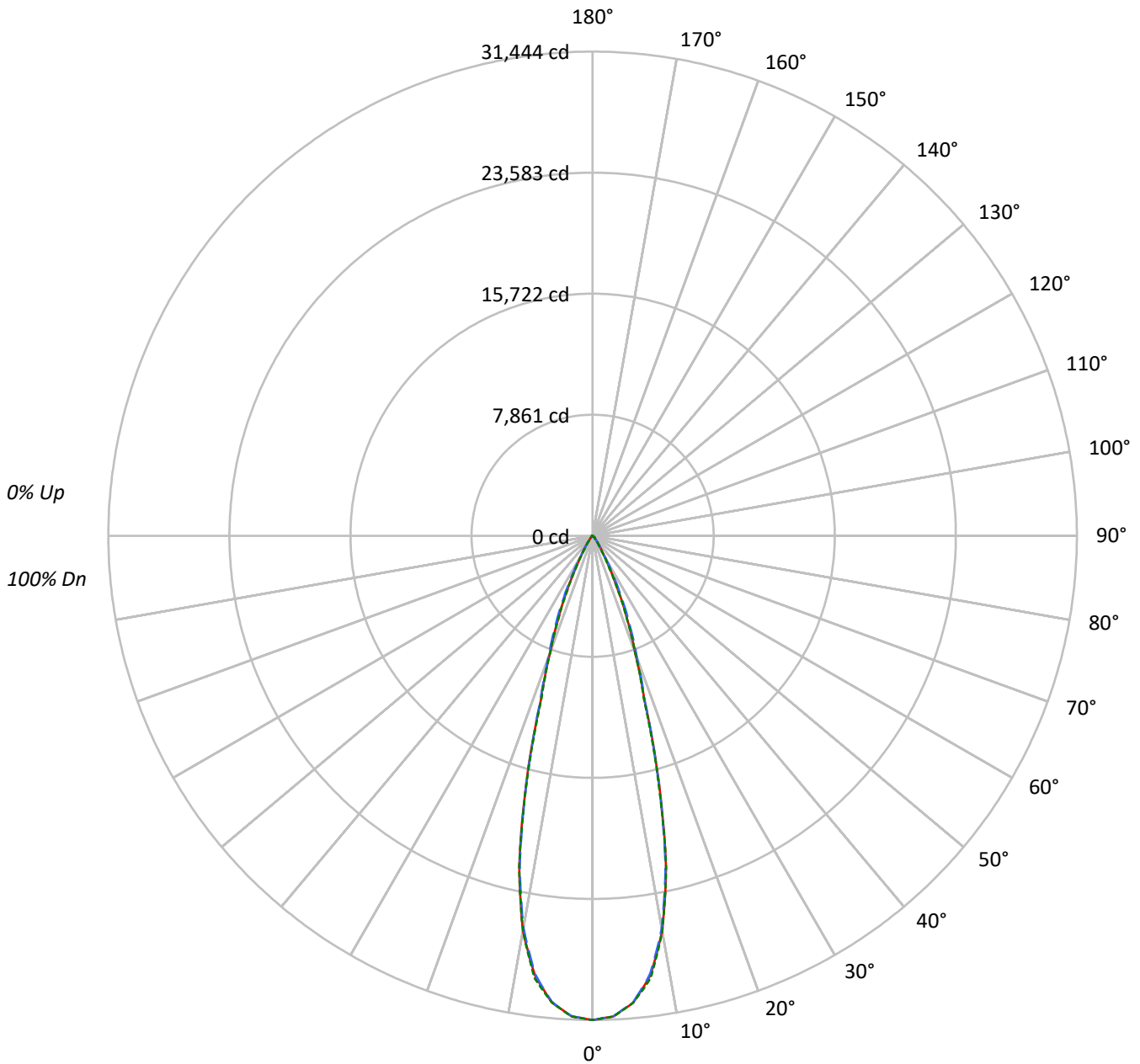
Input Watts (W): 99.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P774246

CATALOG NUMBER: LD6D95BD010-EU6DR3070959050-6LBSQW1MW

Luminous Intensity Polar Plot





TEST NUMBER: P774246

CATALOG NUMBER: LD6D95BD010-EU6DR3070959050-6LBSQW1MW

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°	2406846	2406846	2406846
5°	2337752	2335024	2337875
10°	2024848	2010570	2024366
15°	1321117	1314017	1307408
20°	656925	681573	656045
25°	330917	373162	324135
30°	132489	144359	115439
35°	61457	58859	49337
40°	26529	29466	24990
45°	18716	23230	18879
50°	6430	16909	6799
55°	3710	7006	3910
60°	2602	3077	2602
65°	1684	1684	1684
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: 23230 cd/sqm



TEST NUMBER: P774246

CATALOG NUMBER: LD6D95BD010-EU6DR3070959050-6LBSQW1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2765.0	28.3
10°-20°	4453.1	45.5
20°-30°	1924.3	19.7
30°-40°	438.6	4.5
40°-50°	150.6	1.5
50°-60°	36.8	0.4
60°-70°	9.6	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°	9142.5	93.5
0°-40°	9581.1	98.0
0°-60°	9768.5	99.9
0°-90°	9779.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9779.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	31444	31444	31444	31444	31444	
5°	30425	30396	30390	30453	30427	2767
15°	16672	16471	16582	16528	16499	4464
25°	3918	4066	4418	3963	3838	1876
35°	658	672	630	625	528	446
45°	173	215	215	215	174	123
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



TEST NUMBER: P774246

CATALOG NUMBER: LD6D95BD010-EU6DR3070959050-6LBSQW1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	31444.2	31444.2	31444.2	31444.2	31444.2
2.5°	31235.8	31214.2	31226.5	31242.0	31248.2
5°	30425.3	30396.0	30389.8	30453.1	30426.9
7.5°	28790.4	28748.7	28685.4	28829.0	28963.3
10°	26051.7	26005.4	25868.0	25935.9	26045.5
12.5°	22008.5	21858.7	21855.7	22071.8	22042.5
15°	16671.6	16470.9	16582.0	16528.0	16498.6
17.5°	11211.1	11133.9	11282.1	11237.4	11044.4
20°	8064.8	8084.9	8367.4	8225.4	8054.0
22.5°	5885.0	5957.5	6292.5	5926.7	5792.4
25°	3918.2	4066.4	4418.4	3962.9	3837.9
27.5°	2409.9	2477.8	2834.4	2379.0	2311.1
30°	1499.0	1465.1	1633.3	1401.8	1306.1
32.5°	983.4	940.2	994.2	892.3	815.1
35°	657.7	671.6	629.9	625.2	528.0
37.5°	410.7	472.4	416.8	444.6	339.6
40°	265.5	342.7	294.9	325.7	250.1
42.5°	217.7	264.0	242.4	257.8	222.3
45°	172.9	214.6	214.6	214.6	174.4
47.5°	95.7	143.6	183.7	146.7	101.9
50°	54.0	72.6	142.0	75.6	57.1
52.5°	37.1	41.7	97.3	43.2	38.6
55°	27.8	29.3	52.5	30.9	29.3
57.5°	21.6	23.2	27.8	23.2	21.6
60°	17.0	17.0	20.1	18.5	17.0
62.5°	12.4	12.4	13.9	12.4	12.4
65°	9.3	9.3	9.3	9.3	9.3
67.5°	4.6	6.2	6.2	6.2	6.2
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



Report Generated By 670245859 / DESKTOP-T8S5UU9

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

Scaled Data Report





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

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

Scaled Data Report



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

Scaled Data Report



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

Scaled Data Report



(END OF REPORT)