

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: CORELITE

Report Number: P1428497

Luminaire Tested: SQ2W-WBM-0U-100D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428497
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-WBM-0U-100D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - WHITE DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT N/A - DIRECT ONLY
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

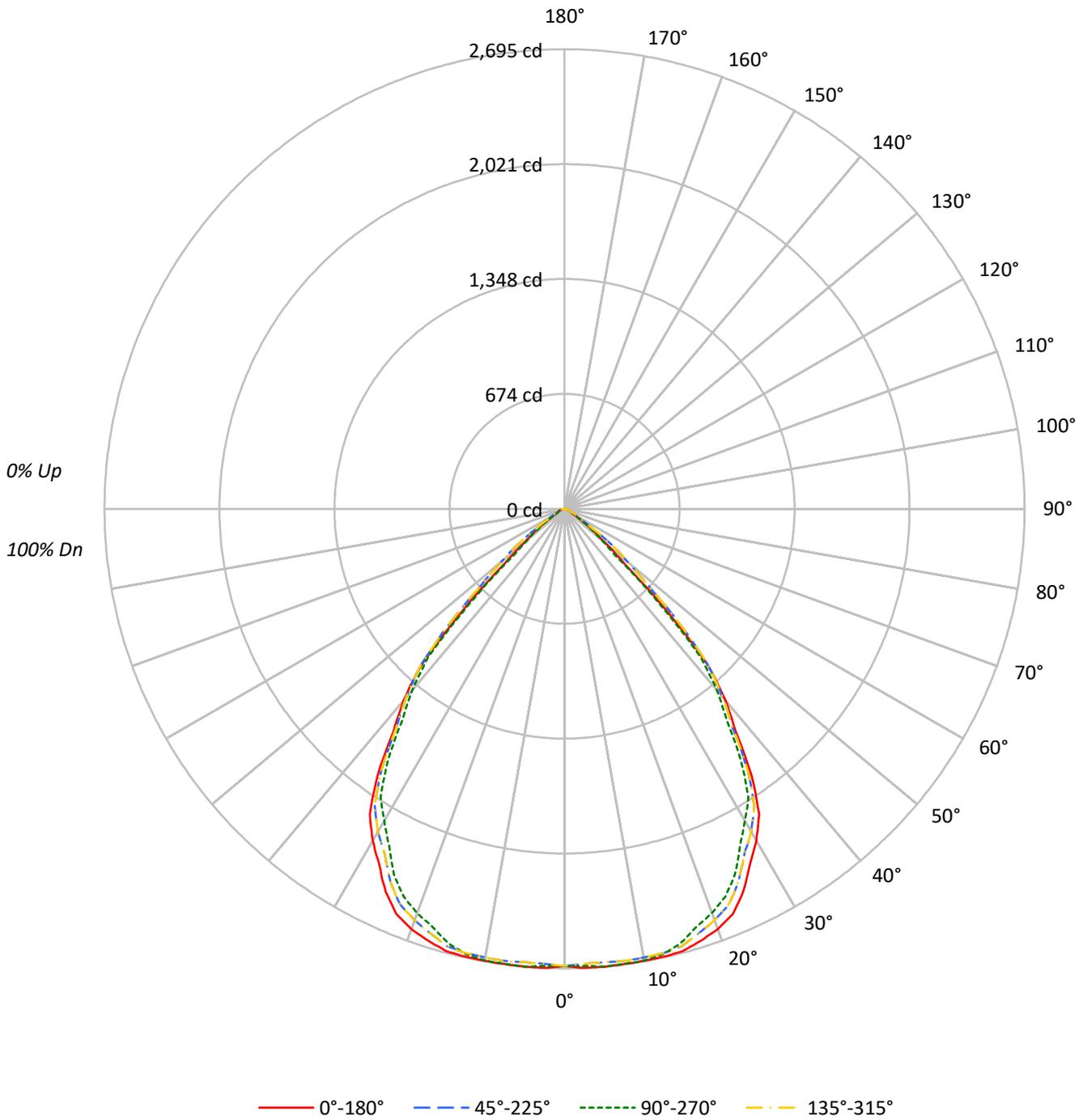
Lumens per Lamp: N/A
Luminaire Lumens: 4193.4 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 38.1
Input Voltage (V): 120
Input Current (A_{in}): 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: P1428497

CATALOG NUMBER: SQ2W-WBM-0U-100D-L930-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428497

CATALOG NUMBER: SQ2W-WBM-OU-100D-L930-UNV-STD-W-WM-4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					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				100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91				91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83				83
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75				75
4	93	84	78	73	91	83	77	72	81	75	71	79	74	70	77	73	70	68				68
5	87	77	70	65	85	76	70	65	74	69	65	73	68	64	71	67	63	62				62
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56				56
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51				51
8	72	61	54	49	71	61	54	49	59	53	49	58	53	49	57	52	49	47				47
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43				43
10	64	53	46	42	63	53	46	42	52	46	42	51	45	42	50	45	41	40				40

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	43285	43285	43285	43285
5°	43678	43657	43678	43657
10°	44121	44100	44121	44100
15°	44853	44059	44853	44059
20°	45068	43346	45068	43346
25°	44141	42126	44141	42126
30°	41882	39390	41882	39390
35°	37668	35539	37668	35539
40°	30879	29254	30879	29254
45°	19308	18134	19308	18134
50°	7553	6907	7553	6907
55°	3727	3690	3727	3690
60°	1744	1576	1744	1576
65°	1570	1475	1570	1475
70°	1515	1454	1515	1454
75°	1522	1360	1522	1360
80°	1432	1311	1432	1311
85°	1426	1186	1426	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°
 Vertical Angle: 45°
 Luminance: 21979 cd/sqm



TEST NUMBER: P1428497

CATALOG NUMBER: SQ2W-WBM-0U-100D-L930-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.3	6.1
10°-20°	749.5	17.9
20°-30°	1108.2	26.4
30°-40°	1146.6	27.3
40°-50°	689.7	16.4
50°-60°	164.9	3.9
60°-70°	45.1	1.1
70°-80°	25.2	0.6
80°-90°	8.0	0.2
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°	2114.0	50.4
0°-40°	3260.6	77.8
0°-60°	4115.2	98.1
0°-90°	4193.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4193.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2681	2681	2681	2681	2681	
5°	2695	2694	2695	2694	2695	257
15°	2683	2636	2683	2636	2683	756
25°	2478	2365	2478	2365	2478	1133
35°	1911	1803	1911	1803	1911	1173
45°	846	794	846	794	846	654
55°	132	131	132	131	132	133
65°	41	39	41	39	41	41
75°	24	22	24	22	24	25
85°	8	6	8	6	8	8
90°	0	0	0	0	0	



TEST NUMBER: P1428497

CATALOG NUMBER: SQ2W-WBM-OU-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9
2.5°	2694.2	2691.0	2687.8	2679.8	2670.2	2670.5	2680.5	2687.5	2685.2	2682.9	2685.2
5°	2695.0	2691.0	2687.0	2677.9	2667.0	2669.6	2685.6	2697.2	2695.4	2693.7	2695.4
7.5°	2692.2	2690.5	2688.8	2682.1	2673.7	2675.6	2687.7	2696.2	2693.5	2690.9	2693.5
10°	2691.2	2691.7	2692.3	2683.4	2671.4	2671.7	2684.3	2693.3	2691.6	2689.9	2691.6
12.5°	2690.1	2694.8	2699.5	2687.6	2670.1	2666.3	2676.1	2682.4	2678.4	2674.4	2678.4
15°	2683.4	2692.6	2701.7	2685.6	2661.0	2648.7	2648.7	2647.3	2641.6	2635.9	2641.6
17.5°	2654.9	2665.8	2676.6	2654.7	2622.0	2601.2	2592.4	2584.0	2577.1	2570.1	2577.1
20°	2623.0	2633.9	2644.7	2618.8	2580.5	2554.2	2539.9	2528.5	2525.7	2522.8	2525.7
22.5°	2572.7	2584.4	2596.2	2568.4	2527.4	2499.0	2483.4	2470.5	2465.8	2461.1	2465.8
25°	2477.8	2487.0	2496.1	2467.1	2425.4	2398.8	2387.4	2377.3	2371.0	2364.7	2371.0
27.5°	2351.4	2356.4	2361.4	2333.4	2294.3	2268.2	2255.2	2243.3	2234.6	2225.9	2234.6
30°	2246.5	2248.8	2251.1	2228.5	2197.6	2173.7	2156.5	2140.2	2126.5	2112.8	2126.5
32.5°	2122.1	2124.4	2126.6	2106.8	2079.6	2057.9	2041.7	2026.8	2015.8	2004.9	2015.8
35°	1911.1	1909.9	1908.8	1896.1	1879.5	1861.8	1842.9	1825.9	1814.5	1803.1	1814.5
37.5°	1647.1	1648.7	1650.3	1640.8	1627.7	1613.7	1598.8	1584.8	1573.3	1561.7	1573.3
40°	1465.1	1466.2	1467.4	1459.5	1448.7	1432.4	1410.7	1393.7	1390.8	1388.0	1390.8
42.5°	1243.0	1260.2	1277.3	1270.4	1255.4	1239.6	1222.9	1207.0	1193.7	1180.3	1193.7
45°	845.6	897.6	949.6	962.6	962.6	952.6	932.6	903.9	849.1	794.2	849.1
47.5°	477.6	536.7	595.9	634.8	666.9	653.2	593.8	532.6	466.0	399.4	466.0
50°	300.7	340.7	380.7	430.5	483.7	469.1	386.8	319.6	297.3	275.0	297.3
52.5°	213.3	233.7	254.0	301.0	356.9	350.1	280.6	225.6	213.8	202.0	213.8
55°	132.4	139.8	147.2	170.1	198.1	196.3	164.9	140.2	135.7	131.1	135.7
57.5°	78.7	86.3	94.0	104.1	115.1	115.1	104.1	94.1	86.9	79.7	86.9
60°	54.0	60.3	66.5	75.0	84.1	83.0	71.5	61.4	55.1	48.8	55.1
62.5°	46.8	49.4	52.0	58.5	66.3	65.6	56.5	49.1	46.9	44.7	46.9
65°	41.1	41.7	42.3	42.8	43.4	43.1	42.0	40.8	39.7	38.6	39.7
67.5°	36.2	36.8	37.4	37.2	36.7	36.4	36.3	36.0	35.0	33.9	35.0
70°	32.1	32.7	33.3	33.4	33.4	33.1	32.6	32.0	31.4	30.8	31.4
72.5°	29.0	29.6	30.2	30.0	29.5	29.2	29.1	28.8	27.8	26.7	27.8
75°	24.4	24.4	24.4	24.4	24.4	24.1	23.6	23.0	22.4	21.8	22.4
77.5°	18.5	19.1	19.6	19.4	18.8	18.5	18.5	18.4	17.8	17.2	17.8
80°	15.4	16.0	16.6	16.3	15.7	15.4	15.4	15.3	14.7	14.1	14.7
82.5°	12.3	12.5	12.6	12.5	12.4	12.3	12.3	12.2	11.6	11.1	11.6
85°	7.7	7.7	7.7	7.3	6.7	6.4	6.4	6.4	6.4	6.4	6.4
87.5°	2.1	2.5	3.0	2.7	2.3	2.1	2.1	2.1	2.1	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1428497

CATALOG NUMBER: SQ2W-WBM-OU-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9
2.5°	2687.5	2680.5	2670.5	2670.2	2679.8	2687.8	2691.0	2694.2	2691.0	2687.8	2679.8
5°	2697.2	2685.6	2669.6	2667.0	2677.9	2687.0	2691.0	2695.0	2691.0	2687.0	2677.9
7.5°	2696.2	2687.7	2675.6	2673.7	2682.1	2688.8	2690.5	2692.2	2690.5	2688.8	2682.1
10°	2693.3	2684.3	2671.7	2671.4	2683.4	2692.3	2691.7	2691.2	2691.7	2692.3	2683.4
12.5°	2682.4	2676.1	2666.3	2670.1	2687.6	2699.5	2694.8	2690.1	2694.8	2699.5	2687.6
15°	2647.3	2648.7	2648.7	2661.0	2685.6	2701.7	2692.6	2683.4	2692.6	2701.7	2685.6
17.5°	2584.0	2592.4	2601.2	2622.0	2654.7	2676.6	2665.8	2654.9	2665.8	2676.6	2654.7
20°	2528.5	2539.9	2554.2	2580.5	2618.8	2644.7	2633.9	2623.0	2633.9	2644.7	2618.8
22.5°	2470.5	2483.4	2499.0	2527.4	2568.4	2596.2	2584.4	2572.7	2584.4	2596.2	2568.4
25°	2377.3	2387.4	2398.8	2425.4	2467.1	2496.1	2487.0	2477.8	2487.0	2496.1	2467.1
27.5°	2243.3	2255.2	2268.2	2294.3	2333.4	2361.4	2356.4	2351.4	2356.4	2361.4	2333.4
30°	2140.2	2156.5	2173.7	2197.6	2228.5	2251.1	2248.8	2246.5	2248.8	2251.1	2228.5
32.5°	2026.8	2041.7	2057.9	2079.6	2106.8	2126.6	2124.4	2122.1	2124.4	2126.6	2106.8
35°	1825.9	1842.9	1861.8	1879.5	1896.1	1908.8	1909.9	1911.1	1909.9	1908.8	1896.1
37.5°	1584.8	1598.8	1613.7	1627.7	1640.8	1650.3	1648.7	1647.1	1648.7	1650.3	1640.8
40°	1393.7	1410.7	1432.4	1448.7	1459.5	1467.4	1466.2	1465.1	1466.2	1467.4	1459.5
42.5°	1207.0	1222.9	1239.6	1255.4	1270.4	1277.3	1260.2	1243.0	1260.2	1277.3	1270.4
45°	903.9	932.6	952.6	962.6	962.6	949.6	897.6	845.6	897.6	949.6	962.6
47.5°	532.6	593.8	653.2	666.9	634.8	595.9	536.7	477.6	536.7	595.9	634.8
50°	319.6	386.8	469.1	483.7	430.5	380.7	340.7	300.7	340.7	380.7	430.5
52.5°	225.6	280.6	350.1	356.9	301.0	254.0	233.7	213.3	233.7	254.0	301.0
55°	140.2	164.9	196.3	198.1	170.1	147.2	139.8	132.4	139.8	147.2	170.1
57.5°	94.1	104.1	115.1	115.1	104.1	94.0	86.3	78.7	86.3	94.0	104.1
60°	61.4	71.5	83.0	84.1	75.0	66.5	60.3	54.0	60.3	66.5	75.0
62.5°	49.1	56.5	65.6	66.3	58.5	52.0	49.4	46.8	49.4	52.0	58.5
65°	40.8	42.0	43.1	43.4	42.8	42.3	41.7	41.1	41.7	42.3	42.8
67.5°	36.0	36.3	36.4	36.7	37.2	37.4	36.8	36.2	36.8	37.4	37.2
70°	32.0	32.6	33.1	33.4	33.4	33.3	32.7	32.1	32.7	33.3	33.4
72.5°	28.8	29.1	29.2	29.5	30.0	30.2	29.6	29.0	29.6	30.2	30.0
75°	23.0	23.6	24.1	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
77.5°	18.4	18.5	18.5	18.8	19.4	19.6	19.1	18.5	19.1	19.6	19.4
80°	15.3	15.4	15.4	15.7	16.3	16.6	16.0	15.4	16.0	16.6	16.3
82.5°	12.2	12.3	12.3	12.4	12.5	12.6	12.5	12.3	12.5	12.6	12.5
85°	6.4	6.4	6.4	6.7	7.3	7.7	7.7	7.7	7.7	7.7	7.3
87.5°	2.1	2.1	2.1	2.3	2.7	3.0	2.5	2.1	2.5	3.0	2.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1428497

CATALOG NUMBER: SQ2W-WBM-OU-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9	2680.9
2.5°	2670.2	2670.5	2680.5	2687.5	2685.2	2682.9	2685.2	2687.5	2680.5	2670.5	2670.2
5°	2667.0	2669.6	2685.6	2697.2	2695.4	2693.7	2695.4	2697.2	2685.6	2669.6	2667.0
7.5°	2673.7	2675.6	2687.7	2696.2	2693.5	2690.9	2693.5	2696.2	2687.7	2675.6	2673.7
10°	2671.4	2671.7	2684.3	2693.3	2691.6	2689.9	2691.6	2693.3	2684.3	2671.7	2671.4
12.5°	2670.1	2666.3	2676.1	2682.4	2678.4	2674.4	2678.4	2682.4	2676.1	2666.3	2670.1
15°	2661.0	2648.7	2648.7	2647.3	2641.6	2635.9	2641.6	2647.3	2648.7	2648.7	2661.0
17.5°	2622.0	2601.2	2592.4	2584.0	2577.1	2570.1	2577.1	2584.0	2592.4	2601.2	2622.0
20°	2580.5	2554.2	2539.9	2528.5	2525.7	2522.8	2525.7	2528.5	2539.9	2554.2	2580.5
22.5°	2527.4	2499.0	2483.4	2470.5	2465.8	2461.1	2465.8	2470.5	2483.4	2499.0	2527.4
25°	2425.4	2398.8	2387.4	2377.3	2371.0	2364.7	2371.0	2377.3	2387.4	2398.8	2425.4
27.5°	2294.3	2268.2	2255.2	2243.3	2234.6	2225.9	2234.6	2243.3	2255.2	2268.2	2294.3
30°	2197.6	2173.7	2156.5	2140.2	2126.5	2112.8	2126.5	2140.2	2156.5	2173.7	2197.6
32.5°	2079.6	2057.9	2041.7	2026.8	2015.8	2004.9	2015.8	2026.8	2041.7	2057.9	2079.6
35°	1879.5	1861.8	1842.9	1825.9	1814.5	1803.1	1814.5	1825.9	1842.9	1861.8	1879.5
37.5°	1627.7	1613.7	1598.8	1584.8	1573.3	1561.7	1573.3	1584.8	1598.8	1613.7	1627.7
40°	1448.7	1432.4	1410.7	1393.7	1390.8	1388.0	1390.8	1393.7	1410.7	1432.4	1448.7
42.5°	1255.4	1239.6	1222.9	1207.0	1193.7	1180.3	1193.7	1207.0	1222.9	1239.6	1255.4
45°	962.6	952.6	932.6	903.9	849.1	794.2	849.1	903.9	932.6	952.6	962.6
47.5°	666.9	653.2	593.8	532.6	466.0	399.4	466.0	532.6	593.8	653.2	666.9
50°	483.7	469.1	386.8	319.6	297.3	275.0	297.3	319.6	386.8	469.1	483.7
52.5°	356.9	350.1	280.6	225.6	213.8	202.0	213.8	225.6	280.6	350.1	356.9
55°	198.1	196.3	164.9	140.2	135.7	131.1	135.7	140.2	164.9	196.3	198.1
57.5°	115.1	115.1	104.1	94.1	86.9	79.7	86.9	94.1	104.1	115.1	115.1
60°	84.1	83.0	71.5	61.4	55.1	48.8	55.1	61.4	71.5	83.0	84.1
62.5°	66.3	65.6	56.5	49.1	46.9	44.7	46.9	49.1	56.5	65.6	66.3
65°	43.4	43.1	42.0	40.8	39.7	38.6	39.7	40.8	42.0	43.1	43.4
67.5°	36.7	36.4	36.3	36.0	35.0	33.9	35.0	36.0	36.3	36.4	36.7
70°	33.4	33.1	32.6	32.0	31.4	30.8	31.4	32.0	32.6	33.1	33.4
72.5°	29.5	29.2	29.1	28.8	27.8	26.7	27.8	28.8	29.1	29.2	29.5
75°	24.4	24.1	23.6	23.0	22.4	21.8	22.4	23.0	23.6	24.1	24.4
77.5°	18.8	18.5	18.5	18.4	17.8	17.2	17.8	18.4	18.5	18.5	18.8
80°	15.7	15.4	15.4	15.3	14.7	14.1	14.7	15.3	15.4	15.4	15.7
82.5°	12.4	12.3	12.3	12.2	11.6	11.1	11.6	12.2	12.3	12.3	12.4
85°	6.7	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.7
87.5°	2.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1428497

CATALOG NUMBER: SQ2W-WBM-0U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2680.9	2680.9	2680.9	2680.9
2.5°	2679.8	2687.8	2691.0	2694.2
5°	2677.9	2687.0	2691.0	2695.0
7.5°	2682.1	2688.8	2690.5	2692.2
10°	2683.4	2692.3	2691.7	2691.2
12.5°	2687.6	2699.5	2694.8	2690.1
15°	2685.6	2701.7	2692.6	2683.4
17.5°	2654.7	2676.6	2665.8	2654.9
20°	2618.8	2644.7	2633.9	2623.0
22.5°	2568.4	2596.2	2584.4	2572.7
25°	2467.1	2496.1	2487.0	2477.8
27.5°	2333.4	2361.4	2356.4	2351.4
30°	2228.5	2251.1	2248.8	2246.5
32.5°	2106.8	2126.6	2124.4	2122.1
35°	1896.1	1908.8	1909.9	1911.1
37.5°	1640.8	1650.3	1648.7	1647.1
40°	1459.5	1467.4	1466.2	1465.1
42.5°	1270.4	1277.3	1260.2	1243.0
45°	962.6	949.6	897.6	845.6
47.5°	634.8	595.9	536.7	477.6
50°	430.5	380.7	340.7	300.7
52.5°	301.0	254.0	233.7	213.3
55°	170.1	147.2	139.8	132.4
57.5°	104.1	94.0	86.3	78.7
60°	75.0	66.5	60.3	54.0
62.5°	58.5	52.0	49.4	46.8
65°	42.8	42.3	41.7	41.1
67.5°	37.2	37.4	36.8	36.2
70°	33.4	33.3	32.7	32.1
72.5°	30.0	30.2	29.6	29.0
75°	24.4	24.4	24.4	24.4
77.5°	19.4	19.6	19.1	18.5
80°	16.3	16.6	16.0	15.4
82.5°	12.5	12.6	12.5	12.3
85°	7.3	7.7	7.7	7.7
87.5°	2.7	3.0	2.5	2.1
90°	0.0	0.0	0.0	0.0



TEST NUMBER: P1428497
 CATALOG NUMBER: SQ2W-WBM-0U-100D-L930-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	9.22	10.40	9.58	10.71	11.03	9.20	10.38	9.57	10.69	11.01
	3H	9.93	10.97	10.32	11.30	11.67	9.85	10.89	10.23	11.22	11.59
	4H	10.31	11.27	10.72	11.63	12.01	10.18	11.14	10.58	11.49	11.87
	6H	10.60	11.48	11.02	11.85	12.25	10.42	11.30	10.84	11.67	12.07
	8H	10.73	11.56	11.16	11.95	12.36	10.53	11.36	10.96	11.75	12.16
	12H	10.82	11.61	11.25	11.99	12.42	10.59	11.38	11.02	11.76	12.19
4H	2H	9.36	10.32	9.76	10.67	11.06	9.34	10.30	9.75	10.65	11.04
	3H	10.33	11.10	10.74	11.51	11.91	10.24	11.02	10.66	11.42	11.83
	4H	10.84	11.53	11.27	11.95	12.39	10.69	11.38	11.13	11.80	12.25
	6H	11.28	11.87	11.74	12.32	12.79	11.08	11.67	11.55	12.12	12.59
	8H	11.46	12.02	11.94	12.47	12.94	11.24	11.79	11.71	12.24	12.72
	12H	11.60	12.09	12.09	12.57	13.05	11.34	11.83	11.83	12.31	12.79
8H	4H	10.96	11.52	11.44	11.97	12.44	10.83	11.38	11.30	11.83	12.31
	6H	11.54	11.99	12.05	12.49	12.97	11.35	11.80	11.86	12.30	12.78
	8H	11.82	12.22	12.35	12.74	13.24	11.60	12.01	12.13	12.53	13.02
	12H	12.05	12.41	12.57	12.90	13.48	11.78	12.14	12.30	12.64	13.21
12H	4H	10.96	11.44	11.45	11.93	12.40	10.83	11.31	11.32	11.80	12.28
	6H	11.57	11.97	12.09	12.49	12.98	11.38	11.79	11.91	12.31	12.80
	8H	11.90	12.26	12.42	12.76	13.33	11.70	12.05	12.21	12.55	13.13