

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: P1428547

Luminaire Tested: SQ2W-WBM-K-100U-100D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428547
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-100U-100D-L940-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 1000 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

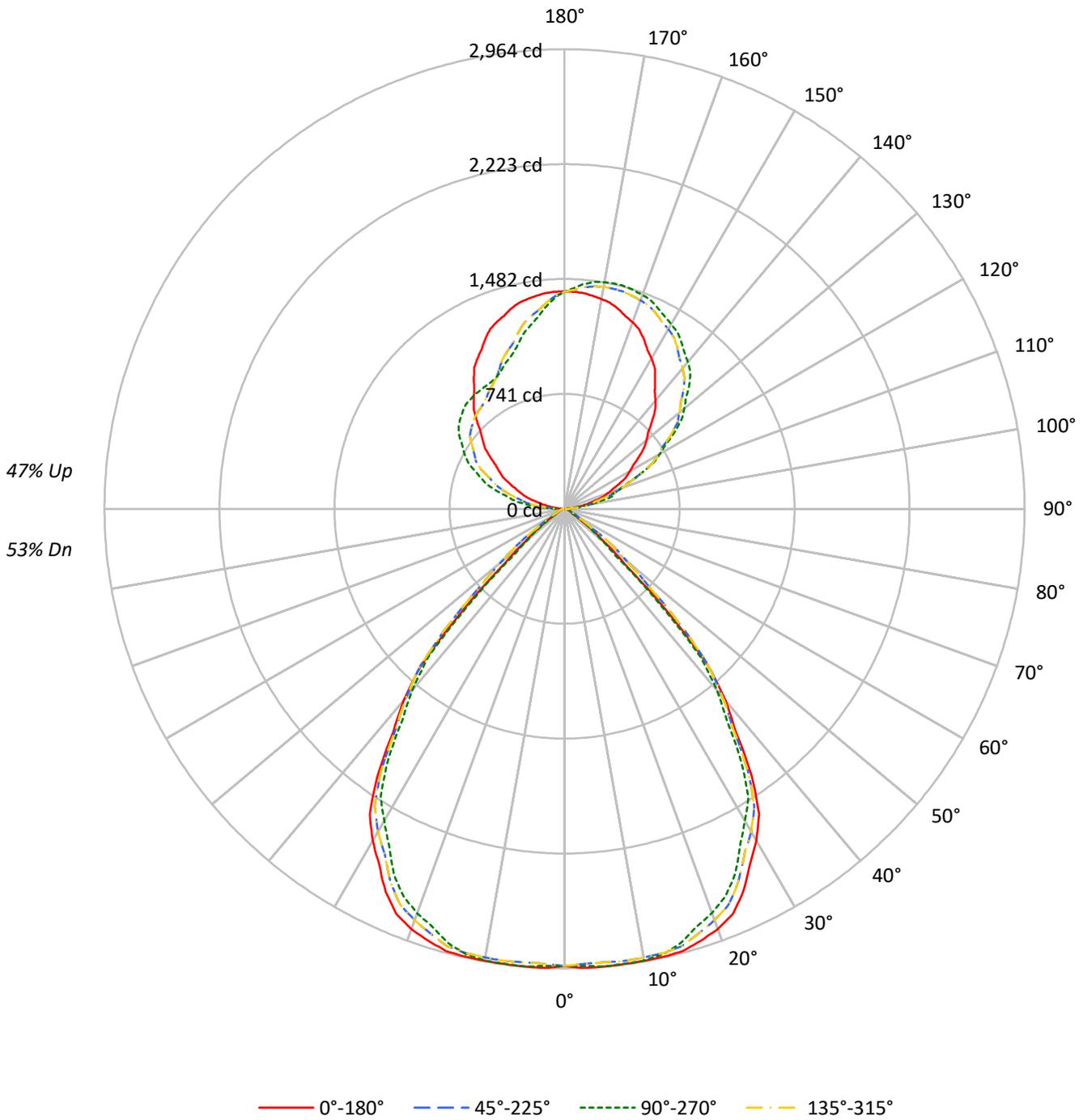
Lumens per Lamp: N/A
Luminaire Lumens: 8707.4 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 71.2
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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CATALOG NUMBER: SQ2W-WBM-K-100U-100D-L940-UNV-STD-W-WM-4

Luminous Intensity Polar Plot



TEST NUMBER: P1428547

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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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53				
1	100	97	93	91	93	90	87	85	77	75	74	66	64	63	55	54	53	48				
2	93	87	82	77	86	81	77	73	70	67	64	60	58	56	51	49	48	44				
3	86	78	72	67	80	73	68	63	64	60	57	55	52	50	47	45	43	40				
4	80	71	64	59	74	66	60	56	58	54	50	51	47	45	43	41	39	36				
5	74	64	57	52	69	60	54	49	53	48	45	46	43	40	40	38	36	33				
6	69	58	51	46	64	55	49	44	49	44	40	43	39	36	37	35	32	30				
7	64	53	46	41	60	50	44	40	45	40	36	40	36	33	35	32	30	27				
8	60	49	42	37	56	46	40	36	41	36	33	37	33	30	32	29	27	25				
9	56	45	38	34	53	43	37	32	38	33	30	34	30	27	30	27	25	23				
10	53	42	35	31	49	40	34	30	36	31	27	32	28	25	28	25	23	21				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	47604	47604	47604	47604
5°	48037	48014	48037	48014
10°	48523	48500	48523	48500
15°	49330	48455	49330	48455
20°	49566	47671	49566	47671
25°	48547	46331	48547	46331
30°	46060	43320	46060	43320
35°	41425	39085	41425	39085
40°	33961	32173	33961	32173
45°	21235	19945	21235	19945
50°	8307	7598	8307	7598
55°	4098	4059	4098	4059
60°	1918	1734	1918	1734
65°	1727	1620	1727	1620
70°	1666	1600	1666	1600
75°	1678	1497	1678	1497
80°	1581	1441	1581	1441
85°	1575	1315	1575	1315

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°
 Vertical Angle: 45°
 Luminance: 24171 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.9	3.2
10°-20°	824.3	9.5
20°-30°	1218.8	14.0
30°-40°	1261.0	14.5
40°-50°	758.5	8.7
50°-60°	181.3	2.1
60°-70°	49.6	0.6
70°-80°	27.8	0.3
80°-90°	14.6	0.2
90°-100°	111.5	1.3
100°-110°	325.1	3.7
110°-120°	530.5	6.1
120°-130°	673.2	7.7
130°-140°	720.3	8.3
140°-150°	672.6	7.7
150°-160°	553.5	6.4
160°-170°	371.2	4.3
170°-180°	131.8	1.5
0°-30°	2325.0	26.7
0°-40°	3586.0	41.2
0°-60°	4525.8	52.0
0°-90°	4617.7	53.0
90°-120°	967.1	11.1
90°-150°	3033.2	34.8
90°-180°	4090.0	47.0
0°-180°	8707.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2948	2948	2948	2948	2948	
5°	2964	2962	2964	2962	2964	283
15°	2951	2899	2951	2899	2951	832
25°	2725	2601	2725	2601	2725	1246
35°	2102	1983	2102	1983	2102	1290
45°	930	874	930	874	930	719
55°	146	144	146	144	146	146
65°	45	42	45	42	45	45
75°	27	24	27	24	27	28
85°	8	7	8	7	8	9
90°	4	31	4	61	4	4
95°	44	32	44	191	44	53
105°	207	331	207	456	207	220
115°	396	549	396	676	396	390
125°	586	870	586	829	586	524
135°	796	1139	796	918	796	616
145°	1017	1313	1017	938	1017	636
155°	1208	1426	1208	973	1208	555
165°	1336	1487	1336	1120	1336	376
175°	1396	1456	1396	1314	1396	132
180°	1401	1401	1401	1401	1401	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4
2.5°	2963.1	2959.6	2956.0	2947.2	2936.7	2936.9	2948.0	2955.7	2953.1	2950.6	2953.1
5°	2963.9	2959.5	2955.1	2945.1	2933.1	2936.0	2953.6	2966.3	2964.4	2962.5	2964.4
7.5°	2960.8	2958.9	2957.0	2949.7	2940.5	2942.6	2955.9	2965.2	2962.3	2959.4	2962.3
10°	2959.7	2960.3	2960.9	2951.2	2938.0	2938.3	2952.1	2962.0	2960.2	2958.3	2960.2
12.5°	2958.6	2963.7	2968.9	2955.7	2936.5	2932.3	2943.1	2950.1	2945.7	2941.3	2945.7
15°	2951.2	2961.3	2971.3	2953.6	2926.5	2913.0	2913.0	2911.5	2905.2	2898.9	2905.2
17.5°	2919.8	2931.8	2943.7	2919.6	2883.6	2860.7	2851.0	2841.9	2834.2	2826.5	2834.2
20°	2884.8	2896.7	2908.6	2880.1	2838.0	2809.1	2793.4	2780.8	2777.7	2774.5	2777.7
22.5°	2829.4	2842.3	2855.2	2824.7	2779.5	2748.4	2731.2	2717.0	2711.8	2706.7	2711.8
25°	2725.1	2735.1	2745.2	2713.3	2667.4	2638.2	2625.6	2614.5	2607.6	2600.7	2607.6
27.5°	2586.0	2591.5	2597.0	2566.2	2523.2	2494.6	2480.3	2467.1	2457.6	2448.0	2457.6
30°	2470.6	2473.2	2475.7	2450.9	2416.9	2390.5	2371.7	2353.8	2338.7	2323.6	2338.7
32.5°	2333.8	2336.3	2338.8	2317.1	2287.1	2263.3	2245.4	2229.0	2217.0	2204.9	2217.0
35°	2101.7	2100.5	2099.2	2085.3	2067.0	2047.6	2026.8	2008.1	1995.6	1983.0	1995.6
37.5°	1811.4	1813.2	1814.9	1804.5	1790.1	1774.7	1758.4	1743.0	1730.3	1717.6	1730.3
40°	1611.3	1612.5	1613.8	1605.2	1593.2	1575.3	1551.5	1532.8	1529.6	1526.5	1529.6
42.5°	1367.1	1385.9	1404.7	1397.1	1380.7	1363.2	1344.9	1327.5	1312.8	1298.1	1312.8
45°	930.0	987.2	1044.4	1058.6	1058.6	1047.7	1025.7	994.1	933.8	873.5	933.8
47.5°	525.2	590.3	655.4	698.1	733.4	718.4	653.1	585.8	512.5	439.3	512.5
50°	330.7	374.7	418.7	473.5	531.9	515.9	425.4	351.5	327.0	302.5	327.0
52.5°	234.6	257.0	279.4	331.0	392.5	385.0	308.6	248.1	235.1	222.2	235.1
55°	145.6	153.7	161.9	187.0	217.8	215.9	181.4	154.2	149.2	144.2	149.2
57.5°	86.5	94.9	103.3	114.5	126.5	126.5	114.5	103.5	95.5	87.6	95.5
60°	59.4	66.3	73.2	82.4	92.5	91.2	78.7	67.5	60.6	53.7	60.6
62.5°	51.4	54.3	57.2	64.4	72.9	72.1	62.1	54.0	51.6	49.2	51.6
65°	45.2	45.9	46.5	47.1	47.7	47.4	46.2	44.9	43.7	42.4	43.7
67.5°	39.9	40.5	41.1	40.9	40.4	40.1	40.0	39.6	38.4	37.3	38.4
70°	35.3	36.0	36.6	36.7	36.7	36.4	35.8	35.2	34.6	33.9	34.6
72.5°	31.9	32.6	33.2	33.0	32.5	32.2	32.0	31.7	30.5	29.4	30.5
75°	26.9	26.9	26.9	26.9	26.9	26.5	25.9	25.3	24.7	24.0	24.7
77.5°	20.4	21.0	21.6	21.3	20.7	20.4	20.4	20.2	19.6	18.9	19.6
80°	17.0	17.6	18.2	17.9	17.3	17.0	17.0	16.8	16.2	15.5	16.2
82.5°	13.6	13.7	13.8	13.8	13.6	13.6	13.6	13.4	12.8	12.2	12.8
85°	8.5	8.5	8.5	8.0	7.4	7.1	7.1	7.1	7.1	7.1	7.1
87.5°	3.1	4.7	6.7	7.5	7.9	7.9	7.9	8.2	8.5	8.5	8.5
90°	4.2	9.9	17.0	22.6	26.9	28.3	28.3	29.7	31.1	31.1	31.1
92.5°	15.6	24.6	24.9	24.9	30.3	32.8	35.1	35.4	36.8	36.8	36.8
95°	43.9	48.1	72.2	70.7	48.1	38.2	32.5	32.5	32.5	32.5	32.5
97.5°	83.8	90.0	93.9	125.9	133.0	128.5	104.7	88.0	78.7	74.4	78.7
100°	118.8	121.7	130.2	131.6	166.9	200.9	183.9	162.7	155.6	151.4	155.6
102.5°	153.9	155.6	168.6	174.6	182.8	202.0	260.9	254.4	249.6	248.7	249.6
105°	206.6	208.0	232.0	243.3	249.0	249.0	247.6	275.9	321.2	331.1	321.2
107.5°	262.9	269.4	297.7	328.0	334.5	336.2	328.8	324.6	322.9	324.0	322.9
110°	301.4	311.3	345.2	383.4	393.3	396.1	393.3	389.1	386.2	386.2	386.2



TEST NUMBER: P1428547

CATALOG NUMBER: SQ2W-WBM-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	338.7	353.1	391.6	435.5	452.2	460.7	454.4	451.3	448.5	450.8	448.5
115°	396.1	417.4	468.3	513.6	547.5	551.8	550.4	550.4	548.9	548.9	548.9
117.5°	449.3	483.3	540.5	593.1	632.4	643.7	649.4	647.7	646.0	648.8	646.0
120°	486.7	526.3	591.4	650.8	689.0	706.0	711.6	708.8	711.6	708.8	711.6
122.5°	526.3	575.0	638.9	700.6	745.6	764.8	771.6	772.2	772.8	771.1	772.8
125°	585.7	645.2	720.1	783.8	830.5	853.1	858.8	860.2	863.0	870.1	863.0
127.5°	645.7	713.1	795.4	856.8	904.6	932.1	940.8	944.0	949.9	953.0	949.9
130°	687.6	764.0	847.5	905.5	952.2	981.9	997.4	1001.7	1008.8	1007.3	1008.8
132.5°	731.7	811.5	896.1	956.4	999.7	1031.7	1045.0	1057.1	1059.7	1061.7	1059.7
135°	796.5	882.8	967.7	1027.2	1068.2	1099.3	1116.3	1127.6	1134.7	1138.9	1134.7
137.5°	864.7	955.8	1037.3	1090.3	1131.6	1158.4	1177.7	1189.6	1196.9	1200.3	1196.9
140°	911.1	998.9	1078.1	1133.3	1170.0	1196.9	1213.9	1228.1	1236.5	1236.5	1236.5
142.5°	955.3	1041.9	1118.8	1174.0	1206.3	1230.9	1249.0	1259.7	1269.4	1269.4	1269.4
145°	1017.2	1103.6	1174.3	1229.5	1256.4	1279.0	1298.8	1307.3	1312.9	1312.9	1312.9
147.5°	1082.0	1158.4	1223.0	1275.9	1298.5	1325.1	1340.7	1347.5	1354.5	1351.4	1354.5
150°	1120.5	1191.3	1253.5	1303.0	1325.7	1351.1	1366.7	1372.4	1379.4	1375.2	1379.4
152.5°	1157.9	1225.2	1281.8	1327.9	1347.2	1372.6	1390.5	1396.1	1400.9	1397.8	1400.9
155°	1208.2	1267.7	1320.0	1362.5	1379.4	1403.5	1420.5	1427.5	1433.2	1426.1	1433.2
157.5°	1253.2	1304.5	1350.0	1389.1	1407.2	1427.8	1443.7	1452.4	1458.1	1455.0	1458.1
160°	1280.4	1327.1	1368.1	1404.9	1421.9	1440.3	1457.3	1467.2	1472.8	1468.6	1472.8
162.5°	1303.0	1345.2	1384.0	1417.4	1432.1	1448.2	1468.6	1477.3	1483.0	1477.6	1483.0
165°	1335.6	1369.5	1403.5	1431.8	1444.5	1457.3	1478.5	1488.4	1492.6	1487.0	1492.6
167.5°	1360.2	1386.2	1413.7	1438.0	1447.4	1459.8	1481.0	1489.2	1494.6	1487.5	1494.6
170°	1373.8	1396.4	1420.5	1440.3	1447.4	1458.7	1479.9	1487.0	1491.2	1484.1	1491.2
172.5°	1385.1	1402.1	1421.6	1439.1	1442.8	1451.9	1472.0	1479.0	1482.2	1476.2	1482.2
175°	1396.4	1406.3	1420.5	1431.8	1430.4	1436.0	1453.0	1458.7	1464.3	1455.8	1464.3
177.5°	1401.8	1406.3	1410.8	1417.6	1413.1	1413.1	1425.6	1429.0	1430.1	1425.6	1430.1
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



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CATALOG NUMBER: SQ2W-WBM-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4
2.5°	2955.7	2948.0	2936.9	2936.7	2947.2	2956.0	2959.6	2963.1	2959.6	2956.0	2947.2
5°	2966.3	2953.6	2936.0	2933.1	2945.1	2955.1	2959.5	2963.9	2959.5	2955.1	2945.1
7.5°	2965.2	2955.9	2942.6	2940.5	2949.7	2957.0	2958.9	2960.8	2958.9	2957.0	2949.7
10°	2962.0	2952.1	2938.3	2938.0	2951.2	2960.9	2960.3	2959.7	2960.3	2960.9	2951.2
12.5°	2950.1	2943.1	2932.3	2936.5	2955.7	2968.9	2963.7	2958.6	2963.7	2968.9	2955.7
15°	2911.5	2913.0	2913.0	2926.5	2953.6	2971.3	2961.3	2951.2	2961.3	2971.3	2953.6
17.5°	2841.9	2851.0	2860.7	2883.6	2919.6	2943.7	2931.8	2919.8	2931.8	2943.7	2919.6
20°	2780.8	2793.4	2809.1	2838.0	2880.1	2908.6	2896.7	2884.8	2896.7	2908.6	2880.1
22.5°	2717.0	2731.2	2748.4	2779.5	2824.7	2855.2	2842.3	2829.4	2842.3	2855.2	2824.7
25°	2614.5	2625.6	2638.2	2667.4	2713.3	2745.2	2735.1	2725.1	2735.1	2745.2	2713.3
27.5°	2467.1	2480.3	2494.6	2523.2	2566.2	2597.0	2591.5	2586.0	2591.5	2597.0	2566.2
30°	2353.8	2371.7	2390.5	2416.9	2450.9	2475.7	2473.2	2470.6	2473.2	2475.7	2450.9
32.5°	2229.0	2245.4	2263.3	2287.1	2317.1	2338.8	2336.3	2333.8	2336.3	2338.8	2317.1
35°	2008.1	2026.8	2047.6	2067.0	2085.3	2099.2	2100.5	2101.7	2100.5	2099.2	2085.3
37.5°	1743.0	1758.4	1774.7	1790.1	1804.5	1814.9	1813.2	1811.4	1813.2	1814.9	1804.5
40°	1532.8	1551.5	1575.3	1593.2	1605.2	1613.8	1612.5	1611.3	1612.5	1613.8	1605.2
42.5°	1327.5	1344.9	1363.2	1380.7	1397.1	1404.7	1385.9	1367.1	1385.9	1404.7	1397.1
45°	994.1	1025.7	1047.7	1058.6	1058.6	1044.4	987.2	930.0	987.2	1044.4	1058.6
47.5°	585.8	653.1	718.4	733.4	698.1	655.4	590.3	525.2	590.3	655.4	698.1
50°	351.5	425.4	515.9	531.9	473.5	418.7	374.7	330.7	374.7	418.7	473.5
52.5°	248.1	308.6	385.0	392.5	331.0	279.4	257.0	234.6	257.0	279.4	331.0
55°	154.2	181.4	215.9	217.8	187.0	161.9	153.7	145.6	153.7	161.9	187.0
57.5°	103.5	114.5	126.5	126.5	114.5	103.3	94.9	86.5	94.9	103.3	114.5
60°	67.5	78.7	91.2	92.5	82.4	73.2	66.3	59.4	66.3	73.2	82.4
62.5°	54.0	62.1	72.1	72.9	64.4	57.2	54.3	51.4	54.3	57.2	64.4
65°	44.9	46.2	47.4	47.7	47.1	46.5	45.9	45.2	45.9	46.5	47.1
67.5°	39.6	40.0	40.1	40.4	40.9	41.1	40.5	39.9	40.5	41.1	40.9
70°	35.2	35.8	36.4	36.7	36.7	36.6	36.0	35.3	36.0	36.6	36.7
72.5°	31.7	32.0	32.2	32.5	33.0	33.2	32.6	31.9	32.6	33.2	33.0
75°	25.3	25.9	26.5	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
77.5°	20.2	20.4	20.4	20.7	21.3	21.6	21.0	20.4	21.0	21.6	21.3
80°	16.8	17.0	17.0	17.3	17.9	18.2	17.6	17.0	17.6	18.2	17.9
82.5°	13.4	13.6	13.6	13.6	13.8	13.8	13.7	13.6	13.7	13.8	13.8
85°	7.1	7.1	7.1	7.4	8.0	8.5	8.5	8.5	8.5	8.5	8.0
87.5°	8.2	7.9	7.9	7.9	7.5	6.7	4.7	3.1	4.7	6.4	8.1
90°	29.7	28.3	28.3	26.9	22.6	17.0	9.9	4.2	9.9	15.6	25.5
92.5°	35.4	35.1	32.8	30.3	24.9	24.9	24.6	15.6	26.9	38.2	54.9
95°	32.5	32.5	38.2	48.1	70.7	72.2	48.1	43.9	62.3	87.7	110.4
97.5°	88.0	104.7	128.5	133.0	125.9	93.9	90.0	83.8	114.0	139.2	175.7
100°	162.7	183.9	200.9	166.9	131.6	130.2	121.7	118.8	151.4	175.4	210.8
102.5°	254.4	260.9	202.0	182.8	174.6	168.6	155.6	153.9	186.5	219.6	249.3
105°	275.9	247.6	249.0	249.0	243.3	232.0	208.0	206.6	243.3	281.5	318.3
107.5°	324.6	328.8	336.2	334.5	328.0	297.7	269.4	262.9	296.0	341.8	382.3
110°	389.1	393.3	396.1	393.3	383.4	345.2	311.3	301.4	331.1	379.2	423.0



TEST NUMBER: P1428547

CATALOG NUMBER: SQ2W-WBM-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	451.3	454.4	460.7	452.2	435.5	391.6	353.1	338.7	368.4	417.7	462.6
115°	550.4	550.4	551.8	547.5	513.6	468.3	417.4	396.1	421.6	466.9	516.4
117.5°	647.7	649.4	643.7	632.4	593.1	540.5	483.3	449.3	469.4	517.3	568.2
120°	708.8	711.6	706.0	689.0	650.8	591.4	526.3	486.7	502.3	548.9	599.9
122.5°	772.2	771.6	764.8	745.6	700.6	638.9	575.0	526.3	532.8	576.1	625.9
125°	860.2	858.8	853.1	830.5	783.8	720.1	645.2	585.7	577.2	614.0	665.0
127.5°	944.0	940.8	932.1	904.6	856.8	795.4	713.1	645.7	626.8	650.0	696.7
130°	1001.7	997.4	981.9	952.2	905.5	847.5	764.0	687.6	660.7	674.9	715.9
132.5°	1057.1	1045.0	1031.7	999.7	956.4	896.1	811.5	731.7	694.7	700.9	732.9
135°	1127.6	1116.3	1099.3	1068.2	1027.2	967.7	882.8	796.5	745.6	739.9	758.3
137.5°	1189.6	1177.7	1158.4	1131.6	1090.3	1037.3	955.8	864.7	800.5	781.5	788.6
140°	1228.1	1213.9	1196.9	1170.0	1133.3	1078.1	998.9	911.1	839.0	812.1	807.9
142.5°	1259.7	1249.0	1230.9	1206.3	1174.0	1118.8	1041.9	955.3	878.6	843.8	833.9
145°	1307.3	1298.8	1279.0	1256.4	1229.5	1174.3	1103.6	1017.2	940.8	895.6	874.4
147.5°	1347.5	1340.7	1325.1	1298.5	1275.9	1223.0	1158.4	1082.0	1003.7	947.6	920.2
150°	1372.4	1366.7	1351.1	1325.7	1303.0	1253.5	1191.3	1120.5	1045.5	986.1	950.8
152.5°	1396.1	1390.5	1372.6	1347.2	1327.9	1281.8	1225.2	1157.9	1081.8	1022.3	985.8
155°	1427.5	1420.5	1403.5	1379.4	1362.5	1320.0	1267.7	1208.2	1143.2	1080.9	1039.9
157.5°	1452.4	1443.7	1427.8	1407.2	1389.1	1350.0	1304.5	1253.2	1196.4	1136.9	1095.1
160°	1467.2	1457.3	1440.3	1421.9	1404.9	1368.1	1327.1	1280.4	1228.1	1174.3	1129.0
162.5°	1477.3	1468.6	1448.2	1432.1	1417.4	1384.0	1345.2	1303.0	1256.4	1209.4	1167.5
165°	1488.4	1478.5	1457.3	1444.5	1431.8	1403.5	1369.5	1335.6	1296.0	1257.8	1223.8
167.5°	1489.2	1481.0	1459.8	1447.4	1438.0	1413.7	1386.2	1360.2	1329.4	1299.4	1271.1
170°	1487.0	1479.9	1458.7	1447.4	1440.3	1420.5	1396.4	1373.8	1349.7	1324.3	1301.6
172.5°	1479.0	1472.0	1451.9	1442.8	1439.1	1421.6	1402.1	1385.1	1364.4	1345.8	1327.7
175°	1458.7	1453.0	1436.0	1430.4	1431.8	1420.5	1406.3	1396.4	1383.7	1372.4	1362.5
177.5°	1429.0	1425.6	1413.1	1413.1	1417.6	1410.8	1406.3	1401.8	1396.1	1392.7	1389.3
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1428547

CATALOG NUMBER: SQ2W-WBM-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4	2948.4
2.5°	2936.7	2936.9	2948.0	2955.7	2953.1	2950.6	2953.1	2955.7	2948.0	2936.9	2936.7
5°	2933.1	2936.0	2953.6	2966.3	2964.4	2962.5	2964.4	2966.3	2953.6	2936.0	2933.1
7.5°	2940.5	2942.6	2955.9	2965.2	2962.3	2959.4	2962.3	2965.2	2955.9	2942.6	2940.5
10°	2938.0	2938.3	2952.1	2962.0	2960.2	2958.3	2960.2	2962.0	2952.1	2938.3	2938.0
12.5°	2936.5	2932.3	2943.1	2950.1	2945.7	2941.3	2945.7	2950.1	2943.1	2932.3	2936.5
15°	2926.5	2913.0	2913.0	2911.5	2905.2	2898.9	2905.2	2911.5	2913.0	2913.0	2926.5
17.5°	2883.6	2860.7	2851.0	2841.9	2834.2	2826.5	2834.2	2841.9	2851.0	2860.7	2883.6
20°	2838.0	2809.1	2793.4	2780.8	2777.7	2774.5	2777.7	2780.8	2793.4	2809.1	2838.0
22.5°	2779.5	2748.4	2731.2	2717.0	2711.8	2706.7	2711.8	2717.0	2731.2	2748.4	2779.5
25°	2667.4	2638.2	2625.6	2614.5	2607.6	2600.7	2607.6	2614.5	2625.6	2638.2	2667.4
27.5°	2523.2	2494.6	2480.3	2467.1	2457.6	2448.0	2457.6	2467.1	2480.3	2494.6	2523.2
30°	2416.9	2390.5	2371.7	2353.8	2338.7	2323.6	2338.7	2353.8	2371.7	2390.5	2416.9
32.5°	2287.1	2263.3	2245.4	2229.0	2217.0	2204.9	2217.0	2229.0	2245.4	2263.3	2287.1
35°	2067.0	2047.6	2026.8	2008.1	1995.6	1983.0	1995.6	2008.1	2026.8	2047.6	2067.0
37.5°	1790.1	1774.7	1758.4	1743.0	1730.3	1717.6	1730.3	1743.0	1758.4	1774.7	1790.1
40°	1593.2	1575.3	1551.5	1532.8	1529.6	1526.5	1529.6	1532.8	1551.5	1575.3	1593.2
42.5°	1380.7	1363.2	1344.9	1327.5	1312.8	1298.1	1312.8	1327.5	1344.9	1363.2	1380.7
45°	1058.6	1047.7	1025.7	994.1	933.8	873.5	933.8	994.1	1025.7	1047.7	1058.6
47.5°	733.4	718.4	653.1	585.8	512.5	439.3	512.5	585.8	653.1	718.4	733.4
50°	531.9	515.9	425.4	351.5	327.0	302.5	327.0	351.5	425.4	515.9	531.9
52.5°	392.5	385.0	308.6	248.1	235.1	222.2	235.1	248.1	308.6	385.0	392.5
55°	217.8	215.9	181.4	154.2	149.2	144.2	149.2	154.2	181.4	215.9	217.8
57.5°	126.5	126.5	114.5	103.5	95.5	87.6	95.5	103.5	114.5	126.5	126.5
60°	92.5	91.2	78.7	67.5	60.6	53.7	60.6	67.5	78.7	91.2	92.5
62.5°	72.9	72.1	62.1	54.0	51.6	49.2	51.6	54.0	62.1	72.1	72.9
65°	47.7	47.4	46.2	44.9	43.7	42.4	43.7	44.9	46.2	47.4	47.7
67.5°	40.4	40.1	40.0	39.6	38.4	37.3	38.4	39.6	40.0	40.1	40.4
70°	36.7	36.4	35.8	35.2	34.6	33.9	34.6	35.2	35.8	36.4	36.7
72.5°	32.5	32.2	32.0	31.7	30.5	29.4	30.5	31.7	32.0	32.2	32.5
75°	26.9	26.5	25.9	25.3	24.7	24.0	24.7	25.3	25.9	26.5	26.9
77.5°	20.7	20.4	20.4	20.2	19.6	18.9	19.6	20.2	20.4	20.4	20.7
80°	17.3	17.0	17.0	16.8	16.2	15.5	16.2	16.8	17.0	17.0	17.3
82.5°	13.6	13.6	13.6	13.4	12.8	12.2	12.8	13.4	13.6	13.6	13.6
85°	7.4	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.4
87.5°	9.0	10.8	12.7	13.9	15.0	14.4	15.0	13.9	12.7	10.8	9.0
90°	32.5	42.4	52.3	58.0	63.7	60.8	63.7	58.0	52.3	42.4	32.5
92.5°	65.4	82.1	94.2	104.4	108.9	108.4	108.9	104.4	94.2	82.1	65.4
95°	131.6	151.4	171.2	185.3	193.8	191.0	193.8	185.3	171.2	151.4	131.6
97.5°	202.9	229.5	251.6	264.9	273.3	279.0	273.3	264.9	251.6	229.5	202.9
100°	250.4	275.9	301.4	316.9	331.1	336.7	331.1	316.9	301.4	275.9	250.4
102.5°	288.9	322.3	350.0	366.7	378.6	384.3	378.6	366.7	350.0	322.3	288.9
105°	352.3	387.7	417.4	438.6	451.3	455.6	451.3	438.6	417.4	387.7	352.3
107.5°	415.7	452.2	479.6	503.1	518.7	527.7	518.7	503.1	479.6	452.2	415.7
110°	465.5	495.2	524.9	546.1	561.7	567.3	561.7	546.1	524.9	495.2	465.5



TEST NUMBER: P1428547

CATALOG NUMBER: SQ2W-WBM-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	507.4	540.5	570.2	591.4	609.2	617.1	609.2	591.4	570.2	540.5	507.4
115°	565.9	609.8	636.7	656.5	669.2	676.3	669.2	656.5	636.7	609.8	565.9
117.5°	614.6	660.4	689.9	705.1	711.1	716.2	711.1	705.1	689.9	660.4	614.6
120°	645.2	687.6	721.6	741.4	748.4	751.3	748.4	741.4	721.6	687.6	645.2
122.5°	673.4	713.6	746.5	770.8	782.4	785.2	782.4	770.8	746.5	713.6	673.4
125°	713.1	751.3	785.2	809.3	822.0	829.1	822.0	809.3	785.2	751.3	713.1
127.5°	747.6	788.9	820.0	841.8	854.3	859.9	854.3	841.8	820.0	788.9	747.6
130°	766.8	809.3	840.4	864.4	875.8	881.4	875.8	864.4	840.4	809.3	766.8
132.5°	781.5	826.2	858.5	880.3	892.7	898.4	892.7	880.3	858.5	826.2	781.5
135°	799.4	846.1	880.0	901.2	912.6	918.2	912.6	901.2	880.0	846.1	799.4
137.5°	814.9	857.4	892.7	915.1	925.3	929.0	925.3	915.1	892.7	857.4	814.9
140°	826.2	863.0	898.4	919.6	930.9	932.4	930.9	919.6	898.4	863.0	826.2
142.5°	841.0	869.8	900.7	921.9	933.2	935.8	933.2	921.9	900.7	869.8	841.0
145°	867.3	884.3	905.5	925.3	935.2	938.0	935.2	925.3	905.5	884.3	867.3
147.5°	900.4	905.8	916.8	929.8	939.4	941.4	939.4	929.8	916.8	905.8	900.4
150°	925.3	923.9	928.1	936.6	945.1	943.7	945.1	936.6	928.1	923.9	925.3
152.5°	953.6	945.4	945.1	949.1	953.0	952.7	953.0	949.1	945.1	945.4	953.6
155°	1001.7	986.1	977.6	974.8	974.8	973.4	974.8	974.8	977.6	986.1	1001.7
157.5°	1054.6	1032.8	1020.1	1013.3	1011.3	1008.2	1011.3	1013.3	1020.1	1032.8	1054.6
160°	1090.8	1066.8	1054.0	1042.7	1038.5	1034.2	1038.5	1042.7	1054.0	1066.8	1090.8
162.5°	1124.8	1101.9	1088.0	1077.8	1073.6	1067.1	1073.6	1077.8	1088.0	1101.9	1124.8
165°	1180.0	1155.9	1140.3	1131.8	1126.2	1120.5	1126.2	1131.8	1140.3	1155.9	1180.0
167.5°	1235.1	1208.8	1198.6	1189.0	1183.6	1173.4	1183.6	1189.0	1198.6	1208.8	1235.1
170°	1269.1	1245.0	1239.4	1230.9	1221.0	1209.7	1221.0	1230.9	1239.4	1245.0	1269.1
172.5°	1298.5	1282.4	1276.7	1268.2	1265.1	1256.1	1265.1	1268.2	1276.7	1282.4	1298.5
175°	1341.2	1328.5	1328.5	1327.1	1322.8	1314.4	1322.8	1327.1	1328.5	1328.5	1341.2
177.5°	1376.9	1370.1	1374.6	1374.6	1373.5	1365.6	1373.5	1374.6	1374.6	1370.1	1376.9
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1428547

CATALOG NUMBER: SQ2W-WBM-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2948.4	2948.4	2948.4	2948.4
2.5°	2947.2	2956.0	2959.6	2963.1
5°	2945.1	2955.1	2959.5	2963.9
7.5°	2949.7	2957.0	2958.9	2960.8
10°	2951.2	2960.9	2960.3	2959.7
12.5°	2955.7	2968.9	2963.7	2958.6
15°	2953.6	2971.3	2961.3	2951.2
17.5°	2919.6	2943.7	2931.8	2919.8
20°	2880.1	2908.6	2896.7	2884.8
22.5°	2824.7	2855.2	2842.3	2829.4
25°	2713.3	2745.2	2735.1	2725.1
27.5°	2566.2	2597.0	2591.5	2586.0
30°	2450.9	2475.7	2473.2	2470.6
32.5°	2317.1	2338.8	2336.3	2333.8
35°	2085.3	2099.2	2100.5	2101.7
37.5°	1804.5	1814.9	1813.2	1811.4
40°	1605.2	1613.8	1612.5	1611.3
42.5°	1397.1	1404.7	1385.9	1367.1
45°	1058.6	1044.4	987.2	930.0
47.5°	698.1	655.4	590.3	525.2
50°	473.5	418.7	374.7	330.7
52.5°	331.0	279.4	257.0	234.6
55°	187.0	161.9	153.7	145.6
57.5°	114.5	103.3	94.9	86.5
60°	82.4	73.2	66.3	59.4
62.5°	64.4	57.2	54.3	51.4
65°	47.1	46.5	45.9	45.2
67.5°	40.9	41.1	40.5	39.9
70°	36.7	36.6	36.0	35.3
72.5°	33.0	33.2	32.6	31.9
75°	26.9	26.9	26.9	26.9
77.5°	21.3	21.6	21.0	20.4
80°	17.9	18.2	17.6	17.0
82.5°	13.8	13.8	13.7	13.6
85°	8.0	8.5	8.5	8.5
87.5°	8.1	6.4	4.7	3.1
90°	25.5	15.6	9.9	4.2
92.5°	54.9	38.2	26.9	15.6
95°	110.4	87.7	62.3	43.9
97.5°	175.7	139.2	114.0	83.8
100°	210.8	175.4	151.4	118.8
102.5°	249.3	219.6	186.5	153.9
105°	318.3	281.5	243.3	206.6
107.5°	382.3	341.8	296.0	262.9
110°	423.0	379.2	331.1	301.4



TEST NUMBER: P1428547

CATALOG NUMBER: SQ2W-WBM-K-100U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	462.6	417.7	368.4	338.7
115°	516.4	466.9	421.6	396.1
117.5°	568.2	517.3	469.4	449.3
120°	599.9	548.9	502.3	486.7
122.5°	625.9	576.1	532.8	526.3
125°	665.0	614.0	577.2	585.7
127.5°	696.7	650.0	626.8	645.7
130°	715.9	674.9	660.7	687.6
132.5°	732.9	700.9	694.7	731.7
135°	758.3	739.9	745.6	796.5
137.5°	788.6	781.5	800.5	864.7
140°	807.9	812.1	839.0	911.1
142.5°	833.9	843.8	878.6	955.3
145°	874.4	895.6	940.8	1017.2
147.5°	920.2	947.6	1003.7	1082.0
150°	950.8	986.1	1045.5	1120.5
152.5°	985.8	1022.3	1081.8	1157.9
155°	1039.9	1080.9	1143.2	1208.2
157.5°	1095.1	1136.9	1196.4	1253.2
160°	1129.0	1174.3	1228.1	1280.4
162.5°	1167.5	1209.4	1256.4	1303.0
165°	1223.8	1257.8	1296.0	1335.6
167.5°	1271.1	1299.4	1329.4	1360.2
170°	1301.6	1324.3	1349.7	1373.8
172.5°	1327.7	1345.8	1364.4	1385.1
175°	1362.5	1372.4	1383.7	1396.4
177.5°	1389.3	1392.7	1396.1	1401.8
180°	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1428547
 CATALOG NUMBER: SQ2W-WBM-K-100U-100D-L940-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	5.63	6.37	6.60	7.32	8.56	5.62	6.36	6.58	7.31	8.55
	3H	6.32	6.97	7.30	7.94	9.20	6.24	6.89	7.22	7.86	9.12
	4H	6.69	7.30	7.67	8.27	9.54	6.55	7.16	7.54	8.13	9.40
	6H	6.96	7.52	7.95	8.49	9.78	6.78	7.34	7.78	8.32	9.60
	8H	7.08	7.61	8.08	8.60	9.88	6.88	7.41	7.88	8.40	9.68
	12H	7.15	7.66	8.16	8.64	9.94	6.93	7.43	7.93	8.42	9.72
4H	2H	5.72	6.34	6.72	7.31	8.58	5.71	6.33	6.71	7.29	8.57
	3H	6.67	7.17	7.67	8.17	9.45	6.58	7.09	7.58	8.09	9.37
	4H	7.17	7.63	8.18	8.62	9.93	7.03	7.49	8.03	8.48	9.79
	6H	7.60	7.99	8.62	9.01	10.32	7.40	7.79	8.42	8.81	10.12
	8H	7.79	8.16	8.81	9.16	10.48	7.57	7.93	8.58	8.94	10.26
	12H	7.92	8.24	8.95	9.27	10.59	7.66	7.99	8.69	9.01	10.33
8H	4H	7.29	7.66	8.31	8.66	9.98	7.16	7.52	8.17	8.53	9.85
	6H	7.87	8.17	8.91	9.22	10.53	7.67	7.97	8.71	9.02	10.34
	8H	8.16	8.42	9.21	9.46	10.79	7.94	8.21	8.99	9.24	10.58
	12H	8.37	8.61	9.42	9.64	11.02	8.11	8.34	9.16	9.37	10.76
12H	4H	7.27	7.60	8.30	8.62	9.94	7.14	7.47	8.17	8.49	9.82
	6H	7.90	8.17	8.95	9.20	10.54	7.72	7.98	8.77	9.02	10.36
	8H	8.23	8.46	9.28	9.49	10.87	8.02	8.25	9.07	9.28	10.66