

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: P1428442

Luminaire Tested: SQ2W-PW1-K-100U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428442
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PW1-K-100U-125D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE WAVES LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

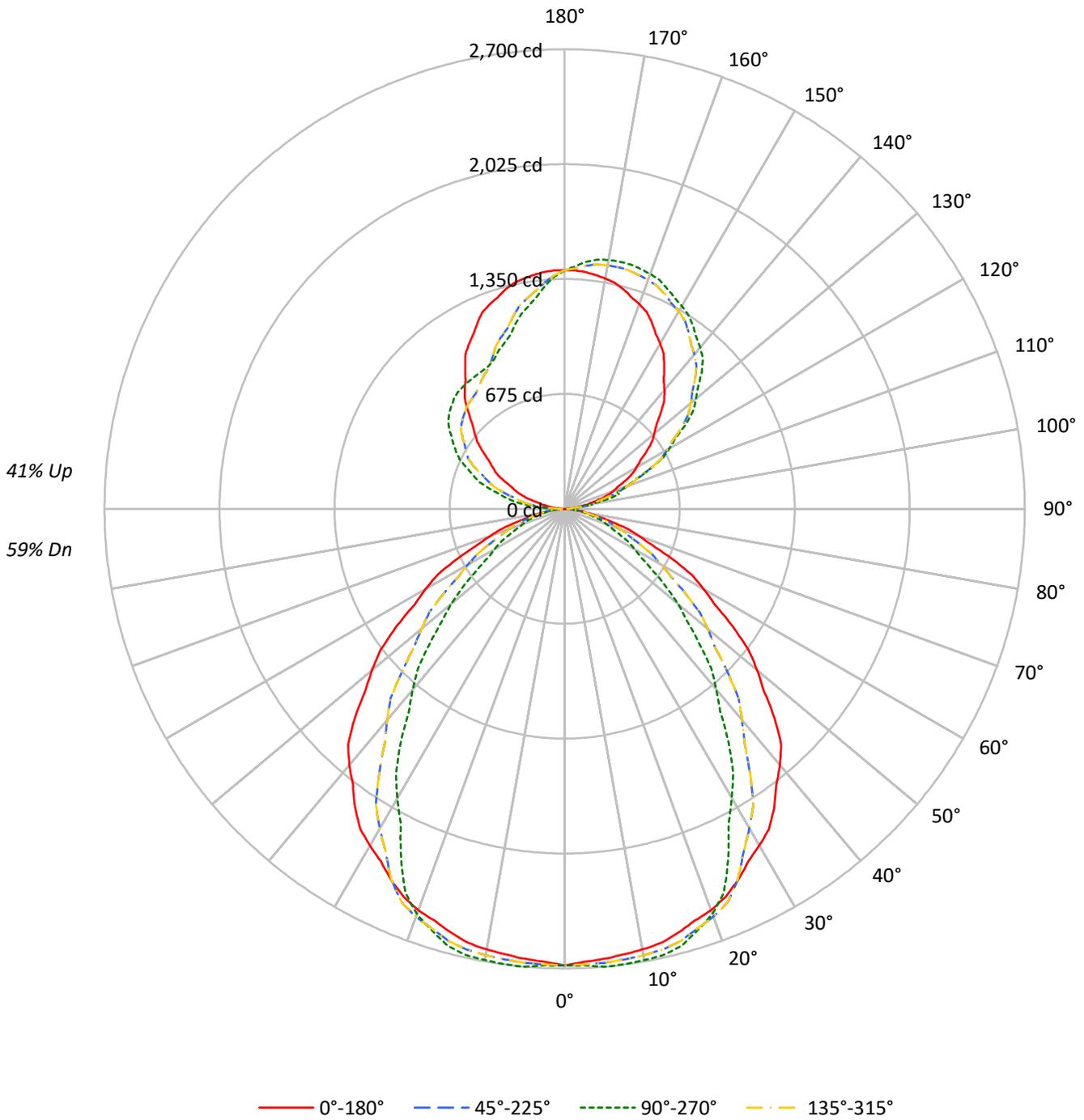
Lumens per Lamp: N/A
Luminaire Lumens: 10047.4 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 82.3
Input Voltage (V): 120
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					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	109	109	109	109	102	102	102	102	88	88	88	76	76	76	65	65	65	59				
1	101	96	93	89	94	90	87	84	79	76	74	68	66	65	58	57	56	51				
2	92	85	79	74	86	80	75	70	70	66	62	61	58	55	52	50	48	44				
3	84	75	68	63	79	71	64	59	62	57	53	54	51	47	47	44	42	38				
4	78	67	59	54	72	63	56	51	56	50	46	49	45	41	42	39	37	33				
5	72	60	52	46	67	57	50	44	50	45	40	44	40	36	38	35	32	29				
6	66	54	46	41	62	51	44	39	45	40	35	40	35	32	35	31	29	26				
7	61	49	41	36	57	47	39	34	41	36	31	37	32	29	32	28	26	23				
8	57	45	37	32	53	43	36	31	38	32	28	34	29	26	30	26	23	21				
9	53	41	34	29	50	39	32	28	35	29	25	31	27	23	27	24	21	19				
10	50	38	31	26	47	36	29	25	32	27	23	29	24	21	26	22	19	17				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	43307	43307	43307	43307
5°	43017	43763	43017	43763
10°	43097	44143	43097	44143
15°	43085	44409	43085	44409
20°	43102	43540	43102	43540
25°	42869	40457	42869	40457
30°	42578	36576	42578	36576
35°	42245	33030	42245	33030
40°	41405	29183	41405	29183
45°	39780	25489	39780	25489
50°	37024	21818	37024	21818
55°	33869	17689	33869	17689
60°	30357	15261	30357	15261
65°	26544	13566	26544	13566
70°	21706	12302	21706	12302
75°	16893	11316	16893	11316
80°	12589	9977	12589	9977
85°	8521	5687	8521	5687

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 39780 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.4	2.5
10°-20°	740.1	7.4
20°-30°	1089.1	10.8
30°-40°	1190.8	11.9
40°-50°	1068.2	10.6
50°-60°	796.8	7.9
60°-70°	503.6	5.0
70°-80°	249.5	2.5
80°-90°	64.2	0.6
90°-100°	111.5	1.1
100°-110°	325.1	3.2
110°-120°	530.5	5.3
120°-130°	673.2	6.7
130°-140°	720.3	7.2
140°-150°	672.6	6.7
150°-160°	553.5	5.5
160°-170°	371.2	3.7
170°-180°	131.8	1.3
0°-30°	2084.5	20.7
0°-40°	3275.3	32.6
0°-60°	5140.4	51.2
0°-90°	5957.7	59.3
90°-120°	967.1	9.6
90°-150°	3033.2	30.2
90°-180°	4090.0	40.7
0°-180°	10047.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2682	2682	2682	2682	2682	
5°	2654	2700	2654	2700	2654	253
15°	2578	2657	2578	2657	2578	728
25°	2406	2271	2406	2271	2406	1108
35°	2143	1676	2143	1676	2143	1337
45°	1742	1116	1742	1116	1742	1336
55°	1203	628	1203	628	1203	1074
65°	695	355	695	355	695	689
75°	271	181	271	181	271	298
85°	46	31	46	31	46	58
90°	4	31	4	61	4	5
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°	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3
2.5°	2663.9	2679.4	2694.8	2691.2	2681.2	2676.6	2677.5	2678.9	2681.6	2684.3	2681.6
5°	2654.2	2673.5	2692.8	2690.0	2679.7	2675.2	2676.3	2679.7	2690.0	2700.2	2690.0
7.5°	2640.9	2660.4	2680.0	2679.1	2671.3	2669.4	2673.3	2678.7	2688.7	2698.7	2688.7
10°	2628.7	2649.1	2669.5	2669.5	2662.7	2662.1	2667.8	2674.4	2683.4	2692.5	2683.4
12.5°	2612.3	2633.7	2655.0	2656.6	2651.6	2652.4	2659.0	2666.2	2675.3	2684.3	2675.3
15°	2577.6	2600.3	2623.0	2627.8	2626.7	2630.1	2638.0	2645.4	2651.1	2656.8	2651.1
17.5°	2537.2	2559.9	2582.6	2587.1	2585.5	2585.7	2587.8	2590.0	2592.7	2595.4	2592.7
20°	2508.6	2531.3	2554.0	2557.1	2553.7	2548.0	2540.1	2534.1	2534.1	2534.1	2534.1
22.5°	2467.7	2492.2	2516.8	2516.9	2509.0	2494.2	2472.7	2454.7	2447.4	2440.1	2447.4
25°	2406.4	2430.3	2454.1	2443.0	2420.3	2386.8	2342.5	2305.1	2288.0	2271.0	2288.0
27.5°	2334.9	2354.2	2373.5	2344.6	2299.6	2245.7	2182.8	2129.7	2106.1	2082.5	2106.1
30°	2283.8	2298.5	2313.3	2267.6	2201.8	2134.2	2064.9	2007.3	1984.6	1961.9	1984.6
32.5°	2230.7	2236.3	2242.0	2181.8	2099.6	2022.5	1950.5	1890.4	1865.9	1841.3	1865.9
35°	2143.3	2133.1	2122.9	2042.8	1939.5	1851.5	1778.8	1718.9	1697.4	1675.8	1697.4
37.5°	2040.1	2009.7	1979.2	1889.0	1778.9	1685.8	1609.7	1546.7	1522.9	1499.0	1522.9
40°	1964.5	1921.3	1878.2	1781.4	1666.7	1571.3	1495.3	1432.3	1408.4	1384.6	1408.4
42.5°	1880.7	1826.6	1772.6	1673.1	1558.4	1463.0	1387.0	1323.7	1299.0	1274.2	1299.0
45°	1742.2	1678.6	1615.1	1511.5	1394.5	1299.1	1225.3	1164.0	1140.2	1116.3	1140.2
47.5°	1586.4	1523.3	1460.1	1356.8	1240.1	1146.0	1074.5	1015.7	995.3	974.8	995.3
50°	1474.0	1412.7	1351.4	1252.6	1141.3	1049.9	978.4	918.5	893.5	868.6	893.5
52.5°	1359.5	1304.6	1249.6	1154.5	1046.0	955.0	881.7	818.1	784.1	750.0	784.1
55°	1203.2	1151.0	1098.8	1009.1	906.9	814.9	733.2	667.0	647.7	628.4	647.7
57.5°	1042.3	997.1	951.9	871.3	778.9	695.5	621.3	561.6	545.7	529.8	545.7
60°	940.1	900.3	860.6	783.4	693.7	617.6	555.2	504.4	488.5	472.6	488.5
62.5°	842.0	806.8	771.6	697.6	610.6	542.3	492.5	451.9	438.8	425.6	438.8
65°	694.8	668.7	642.6	581.6	508.9	452.2	411.3	377.8	366.4	355.1	366.4
67.5°	551.8	537.3	522.7	477.0	420.9	375.0	339.1	310.3	302.8	295.3	302.8
70°	459.8	455.3	450.7	413.0	364.2	325.0	295.5	271.9	266.2	260.6	266.2
72.5°	380.1	381.9	383.8	352.4	309.9	277.1	253.9	235.6	231.7	227.9	231.7
75°	270.8	279.9	289.0	268.2	237.6	214.3	198.4	185.9	183.6	181.4	183.6
77.5°	184.4	198.1	211.7	198.2	175.8	158.6	146.8	137.5	135.7	133.9	135.7
80°	135.4	149.0	162.6	153.3	136.2	123.2	114.1	107.3	107.3	107.3	107.3
82.5°	94.5	105.4	116.3	109.7	97.2	88.7	84.1	80.7	80.7	80.7	80.7
85°	46.0	51.7	57.3	55.3	50.8	45.1	38.3	32.9	31.8	30.7	31.8
87.5°	13.1	17.0	21.1	19.5	15.8	13.4	12.5	12.1	12.4	12.4	12.4
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: P1428442

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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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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3
2.5°	2678.9	2677.5	2676.6	2681.2	2691.2	2694.8	2679.4	2663.9	2679.4	2694.8	2691.2
5°	2679.7	2676.3	2675.2	2679.7	2690.0	2692.8	2673.5	2654.2	2673.5	2692.8	2690.0
7.5°	2678.7	2673.3	2669.4	2671.3	2679.1	2680.0	2660.4	2640.9	2660.4	2680.0	2679.1
10°	2674.4	2667.8	2662.1	2662.7	2669.5	2669.5	2649.1	2628.7	2649.1	2669.5	2669.5
12.5°	2666.2	2659.0	2652.4	2651.6	2656.6	2655.0	2633.7	2612.3	2633.7	2655.0	2656.6
15°	2645.4	2638.0	2630.1	2626.7	2627.8	2623.0	2600.3	2577.6	2600.3	2623.0	2627.8
17.5°	2590.0	2587.8	2585.7	2585.5	2587.1	2582.6	2559.9	2537.2	2559.9	2582.6	2587.1
20°	2534.1	2540.1	2548.0	2553.7	2557.1	2554.0	2531.3	2508.6	2531.3	2554.0	2557.1
22.5°	2454.7	2472.7	2494.2	2509.0	2516.9	2516.8	2492.2	2467.7	2492.2	2516.8	2516.9
25°	2305.1	2342.5	2386.8	2420.3	2443.0	2454.1	2430.3	2406.4	2430.3	2454.1	2443.0
27.5°	2129.7	2182.8	2245.7	2299.6	2344.6	2373.5	2354.2	2334.9	2354.2	2373.5	2344.6
30°	2007.3	2064.9	2134.2	2201.8	2267.6	2313.3	2298.5	2283.8	2298.5	2313.3	2267.6
32.5°	1890.4	1950.5	2022.5	2099.6	2181.8	2242.0	2236.3	2230.7	2236.3	2242.0	2181.8
35°	1718.9	1778.8	1851.5	1939.5	2042.8	2122.9	2133.1	2143.3	2133.1	2122.9	2042.8
37.5°	1546.7	1609.7	1685.8	1778.9	1889.0	1979.2	2009.7	2040.1	2009.7	1979.2	1889.0
40°	1432.3	1495.3	1571.3	1666.7	1781.4	1878.2	1921.3	1964.5	1921.3	1878.2	1781.4
42.5°	1323.7	1387.0	1463.0	1558.4	1673.1	1772.6	1826.6	1880.7	1826.6	1772.6	1673.1
45°	1164.0	1225.3	1299.1	1394.5	1511.5	1615.1	1678.6	1742.2	1678.6	1615.1	1511.5
47.5°	1015.7	1074.5	1146.0	1240.1	1356.8	1460.1	1523.3	1586.4	1523.3	1460.1	1356.8
50°	918.5	978.4	1049.9	1141.3	1252.6	1351.4	1412.7	1474.0	1412.7	1351.4	1252.6
52.5°	818.1	881.7	955.0	1046.0	1154.5	1249.6	1304.6	1359.5	1304.6	1249.6	1154.5
55°	667.0	733.2	814.9	906.9	1009.1	1098.8	1151.0	1203.2	1151.0	1098.8	1009.1
57.5°	561.6	621.3	695.5	778.9	871.3	951.9	997.1	1042.3	997.1	951.9	871.3
60°	504.4	555.2	617.6	693.7	783.4	860.6	900.3	940.1	900.3	860.6	783.4
62.5°	451.9	492.5	542.3	610.6	697.6	771.6	806.8	842.0	806.8	771.6	697.6
65°	377.8	411.3	452.2	508.9	581.6	642.6	668.7	694.8	668.7	642.6	581.6
67.5°	310.3	339.1	375.0	420.9	477.0	522.7	537.3	551.8	537.3	522.7	477.0
70°	271.9	295.5	325.0	364.2	413.0	450.7	455.3	459.8	455.3	450.7	413.0
72.5°	235.6	253.9	277.1	309.9	352.4	383.8	381.9	380.1	381.9	383.8	352.4
75°	185.9	198.4	214.3	237.6	268.2	289.0	279.9	270.8	279.9	289.0	268.2
77.5°	137.5	146.8	158.6	175.8	198.2	211.7	198.1	184.4	198.1	211.7	198.2
80°	107.3	114.1	123.2	136.2	153.3	162.6	149.0	135.4	149.0	162.6	153.3
82.5°	80.7	84.1	88.7	97.2	109.7	116.3	105.4	94.5	105.4	116.3	109.7
85°	32.9	38.3	45.1	50.8	55.3	57.3	51.7	46.0	51.7	57.3	55.3
87.5°	12.1	12.5	13.4	15.8	19.5	21.1	17.0	13.1	17.0	20.8	20.1
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: P1428442

CATALOG NUMBER: SQ2W-PW1-K-100U-125D-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: P1428442

CATALOG NUMBER: SQ2W-PW1-K-100U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3
2.5°	2681.2	2676.6	2677.5	2678.9	2681.6	2684.3	2681.6	2678.9	2677.5	2676.6	2681.2
5°	2679.7	2675.2	2676.3	2679.7	2690.0	2700.2	2690.0	2679.7	2676.3	2675.2	2679.7
7.5°	2671.3	2669.4	2673.3	2678.7	2688.7	2698.7	2688.7	2678.7	2673.3	2669.4	2671.3
10°	2662.7	2662.1	2667.8	2674.4	2683.4	2692.5	2683.4	2674.4	2667.8	2662.1	2662.7
12.5°	2651.6	2652.4	2659.0	2666.2	2675.3	2684.3	2675.3	2666.2	2659.0	2652.4	2651.6
15°	2626.7	2630.1	2638.0	2645.4	2651.1	2656.8	2651.1	2645.4	2638.0	2630.1	2626.7
17.5°	2585.5	2585.7	2587.8	2590.0	2592.7	2595.4	2592.7	2590.0	2587.8	2585.7	2585.5
20°	2553.7	2548.0	2540.1	2534.1	2534.1	2534.1	2534.1	2534.1	2540.1	2548.0	2553.7
22.5°	2509.0	2494.2	2472.7	2454.7	2447.4	2440.1	2447.4	2454.7	2472.7	2494.2	2509.0
25°	2420.3	2386.8	2342.5	2305.1	2288.0	2271.0	2288.0	2305.1	2342.5	2386.8	2420.3
27.5°	2299.6	2245.7	2182.8	2129.7	2106.1	2082.5	2106.1	2129.7	2182.8	2245.7	2299.6
30°	2201.8	2134.2	2064.9	2007.3	1984.6	1961.9	1984.6	2007.3	2064.9	2134.2	2201.8
32.5°	2099.6	2022.5	1950.5	1890.4	1865.9	1841.3	1865.9	1890.4	1950.5	2022.5	2099.6
35°	1939.5	1851.5	1778.8	1718.9	1697.4	1675.8	1697.4	1718.9	1778.8	1851.5	1939.5
37.5°	1778.9	1685.8	1609.7	1546.7	1522.9	1499.0	1522.9	1546.7	1609.7	1685.8	1778.9
40°	1666.7	1571.3	1495.3	1432.3	1408.4	1384.6	1408.4	1432.3	1495.3	1571.3	1666.7
42.5°	1558.4	1463.0	1387.0	1323.7	1299.0	1274.2	1299.0	1323.7	1387.0	1463.0	1558.4
45°	1394.5	1299.1	1225.3	1164.0	1140.2	1116.3	1140.2	1164.0	1225.3	1299.1	1394.5
47.5°	1240.1	1146.0	1074.5	1015.7	995.3	974.8	995.3	1015.7	1074.5	1146.0	1240.1
50°	1141.3	1049.9	978.4	918.5	893.5	868.6	893.5	918.5	978.4	1049.9	1141.3
52.5°	1046.0	955.0	881.7	818.1	784.1	750.0	784.1	818.1	881.7	955.0	1046.0
55°	906.9	814.9	733.2	667.0	647.7	628.4	647.7	667.0	733.2	814.9	906.9
57.5°	778.9	695.5	621.3	561.6	545.7	529.8	545.7	561.6	621.3	695.5	778.9
60°	693.7	617.6	555.2	504.4	488.5	472.6	488.5	504.4	555.2	617.6	693.7
62.5°	610.6	542.3	492.5	451.9	438.8	425.6	438.8	451.9	492.5	542.3	610.6
65°	508.9	452.2	411.3	377.8	366.4	355.1	366.4	377.8	411.3	452.2	508.9
67.5°	420.9	375.0	339.1	310.3	302.8	295.3	302.8	310.3	339.1	375.0	420.9
70°	364.2	325.0	295.5	271.9	266.2	260.6	266.2	271.9	295.5	325.0	364.2
72.5°	309.9	277.1	253.9	235.6	231.7	227.9	231.7	235.6	253.9	277.1	309.9
75°	237.6	214.3	198.4	185.9	183.6	181.4	183.6	185.9	198.4	214.3	237.6
77.5°	175.8	158.6	146.8	137.5	135.7	133.9	135.7	137.5	146.8	158.6	175.8
80°	136.2	123.2	114.1	107.3	107.3	107.3	107.3	107.3	114.1	123.2	136.2
82.5°	97.2	88.7	84.1	80.7	80.7	80.7	80.7	80.7	84.1	88.7	97.2
85°	50.8	45.1	38.3	32.9	31.8	30.7	31.8	32.9	38.3	45.1	50.8
87.5°	17.0	16.2	17.3	17.7	18.9	18.3	18.9	17.7	17.3	16.2	17.0
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: P1428442

CATALOG NUMBER: SQ2W-PW1-K-100U-125D-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: P1428442

CATALOG NUMBER: SQ2W-PW1-K-100U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2682.3	2682.3	2682.3	2682.3
2.5°	2691.2	2694.8	2679.4	2663.9
5°	2690.0	2692.8	2673.5	2654.2
7.5°	2679.1	2680.0	2660.4	2640.9
10°	2669.5	2669.5	2649.1	2628.7
12.5°	2656.6	2655.0	2633.7	2612.3
15°	2627.8	2623.0	2600.3	2577.6
17.5°	2587.1	2582.6	2559.9	2537.2
20°	2557.1	2554.0	2531.3	2508.6
22.5°	2516.9	2516.8	2492.2	2467.7
25°	2443.0	2454.1	2430.3	2406.4
27.5°	2344.6	2373.5	2354.2	2334.9
30°	2267.6	2313.3	2298.5	2283.8
32.5°	2181.8	2242.0	2236.3	2230.7
35°	2042.8	2122.9	2133.1	2143.3
37.5°	1889.0	1979.2	2009.7	2040.1
40°	1781.4	1878.2	1921.3	1964.5
42.5°	1673.1	1772.6	1826.6	1880.7
45°	1511.5	1615.1	1678.6	1742.2
47.5°	1356.8	1460.1	1523.3	1586.4
50°	1252.6	1351.4	1412.7	1474.0
52.5°	1154.5	1249.6	1304.6	1359.5
55°	1009.1	1098.8	1151.0	1203.2
57.5°	871.3	951.9	997.1	1042.3
60°	783.4	860.6	900.3	940.1
62.5°	697.6	771.6	806.8	842.0
65°	581.6	642.6	668.7	694.8
67.5°	477.0	522.7	537.3	551.8
70°	413.0	450.7	455.3	459.8
72.5°	352.4	383.8	381.9	380.1
75°	268.2	289.0	279.9	270.8
77.5°	198.2	211.7	198.1	184.4
80°	153.3	162.6	149.0	135.4
82.5°	109.7	116.3	105.4	94.5
85°	55.3	57.3	51.7	46.0
87.5°	20.1	20.8	17.0	13.1
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



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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: P1428442
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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	20.84	21.74	21.72	22.64	23.77	17.08	17.99	17.96	18.88	20.02
	3H	22.14	22.95	23.03	23.85	25.02	18.36	19.16	19.25	20.07	21.23
	4H	22.55	23.31	23.46	24.22	25.40	18.86	19.63	19.77	20.54	21.71
	6H	22.73	23.44	23.65	24.35	25.54	19.18	19.88	20.10	20.79	21.98
	8H	22.78	23.44	23.71	24.38	25.56	19.29	19.96	20.22	20.89	22.08
	12H	22.78	23.41	23.71	24.34	25.55	19.32	19.96	20.26	20.89	22.09
4H	2H	20.97	21.73	21.89	22.65	23.82	17.90	18.66	18.81	19.57	20.74
	3H	22.52	23.15	23.44	24.09	25.28	19.35	19.98	20.27	20.92	22.11
	4H	23.06	23.64	24.00	24.58	25.79	19.93	20.51	20.86	21.44	22.65
	6H	23.38	23.87	24.33	24.83	26.05	20.32	20.81	21.27	21.77	22.98
	8H	23.47	23.93	24.42	24.89	26.11	20.47	20.93	21.42	21.88	23.11
	12H	23.49	23.91	24.46	24.88	26.11	20.51	20.93	21.48	21.90	23.13
8H	4H	23.11	23.57	24.06	24.52	25.75	20.28	20.74	21.23	21.69	22.92
	6H	23.53	23.91	24.51	24.91	26.13	20.77	21.15	21.75	22.15	23.37
	8H	23.70	24.04	24.69	25.02	26.27	20.99	21.33	21.97	22.31	23.55
	12H	23.78	24.08	24.77	25.06	26.35	21.07	21.37	22.06	22.35	23.64
12H	4H	23.07	23.48	24.04	24.46	25.69	20.30	20.71	21.27	21.69	22.92
	6H	23.52	23.86	24.51	24.85	26.09	20.85	21.18	21.83	22.17	23.41
	8H	23.71	24.01	24.70	24.99	26.28	21.09	21.39	22.08	22.37	23.66