

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: P1428262

Luminaire Tested: SQ2W-PR1-K-100U-075D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428262
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PR1-K-100U-075D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

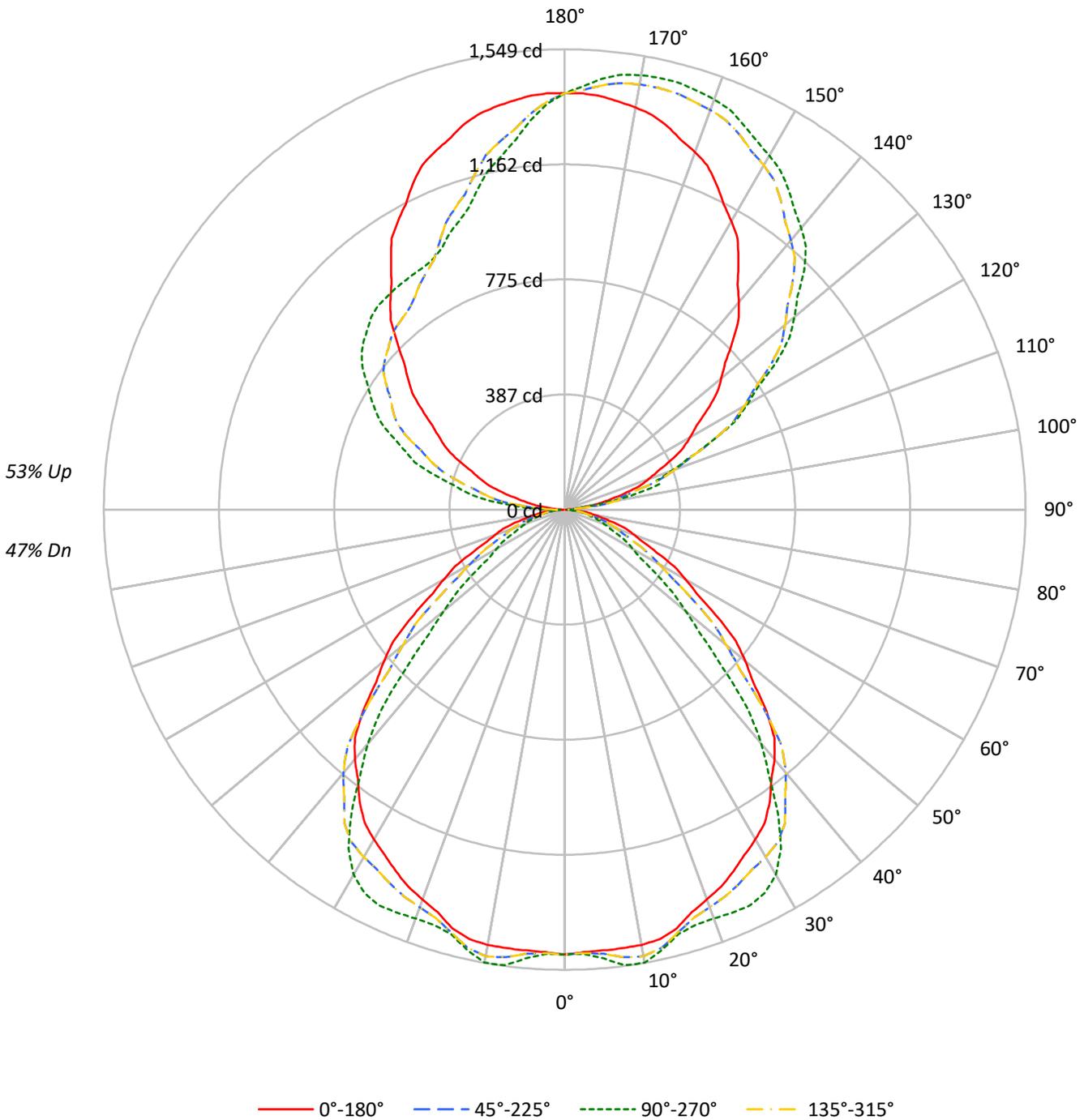
Lumens per Lamp: N/A
Luminaire Lumens: 7696.8 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 59.8
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	0
RCR																		
0	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53	47
1	98	94	90	87	90	86	83	80	72	70	68	60	58	57	48	47	46	41
2	89	82	77	72	82	76	71	67	64	60	57	53	51	48	43	41	40	35
3	82	73	66	60	75	67	61	56	57	52	49	47	44	41	38	36	34	30
4	75	65	57	51	69	60	53	48	51	46	42	43	39	36	35	32	30	26
5	69	58	50	44	63	54	47	42	46	41	36	38	34	31	31	29	26	23
6	64	52	44	39	59	48	41	36	41	36	32	35	31	28	29	26	23	21
7	59	47	39	34	54	44	37	32	38	32	28	32	28	25	26	23	21	18
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	24	21	19	16
9	51	39	32	27	47	36	30	25	31	26	23	27	23	20	22	19	17	15
10	48	36	29	24	44	34	27	23	29	24	20	25	21	18	21	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	24168	24168	24168	24168
5°	24137	24583	24137	24583
10°	24392	25392	24392	25392
15°	24384	24715	24384	24715
20°	23989	25170	23989	25170
25°	23922	26205	23922	26205
30°	23897	26457	23897	26457
35°	23670	24632	23670	24632
40°	23123	21677	23123	21677
45°	21881	17141	21881	17141
50°	19891	13300	19891	13300
55°	17480	10350	17480	10350
60°	15128	8525	15128	8525
65°	13058	7461	13058	7461
70°	11740	6628	11740	6628
75°	10755	6095	10755	6095
80°	9363	5960	9363	5960
85°	6780	2834	6780	2834

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 23491 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.6	1.9
10°-20°	418.5	5.4
20°-30°	646.9	8.4
30°-40°	778.0	10.1
40°-50°	698.6	9.1
50°-60°	468.1	6.1
60°-70°	272.3	3.5
70°-80°	139.9	1.8
80°-90°	40.3	0.5
90°-100°	111.5	1.4
100°-110°	325.1	4.2
110°-120°	530.5	6.9
120°-130°	673.2	8.7
130°-140°	720.3	9.4
140°-150°	672.6	8.7
150°-160°	553.5	7.2
160°-170°	371.2	4.8
170°-180°	131.8	1.7
0°-30°	1210.0	15.7
0°-40°	1987.9	25.8
0°-60°	3154.6	41.0
0°-90°	3607.1	46.9
90°-120°	967.1	12.6
90°-150°	3033.2	39.4
90°-180°	4090.0	53.1
0°-180°	7696.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1497	1497	1497	1497	1497	
5°	1489	1517	1489	1517	1489	142
15°	1459	1479	1459	1479	1459	410
25°	1343	1471	1343	1471	1343	619
35°	1201	1250	1201	1250	1201	749
45°	958	751	958	751	958	733
55°	621	368	621	368	621	558
65°	342	195	342	195	342	346
75°	172	98	172	98	172	183
85°	37	15	37	15	37	45
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°	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9
2.5°	1490.8	1499.0	1507.1	1503.4	1495.8	1492.3	1492.9	1493.7	1495.3	1496.9	1495.3
5°	1489.3	1500.8	1512.3	1509.6	1502.2	1499.1	1500.5	1503.2	1510.0	1516.8	1510.0
7.5°	1489.0	1505.4	1521.8	1523.1	1519.3	1519.3	1523.3	1528.5	1537.4	1546.4	1537.4
10°	1487.8	1507.4	1527.1	1530.0	1527.3	1526.3	1526.9	1529.8	1539.3	1548.8	1539.3
12.5°	1480.4	1503.4	1526.3	1523.9	1513.0	1507.1	1506.2	1506.8	1511.9	1517.1	1511.9
15°	1458.8	1485.9	1513.0	1502.0	1478.3	1467.4	1469.5	1471.8	1475.2	1478.6	1475.2
17.5°	1420.6	1449.0	1477.3	1467.4	1444.8	1437.1	1444.4	1451.6	1458.2	1464.9	1458.2
20°	1396.2	1424.0	1451.8	1445.0	1426.7	1422.3	1431.8	1441.8	1453.3	1464.9	1453.3
22.5°	1374.2	1402.0	1429.8	1425.5	1410.5	1409.6	1422.9	1436.8	1452.7	1468.5	1452.7
25°	1342.8	1367.2	1391.6	1392.1	1384.7	1392.1	1414.5	1435.7	1453.3	1471.0	1453.3
27.5°	1309.8	1324.2	1338.6	1348.1	1356.0	1375.0	1405.3	1431.0	1443.4	1455.7	1443.4
30°	1281.8	1291.3	1300.8	1318.4	1338.7	1362.1	1388.6	1409.6	1414.4	1419.1	1414.4
32.5°	1251.2	1256.9	1262.6	1287.5	1318.7	1341.2	1355.2	1364.2	1358.1	1352.0	1358.1
35°	1200.9	1205.6	1210.4	1242.1	1282.8	1297.7	1286.9	1275.5	1262.6	1249.7	1262.6
37.5°	1141.1	1150.8	1160.6	1186.4	1217.6	1217.4	1185.6	1158.1	1143.3	1128.6	1143.3
40°	1097.1	1113.4	1129.7	1147.0	1164.6	1149.7	1102.2	1062.4	1045.4	1028.5	1045.4
42.5°	1043.4	1069.5	1095.5	1099.4	1095.8	1063.8	1003.3	952.8	932.0	911.3	932.0
45°	958.3	993.5	1028.8	1008.6	970.0	917.8	852.0	796.9	773.8	750.7	773.8
47.5°	857.9	894.1	930.3	892.3	829.5	768.7	710.0	660.5	639.0	617.4	639.0
50°	791.9	821.1	850.3	807.2	740.1	679.0	624.1	577.0	553.2	529.5	553.2
52.5°	724.8	745.8	766.9	724.2	660.3	600.9	546.0	499.4	477.8	456.2	477.8
55°	621.0	631.9	642.7	603.2	547.0	492.7	440.5	397.6	382.7	367.7	382.7
57.5°	525.8	532.7	539.7	502.2	450.0	401.7	357.4	321.4	310.4	299.4	310.4
60°	468.5	473.2	477.9	440.0	387.8	344.3	309.8	281.6	272.8	264.0	272.8
62.5°	416.0	419.6	423.3	386.7	336.6	297.8	270.3	248.0	241.3	234.7	241.3
65°	341.8	345.2	348.6	317.4	274.7	242.8	221.8	204.8	200.1	195.3	200.1
67.5°	282.9	284.7	286.4	260.7	225.9	200.2	183.6	170.1	165.6	161.1	165.6
70°	248.7	249.4	250.1	227.4	196.8	174.1	159.2	147.2	143.8	140.4	143.8
72.5°	218.2	217.3	216.3	196.0	169.3	149.8	137.6	127.9	125.6	123.3	125.6
75°	172.4	170.4	168.4	151.6	129.9	115.0	106.8	100.4	99.0	97.7	99.0
77.5°	128.8	126.6	124.4	110.5	92.6	82.3	79.6	77.5	77.5	77.5	77.5
80°	100.7	98.0	95.3	84.4	70.9	64.1	64.1	64.1	64.1	64.1	64.1
82.5°	75.1	71.3	67.5	60.8	53.2	49.4	49.4	49.3	48.8	48.2	48.8
85°	36.6	33.2	29.8	29.0	29.0	27.0	22.9	19.3	17.3	15.3	17.3
87.5°	10.6	11.7	13.2	12.3	10.4	9.3	9.3	9.6	9.9	9.9	9.9
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



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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°	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9
2.5°	1493.7	1492.9	1492.3	1495.8	1503.4	1507.1	1499.0	1490.8	1499.0	1507.1	1503.4
5°	1503.2	1500.5	1499.1	1502.2	1509.6	1512.3	1500.8	1489.3	1500.8	1512.3	1509.6
7.5°	1528.5	1523.3	1519.3	1519.3	1523.1	1521.8	1505.4	1489.0	1505.4	1521.8	1523.1
10°	1529.8	1526.9	1526.3	1527.3	1530.0	1527.1	1507.4	1487.8	1507.4	1527.1	1530.0
12.5°	1506.8	1506.2	1507.1	1513.0	1523.9	1526.3	1503.4	1480.4	1503.4	1526.3	1523.9
15°	1471.8	1469.5	1467.4	1478.3	1502.0	1513.0	1485.9	1458.8	1485.9	1513.0	1502.0
17.5°	1451.6	1444.4	1437.1	1444.8	1467.4	1477.3	1449.0	1420.6	1449.0	1477.3	1467.4
20°	1441.8	1431.8	1422.3	1426.7	1445.0	1451.8	1424.0	1396.2	1424.0	1451.8	1445.0
22.5°	1436.8	1422.9	1409.6	1410.5	1425.5	1429.8	1402.0	1374.2	1402.0	1429.8	1425.5
25°	1435.7	1414.5	1392.1	1384.7	1392.1	1391.6	1367.2	1342.8	1367.2	1391.6	1392.1
27.5°	1431.0	1405.3	1375.0	1356.0	1348.1	1338.6	1324.2	1309.8	1324.2	1338.6	1348.1
30°	1409.6	1388.6	1362.1	1338.7	1318.4	1300.8	1291.3	1281.8	1291.3	1300.8	1318.4
32.5°	1364.2	1355.2	1341.2	1318.7	1287.5	1262.6	1256.9	1251.2	1256.9	1262.6	1287.5
35°	1275.5	1286.9	1297.7	1282.8	1242.1	1210.4	1205.6	1200.9	1205.6	1210.4	1242.1
37.5°	1158.1	1185.6	1217.4	1217.6	1186.4	1160.6	1150.8	1141.1	1150.8	1160.6	1186.4
40°	1062.4	1102.2	1149.7	1164.6	1147.0	1129.7	1113.4	1097.1	1113.4	1129.7	1147.0
42.5°	952.8	1003.3	1063.8	1095.8	1099.4	1095.5	1069.5	1043.4	1069.5	1095.5	1099.4
45°	796.9	852.0	917.8	970.0	1008.6	1028.8	993.5	958.3	993.5	1028.8	1008.6
47.5°	660.5	710.0	768.7	829.5	892.3	930.3	894.1	857.9	894.1	930.3	892.3
50°	577.0	624.1	679.0	740.1	807.2	850.3	821.1	791.9	821.1	850.3	807.2
52.5°	499.4	546.0	600.9	660.3	724.2	766.9	745.8	724.8	745.8	766.9	724.2
55°	397.6	440.5	492.7	547.0	603.2	642.7	631.9	621.0	631.9	642.7	603.2
57.5°	321.4	357.4	401.7	450.0	502.2	539.7	532.7	525.8	532.7	539.7	502.2
60°	281.6	309.8	344.3	387.8	440.0	477.9	473.2	468.5	473.2	477.9	440.0
62.5°	248.0	270.3	297.8	336.6	386.7	423.3	419.6	416.0	419.6	423.3	386.7
65°	204.8	221.8	242.8	274.7	317.4	348.6	345.2	341.8	345.2	348.6	317.4
67.5°	170.1	183.6	200.2	225.9	260.7	286.4	284.7	282.9	284.7	286.4	260.7
70°	147.2	159.2	174.1	196.8	227.4	250.1	249.4	248.7	249.4	250.1	227.4
72.5°	127.9	137.6	149.8	169.3	196.0	216.3	217.3	218.2	217.3	216.3	196.0
75°	100.4	106.8	115.0	129.9	151.6	168.4	170.4	172.4	170.4	168.4	151.6
77.5°	77.5	79.6	82.3	92.6	110.5	124.4	126.6	128.8	126.6	124.4	110.5
80°	64.1	64.1	64.1	70.9	84.4	95.3	98.0	100.7	98.0	95.3	84.4
82.5°	49.3	49.4	49.4	53.2	60.8	67.5	71.3	75.1	71.3	67.5	60.8
85°	19.3	22.9	27.0	29.0	29.0	29.8	33.2	36.6	33.2	29.8	29.0
87.5°	9.6	9.3	9.3	10.4	12.3	13.2	11.7	10.6	11.7	12.9	12.8
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: P1428262

CATALOG NUMBER: SQ2W-PR1-K-100U-075D-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: P1428262

CATALOG NUMBER: SQ2W-PR1-K-100U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9	1496.9
2.5°	1495.8	1492.3	1492.9	1493.7	1495.3	1496.9	1495.3	1493.7	1492.9	1492.3	1495.8
5°	1502.2	1499.1	1500.5	1503.2	1510.0	1516.8	1510.0	1503.2	1500.5	1499.1	1502.2
7.5°	1519.3	1519.3	1523.3	1528.5	1537.4	1546.4	1537.4	1528.5	1523.3	1519.3	1519.3
10°	1527.3	1526.3	1526.9	1529.8	1539.3	1548.8	1539.3	1529.8	1526.9	1526.3	1527.3
12.5°	1513.0	1507.1	1506.2	1506.8	1511.9	1517.1	1511.9	1506.8	1506.2	1507.1	1513.0
15°	1478.3	1467.4	1469.5	1471.8	1475.2	1478.6	1475.2	1471.8	1469.5	1467.4	1478.3
17.5°	1444.8	1437.1	1444.4	1451.6	1458.2	1464.9	1458.2	1451.6	1444.4	1437.1	1444.8
20°	1426.7	1422.3	1431.8	1441.8	1453.3	1464.9	1453.3	1441.8	1431.8	1422.3	1426.7
22.5°	1410.5	1409.6	1422.9	1436.8	1452.7	1468.5	1452.7	1436.8	1422.9	1409.6	1410.5
25°	1384.7	1392.1	1414.5	1435.7	1453.3	1471.0	1453.3	1435.7	1414.5	1392.1	1384.7
27.5°	1356.0	1375.0	1405.3	1431.0	1443.4	1455.7	1443.4	1431.0	1405.3	1375.0	1356.0
30°	1338.7	1362.1	1388.6	1409.6	1414.4	1419.1	1414.4	1409.6	1388.6	1362.1	1338.7
32.5°	1318.7	1341.2	1355.2	1364.2	1358.1	1352.0	1358.1	1364.2	1355.2	1341.2	1318.7
35°	1282.8	1297.7	1286.9	1275.5	1262.6	1249.7	1262.6	1275.5	1286.9	1297.7	1282.8
37.5°	1217.6	1217.4	1185.6	1158.1	1143.3	1128.6	1143.3	1158.1	1185.6	1217.4	1217.6
40°	1164.6	1149.7	1102.2	1062.4	1045.4	1028.5	1045.4	1062.4	1102.2	1149.7	1164.6
42.5°	1095.8	1063.8	1003.3	952.8	932.0	911.3	932.0	952.8	1003.3	1063.8	1095.8
45°	970.0	917.8	852.0	796.9	773.8	750.7	773.8	796.9	852.0	917.8	970.0
47.5°	829.5	768.7	710.0	660.5	639.0	617.4	639.0	660.5	710.0	768.7	829.5
50°	740.1	679.0	624.1	577.0	553.2	529.5	553.2	577.0	624.1	679.0	740.1
52.5°	660.3	600.9	546.0	499.4	477.8	456.2	477.8	499.4	546.0	600.9	660.3
55°	547.0	492.7	440.5	397.6	382.7	367.7	382.7	397.6	440.5	492.7	547.0
57.5°	450.0	401.7	357.4	321.4	310.4	299.4	310.4	321.4	357.4	401.7	450.0
60°	387.8	344.3	309.8	281.6	272.8	264.0	272.8	281.6	309.8	344.3	387.8
62.5°	336.6	297.8	270.3	248.0	241.3	234.7	241.3	248.0	270.3	297.8	336.6
65°	274.7	242.8	221.8	204.8	200.1	195.3	200.1	204.8	221.8	242.8	274.7
67.5°	225.9	200.2	183.6	170.1	165.6	161.1	165.6	170.1	183.6	200.2	225.9
70°	196.8	174.1	159.2	147.2	143.8	140.4	143.8	147.2	159.2	174.1	196.8
72.5°	169.3	149.8	137.6	127.9	125.6	123.3	125.6	127.9	137.6	149.8	169.3
75°	129.9	115.0	106.8	100.4	99.0	97.7	99.0	100.4	106.8	115.0	129.9
77.5°	92.6	82.3	79.6	77.5	77.5	77.5	77.5	77.5	79.6	82.3	92.6
80°	70.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	70.9
82.5°	53.2	49.4	49.4	49.3	48.8	48.2	48.8	49.3	49.4	49.4	53.2
85°	29.0	27.0	22.9	19.3	17.3	15.3	17.3	19.3	22.9	27.0	29.0
87.5°	11.5	12.2	14.1	15.3	16.4	15.8	16.4	15.3	14.1	12.2	11.5
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: P1428262

CATALOG NUMBER: SQ2W-PR1-K-100U-075D-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: P1428262

CATALOG NUMBER: SQ2W-PR1-K-100U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1496.9	1496.9	1496.9	1496.9
2.5°	1503.4	1507.1	1499.0	1490.8
5°	1509.6	1512.3	1500.8	1489.3
7.5°	1523.1	1521.8	1505.4	1489.0
10°	1530.0	1527.1	1507.4	1487.8
12.5°	1523.9	1526.3	1503.4	1480.4
15°	1502.0	1513.0	1485.9	1458.8
17.5°	1467.4	1477.3	1449.0	1420.6
20°	1445.0	1451.8	1424.0	1396.2
22.5°	1425.5	1429.8	1402.0	1374.2
25°	1392.1	1391.6	1367.2	1342.8
27.5°	1348.1	1338.6	1324.2	1309.8
30°	1318.4	1300.8	1291.3	1281.8
32.5°	1287.5	1262.6	1256.9	1251.2
35°	1242.1	1210.4	1205.6	1200.9
37.5°	1186.4	1160.6	1150.8	1141.1
40°	1147.0	1129.7	1113.4	1097.1
42.5°	1099.4	1095.5	1069.5	1043.4
45°	1008.6	1028.8	993.5	958.3
47.5°	892.3	930.3	894.1	857.9
50°	807.2	850.3	821.1	791.9
52.5°	724.2	766.9	745.8	724.8
55°	603.2	642.7	631.9	621.0
57.5°	502.2	539.7	532.7	525.8
60°	440.0	477.9	473.2	468.5
62.5°	386.7	423.3	419.6	416.0
65°	317.4	348.6	345.2	341.8
67.5°	260.7	286.4	284.7	282.9
70°	227.4	250.1	249.4	248.7
72.5°	196.0	216.3	217.3	218.2
75°	151.6	168.4	170.4	172.4
77.5°	110.5	124.4	126.6	128.8
80°	84.4	95.3	98.0	100.7
82.5°	60.8	67.5	71.3	75.1
85°	29.0	29.8	33.2	36.6
87.5°	12.8	12.9	11.7	10.6
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: P1428262

CATALOG NUMBER: SQ2W-PR1-K-100U-075D-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: P1428262
 CATALOG NUMBER: SQ2W-PR1-K-100U-075D-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	17.43	18.23	18.43	19.23	20.55	13.80	14.60	14.80	15.60	16.92
	3H	18.64	19.35	19.64	20.36	21.70	14.96	15.67	15.96	16.68	18.02
	4H	19.12	19.79	20.14	20.80	22.15	15.42	16.09	16.44	17.11	18.45
	6H	19.41	20.03	20.44	21.05	22.41	15.76	16.38	16.79	17.39	18.75
	8H	19.52	20.10	20.55	21.13	22.49	15.90	16.48	16.93	17.52	18.87
	12H	19.55	20.11	20.59	21.14	22.52	15.93	16.48	16.96	17.51	18.89
4H	2H	17.53	18.20	18.55	19.21	20.56	14.51	15.18	15.53	16.19	17.54
	3H	18.99	19.54	20.02	20.58	21.94	15.86	16.41	16.89	17.45	18.82
	4H	19.61	20.12	20.65	21.15	22.54	16.40	16.91	17.44	17.94	19.33
	6H	20.04	20.48	21.09	21.53	22.91	16.83	17.27	17.88	18.32	19.70
	8H	20.20	20.61	21.25	21.65	23.05	17.01	17.42	18.06	18.47	19.86
	12H	20.26	20.63	21.33	21.69	23.09	17.06	17.43	18.12	18.49	19.89
8H	4H	19.63	20.04	20.68	21.09	22.48	16.72	17.13	17.77	18.18	19.57
	6H	20.16	20.50	21.23	21.59	22.98	17.26	17.60	18.33	18.69	20.08
	8H	20.40	20.69	21.47	21.77	23.18	17.52	17.82	18.60	18.89	20.30
	12H	20.51	20.77	21.59	21.84	23.30	17.61	17.88	18.70	18.94	20.40
12H	4H	19.59	19.96	20.65	21.02	22.42	16.74	17.11	17.81	18.17	19.57
	6H	20.15	20.45	21.23	21.52	22.93	17.33	17.63	18.41	18.70	20.11
	8H	20.40	20.66	21.48	21.73	23.18	17.62	17.88	18.70	18.95	20.40