

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: P1428557

Luminaire Tested: SQ2W-WBM-K-125U-100D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428557
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-K-125U-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 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

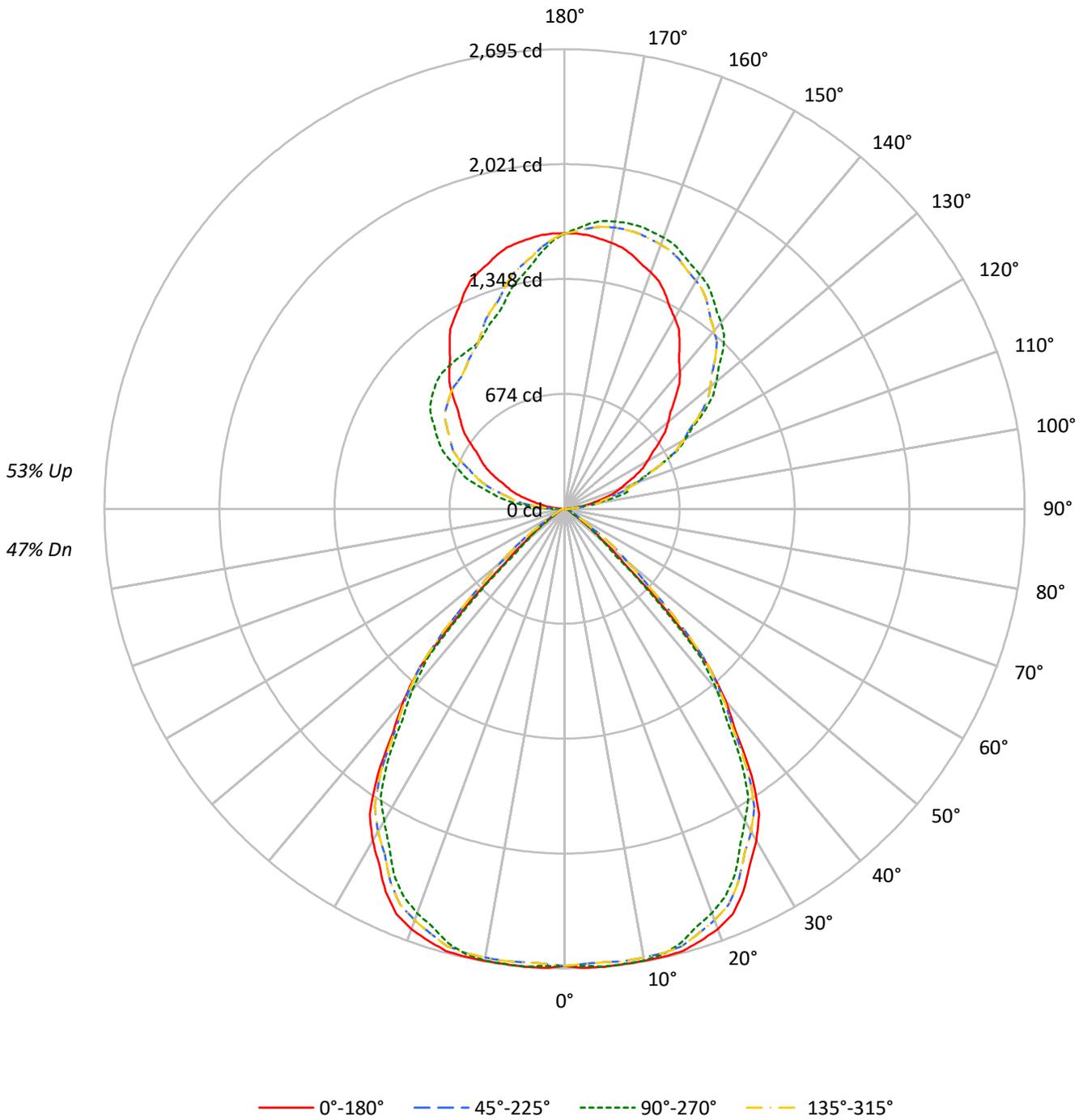
Lumens per Lamp: N/A
Luminaire Lumens: 8914.8 lumens
Efficiency: N/A
Efficacy: 108.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 82.1
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

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Luminous Intensity Polar Plot





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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	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53	47				47
1	99	95	92	89	91	88	85	83	74	72	70	61	60	59	50	49	48				43	
2	91	85	80	76	84	79	74	71	67	64	61	56	54	52	46	45	44				39	
3	85	77	70	65	78	71	66	61	61	57	54	51	49	46	43	41	39				35	
4	78	69	62	57	72	64	58	54	55	51	47	47	44	41	39	37	35				32	
5	73	62	55	50	67	58	52	47	50	46	42	43	40	37	36	34	32				29	
6	67	57	50	44	62	53	47	42	46	41	38	40	36	33	34	31	29				26	
7	63	52	45	40	58	49	42	38	42	38	34	37	33	30	31	29	27				24	
8	59	47	40	36	54	45	38	34	39	34	31	34	30	28	29	26	24				22	
9	55	44	37	32	51	41	35	31	36	31	28	31	28	25	27	24	22				20	
10	51	40	34	29	48	38	32	28	33	29	26	29	26	23	25	23	21				19	

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.3	2.9
10°-20°	749.5	8.4
20°-30°	1108.2	12.4
30°-40°	1146.6	12.9
40°-50°	689.7	7.7
50°-60°	164.9	1.8
60°-70°	45.1	0.5
70°-80°	25.2	0.3
80°-90°	14.6	0.2
90°-100°	128.5	1.4
100°-110°	374.8	4.2
110°-120°	611.6	6.9
120°-130°	776.1	8.7
130°-140°	830.4	9.3
140°-150°	775.4	8.7
150°-160°	638.1	7.2
160°-170°	427.9	4.8
170°-180°	151.9	1.7
0°-30°	2114.0	23.7
0°-40°	3260.6	36.6
0°-60°	4115.2	46.2
0°-90°	4200.1	47.1
90°-120°	1114.9	12.5
90°-150°	3496.8	39.2
90°-180°	4715.0	52.9
0°-180°	8914.8	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°	5	36	5	70	5	4
95°	51	38	51	220	51	61
105°	238	382	238	525	238	253
115°	457	633	457	780	457	450
125°	675	1003	675	956	675	604
135°	918	1313	918	1058	918	710
145°	1173	1514	1173	1081	1173	734
155°	1393	1644	1393	1122	1393	640
165°	1540	1714	1540	1292	1540	433
175°	1610	1678	1610	1515	1610	153
180°	1615	1615	1615	1615	1615	



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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°	3.0	4.8	6.9	8.0	8.5	8.6	8.6	8.9	9.2	9.2	9.2
90°	4.9	11.4	19.6	26.1	31.0	32.6	32.6	34.3	35.9	35.9	35.9
92.5°	17.9	28.4	28.7	28.7	34.9	37.8	40.4	40.8	42.4	42.4	42.4
95°	50.6	55.5	83.2	81.6	55.5	44.0	37.5	37.5	37.5	37.5	37.5
97.5°	96.6	103.7	108.3	145.2	153.3	148.1	120.7	101.5	90.7	85.8	90.7
100°	137.0	140.3	150.1	151.7	192.5	231.6	212.0	187.6	179.4	174.5	179.4
102.5°	177.5	179.4	194.4	201.3	210.7	232.9	300.8	293.3	287.7	286.7	287.7
105°	238.1	239.8	267.5	280.5	287.1	287.1	285.4	318.1	370.2	381.7	370.2
107.5°	303.0	310.5	343.2	378.1	385.6	387.5	379.1	374.2	372.2	373.5	372.2
110°	347.4	358.8	398.0	442.0	453.4	456.7	453.4	448.5	445.3	445.3	445.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	390.5	407.1	451.5	502.0	521.3	531.1	523.9	520.3	517.0	519.6	517.0
115°	456.7	481.2	539.9	592.1	631.2	636.1	634.5	634.5	632.8	632.8	632.8
117.5°	518.0	557.2	623.1	683.7	729.1	742.1	748.6	746.7	744.7	748.0	744.7
120°	561.1	606.7	681.8	750.3	794.3	813.9	820.4	817.1	820.4	817.1	820.4
122.5°	606.7	662.9	736.6	807.7	859.6	881.7	889.6	890.2	890.9	888.9	890.9
125°	675.2	743.8	830.2	903.6	957.4	983.5	990.0	991.7	994.9	1003.1	994.9
127.5°	744.4	822.0	917.0	987.8	1042.9	1074.5	1084.6	1088.2	1095.1	1098.7	1095.1
130°	792.7	880.8	977.0	1043.9	1097.7	1131.9	1149.9	1154.8	1162.9	1161.3	1162.9
132.5°	843.6	935.6	1033.1	1102.6	1152.5	1189.3	1204.7	1218.7	1221.6	1223.9	1221.6
135°	918.3	1017.8	1115.6	1184.1	1231.4	1267.3	1286.9	1299.9	1308.1	1313.0	1308.1
137.5°	996.9	1101.9	1195.9	1256.9	1304.5	1335.5	1357.7	1371.4	1379.9	1383.8	1379.9
140°	1050.4	1151.5	1242.8	1306.5	1348.9	1379.9	1399.4	1415.7	1425.5	1425.5	1425.5
142.5°	1101.3	1201.1	1289.8	1353.4	1390.6	1419.0	1439.9	1452.3	1463.4	1463.4	1463.4
145°	1172.7	1272.2	1353.8	1417.4	1448.4	1474.5	1497.3	1507.1	1513.6	1513.6	1513.6
147.5°	1247.4	1335.5	1409.9	1470.9	1497.0	1527.6	1545.6	1553.4	1561.6	1558.0	1561.6
150°	1291.8	1373.3	1445.1	1502.2	1528.3	1557.6	1575.6	1582.1	1590.3	1585.4	1590.3
152.5°	1334.8	1412.5	1477.7	1530.9	1553.1	1582.4	1603.0	1609.5	1615.0	1611.5	1615.0
155°	1392.9	1461.4	1521.8	1570.7	1590.3	1618.0	1637.6	1645.7	1652.2	1644.1	1652.2
157.5°	1444.8	1503.8	1556.3	1601.3	1622.2	1646.0	1664.3	1674.4	1680.9	1677.4	1680.9
160°	1476.1	1529.9	1577.2	1619.6	1639.2	1660.4	1680.0	1691.4	1697.9	1693.0	1697.9
162.5°	1502.2	1550.8	1595.5	1634.0	1650.9	1669.5	1693.0	1703.1	1709.6	1703.5	1709.6
165°	1539.7	1578.8	1618.0	1650.6	1665.3	1680.0	1704.4	1715.8	1720.7	1714.2	1720.7
167.5°	1568.1	1598.1	1629.7	1657.8	1668.5	1682.9	1707.4	1716.8	1723.0	1714.9	1723.0
170°	1583.7	1609.8	1637.6	1660.4	1668.5	1681.6	1706.1	1714.2	1719.1	1711.0	1719.1
172.5°	1596.8	1616.4	1638.9	1659.1	1663.3	1673.8	1696.9	1705.1	1708.7	1701.8	1708.7
175°	1609.8	1621.2	1637.6	1650.6	1649.0	1655.5	1675.1	1681.6	1688.1	1678.3	1688.1
177.5°	1616.0	1621.2	1626.5	1634.3	1629.1	1629.1	1643.4	1647.3	1648.6	1643.4	1648.6
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



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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°	8.9	8.6	8.6	8.5	8.0	6.9	4.8	3.0	4.8	6.6	8.6
90°	34.3	32.6	32.6	31.0	26.1	19.6	11.4	4.9	11.4	17.9	29.4
92.5°	40.8	40.4	37.8	34.9	28.7	28.7	28.4	17.9	31.0	44.0	63.3
95°	37.5	37.5	44.0	55.5	81.6	83.2	55.5	50.6	71.8	101.1	127.2
97.5°	101.5	120.7	148.1	153.3	145.2	108.3	103.7	96.6	131.5	160.5	202.6
100°	187.6	212.0	231.6	192.5	151.7	150.1	140.3	137.0	174.5	202.2	243.0
102.5°	293.3	300.8	232.9	210.7	201.3	194.4	179.4	177.5	215.0	253.1	287.4
105°	318.1	285.4	287.1	287.1	280.5	267.5	239.8	238.1	280.5	324.6	367.0
107.5°	374.2	379.1	387.5	385.6	378.1	343.2	310.5	303.0	341.2	394.1	440.7
110°	448.5	453.4	456.7	453.4	442.0	398.0	358.8	347.4	381.7	437.1	487.7



TEST NUMBER: P1428557

CATALOG NUMBER: SQ2W-WBM-K-125U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	520.3	523.9	531.1	521.3	502.0	451.5	407.1	390.5	424.7	481.5	533.3
115°	634.5	634.5	636.1	631.2	592.1	539.9	481.2	456.7	486.0	538.2	595.3
117.5°	746.7	748.6	742.1	729.1	683.7	623.1	557.2	518.0	541.2	596.3	655.0
120°	817.1	820.4	813.9	794.3	750.3	681.8	606.7	561.1	579.0	632.8	691.6
122.5°	890.2	889.6	881.7	859.6	807.7	736.6	662.9	606.7	614.2	664.2	721.6
125°	991.7	990.0	983.5	957.4	903.6	830.2	743.8	675.2	665.5	707.9	766.6
127.5°	1088.2	1084.6	1074.5	1042.9	987.8	917.0	822.0	744.4	722.5	749.3	803.1
130°	1154.8	1149.9	1131.9	1097.7	1043.9	977.0	880.8	792.7	761.7	778.0	825.3
132.5°	1218.7	1204.7	1189.3	1152.5	1102.6	1033.1	935.6	843.6	800.8	808.0	844.9
135°	1299.9	1286.9	1267.3	1231.4	1184.1	1115.6	1017.8	918.3	859.6	853.0	874.2
137.5°	1371.4	1357.7	1335.5	1304.5	1256.9	1195.9	1101.9	996.9	922.8	901.0	909.1
140°	1415.7	1399.4	1379.9	1348.9	1306.5	1242.8	1151.5	1050.4	967.2	936.2	931.3
142.5°	1452.3	1439.9	1419.0	1390.6	1353.4	1289.8	1201.1	1101.3	1012.9	972.7	961.3
145°	1507.1	1497.3	1474.5	1448.4	1417.4	1353.8	1272.2	1172.7	1084.6	1032.4	1008.0
147.5°	1553.4	1545.6	1527.6	1497.0	1470.9	1409.9	1335.5	1247.4	1157.1	1092.5	1060.8
150°	1582.1	1575.6	1557.6	1528.3	1502.2	1445.1	1373.3	1291.8	1205.3	1136.8	1096.1
152.5°	1609.5	1603.0	1582.4	1553.1	1530.9	1477.7	1412.5	1334.8	1247.1	1178.6	1136.5
155°	1645.7	1637.6	1618.0	1590.3	1570.7	1521.8	1461.4	1392.9	1317.9	1246.1	1198.8
157.5°	1674.4	1664.3	1646.0	1622.2	1601.3	1556.3	1503.8	1444.8	1379.2	1310.7	1262.4
160°	1691.4	1680.0	1660.4	1639.2	1619.6	1577.2	1529.9	1476.1	1415.7	1353.8	1301.6
162.5°	1703.1	1693.0	1669.5	1650.9	1634.0	1595.5	1550.8	1502.2	1448.4	1394.2	1345.9
165°	1715.8	1704.4	1680.0	1665.3	1650.6	1618.0	1578.8	1539.7	1494.0	1450.0	1410.8
167.5°	1716.8	1707.4	1682.9	1668.5	1657.8	1629.7	1598.1	1568.1	1532.5	1497.9	1465.3
170°	1714.2	1706.1	1681.6	1668.5	1660.4	1637.6	1609.8	1583.7	1556.0	1526.6	1500.6
172.5°	1705.1	1696.9	1673.8	1663.3	1659.1	1638.9	1616.4	1596.8	1573.0	1551.4	1530.6
175°	1681.6	1675.1	1655.5	1649.0	1650.6	1637.6	1621.2	1609.8	1595.2	1582.1	1570.7
177.5°	1647.3	1643.4	1629.1	1629.1	1634.3	1626.5	1621.2	1616.0	1609.5	1605.6	1601.7
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1428557

CATALOG NUMBER: SQ2W-WBM-K-125U-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°	9.8	11.8	14.1	15.4	16.7	16.1	16.7	15.4	14.1	11.8	9.8
90°	37.5	48.9	60.3	66.9	73.4	70.1	73.4	66.9	60.3	48.9	37.5
92.5°	75.4	94.6	108.6	120.4	125.6	124.9	125.6	120.4	108.6	94.6	75.4
95°	151.7	174.5	197.4	213.7	223.5	220.2	223.5	213.7	197.4	174.5	151.7
97.5°	233.9	264.6	290.0	305.3	315.1	321.6	315.1	305.3	290.0	264.6	233.9
100°	288.7	318.1	347.4	365.4	381.7	388.2	381.7	365.4	347.4	318.1	288.7
102.5°	333.1	371.5	403.5	422.8	436.5	443.0	436.5	422.8	403.5	371.5	333.1
105°	406.1	446.9	481.2	505.6	520.3	525.2	520.3	505.6	481.2	446.9	406.1
107.5°	479.2	521.3	552.9	580.0	597.9	608.4	597.9	580.0	552.9	521.3	479.2
110°	536.6	570.9	605.1	629.6	647.5	654.0	647.5	629.6	605.1	570.9	536.6



TEST NUMBER: P1428557

CATALOG NUMBER: SQ2W-WBM-K-125U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	584.9	623.1	657.3	681.8	702.3	711.5	702.3	681.8	657.3	623.1	584.9
115°	652.4	703.0	734.0	756.8	771.5	779.6	771.5	756.8	734.0	703.0	652.4
117.5°	708.5	761.4	795.3	812.9	819.8	825.6	819.8	812.9	795.3	761.4	708.5
120°	743.8	792.7	831.8	854.7	862.8	866.1	862.8	854.7	831.8	792.7	743.8
122.5°	776.4	822.7	860.5	888.6	902.0	905.2	902.0	888.6	860.5	822.7	776.4
125°	822.0	866.1	905.2	933.0	947.6	955.8	947.6	933.0	905.2	866.1	822.0
127.5°	861.8	909.5	945.3	970.5	984.8	991.3	984.8	970.5	945.3	909.5	861.8
130°	884.0	933.0	968.8	996.6	1009.6	1016.1	1009.6	996.6	968.8	933.0	884.0
132.5°	901.0	952.5	989.7	1014.8	1029.2	1035.7	1029.2	1014.8	989.7	952.5	901.0
135°	921.5	975.4	1014.5	1039.0	1052.0	1058.5	1052.0	1039.0	1014.5	975.4	921.5
137.5°	939.5	988.4	1029.2	1055.0	1066.7	1070.9	1066.7	1055.0	1029.2	988.4	939.5
140°	952.5	994.9	1035.7	1060.2	1073.2	1074.9	1073.2	1060.2	1035.7	994.9	952.5
142.5°	969.5	1002.8	1038.3	1062.8	1075.8	1078.8	1075.8	1062.8	1038.3	1002.8	969.5
145°	999.8	1019.4	1043.9	1066.7	1078.1	1081.4	1078.1	1066.7	1043.9	1019.4	999.8
147.5°	1038.0	1044.2	1056.9	1071.9	1083.0	1085.3	1083.0	1071.9	1056.9	1044.2	1038.0
150°	1066.7	1065.1	1070.0	1079.7	1089.5	1087.9	1089.5	1079.7	1070.0	1065.1	1066.7
152.5°	1099.3	1089.9	1089.5	1094.1	1098.7	1098.3	1098.7	1094.1	1089.5	1089.9	1099.3
155°	1154.8	1136.8	1127.0	1123.8	1123.8	1122.2	1123.8	1123.8	1127.0	1136.8	1154.8
157.5°	1215.8	1190.7	1176.0	1168.1	1165.9	1162.3	1165.9	1168.1	1176.0	1190.7	1215.8
160°	1257.5	1229.8	1215.1	1202.1	1197.2	1192.3	1197.2	1202.1	1215.1	1229.8	1257.5
162.5°	1296.7	1270.2	1254.3	1242.5	1237.6	1230.1	1237.6	1242.5	1254.3	1270.2	1296.7
165°	1360.3	1332.6	1314.6	1304.8	1298.3	1291.8	1298.3	1304.8	1314.6	1332.6	1360.3
167.5°	1423.9	1393.6	1381.8	1370.7	1364.5	1352.8	1364.5	1370.7	1381.8	1393.6	1423.9
170°	1463.0	1435.3	1428.8	1419.0	1407.6	1394.5	1407.6	1419.0	1428.8	1435.3	1463.0
172.5°	1497.0	1478.4	1471.8	1462.1	1458.5	1448.0	1458.5	1462.1	1471.8	1478.4	1497.0
175°	1546.2	1531.5	1531.5	1529.9	1525.0	1515.2	1525.0	1529.9	1531.5	1531.5	1546.2
177.5°	1587.3	1579.5	1584.7	1584.7	1583.4	1574.3	1583.4	1584.7	1584.7	1579.5	1587.3
180°	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1428557

CATALOG NUMBER: SQ2W-WBM-K-125U-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°	8.6	6.6	4.8	3.0
90°	29.4	17.9	11.4	4.9
92.5°	63.3	44.0	31.0	17.9
95°	127.2	101.1	71.8	50.6
97.5°	202.6	160.5	131.5	96.6
100°	243.0	202.2	174.5	137.0
102.5°	287.4	253.1	215.0	177.5
105°	367.0	324.6	280.5	238.1
107.5°	440.7	394.1	341.2	303.0
110°	487.7	437.1	381.7	347.4

TEST NUMBER: P1428557

CATALOG NUMBER: SQ2W-WBM-K-125U-100D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	533.3	481.5	424.7	390.5
115°	595.3	538.2	486.0	456.7
117.5°	655.0	596.3	541.2	518.0
120°	691.6	632.8	579.0	561.1
122.5°	721.6	664.2	614.2	606.7
125°	766.6	707.9	665.5	675.2
127.5°	803.1	749.3	722.5	744.4
130°	825.3	778.0	761.7	792.7
132.5°	844.9	808.0	800.8	843.6
135°	874.2	853.0	859.6	918.3
137.5°	909.1	901.0	922.8	996.9
140°	931.3	936.2	967.2	1050.4
142.5°	961.3	972.7	1012.9	1101.3
145°	1008.0	1032.4	1084.6	1172.7
147.5°	1060.8	1092.5	1157.1	1247.4
150°	1096.1	1136.8	1205.3	1291.8
152.5°	1136.5	1178.6	1247.1	1334.8
155°	1198.8	1246.1	1317.9	1392.9
157.5°	1262.4	1310.7	1379.2	1444.8
160°	1301.6	1353.8	1415.7	1476.1
162.5°	1345.9	1394.2	1448.4	1502.2
165°	1410.8	1450.0	1494.0	1539.7
167.5°	1465.3	1497.9	1532.5	1568.1
170°	1500.6	1526.6	1556.0	1583.7
172.5°	1530.6	1551.4	1573.0	1596.8
175°	1570.7	1582.1	1595.2	1609.8
177.5°	1601.7	1605.6	1609.5	1616.0
180°	1614.7	1614.7	1614.7	1614.7



TEST NUMBER: P1428557
 CATALOG NUMBER: SQ2W-WBM-K-125U-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	4.73	5.43	5.74	6.43	7.76	4.71	5.42	5.72	6.42	7.74
	3H	5.41	6.04	6.44	7.05	8.39	5.33	5.96	6.36	6.97	8.31
	4H	5.77	6.36	6.81	7.38	8.73	5.64	6.23	6.67	7.24	8.59
	6H	6.04	6.59	7.09	7.60	8.97	5.87	6.41	6.91	7.42	8.79
	8H	6.16	6.67	7.21	7.71	9.07	5.96	6.48	7.01	7.51	8.87
	12H	6.24	6.73	7.29	7.75	9.13	6.01	6.50	7.06	7.53	8.91
4H	2H	4.82	5.41	5.86	6.42	7.77	4.80	5.39	5.84	6.40	7.76
	3H	5.75	6.24	6.80	7.28	8.65	5.67	6.16	6.72	7.20	8.56
	4H	6.26	6.70	7.31	7.74	9.12	6.11	6.56	7.16	7.59	8.98
	6H	6.68	7.06	7.75	8.12	9.50	6.49	6.87	7.55	7.92	9.31
	8H	6.87	7.23	7.93	8.28	9.67	6.65	7.00	7.71	8.05	9.45
	12H	7.00	7.32	8.07	8.38	9.78	6.74	7.06	7.82	8.12	9.52
8H	4H	6.37	6.73	7.43	7.78	9.17	6.24	6.59	7.30	7.64	9.04
	6H	6.95	7.24	8.03	8.33	9.73	6.76	7.05	7.84	8.14	9.53
	8H	7.24	7.50	8.33	8.57	9.99	7.03	7.28	8.12	8.36	9.77
	12H	7.46	7.68	8.55	8.75	10.21	7.19	7.42	8.28	8.49	9.94
12H	4H	6.35	6.67	7.43	7.73	9.13	6.22	6.54	7.30	7.60	9.01
	6H	6.99	7.24	8.08	8.32	9.73	6.80	7.06	7.89	8.13	9.55
	8H	7.31	7.53	8.40	8.60	10.06	7.10	7.33	8.19	8.40	9.85