

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: P1428257

Luminaire Tested: SQ2W-PR1-K-100U-075D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428257
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-L830-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

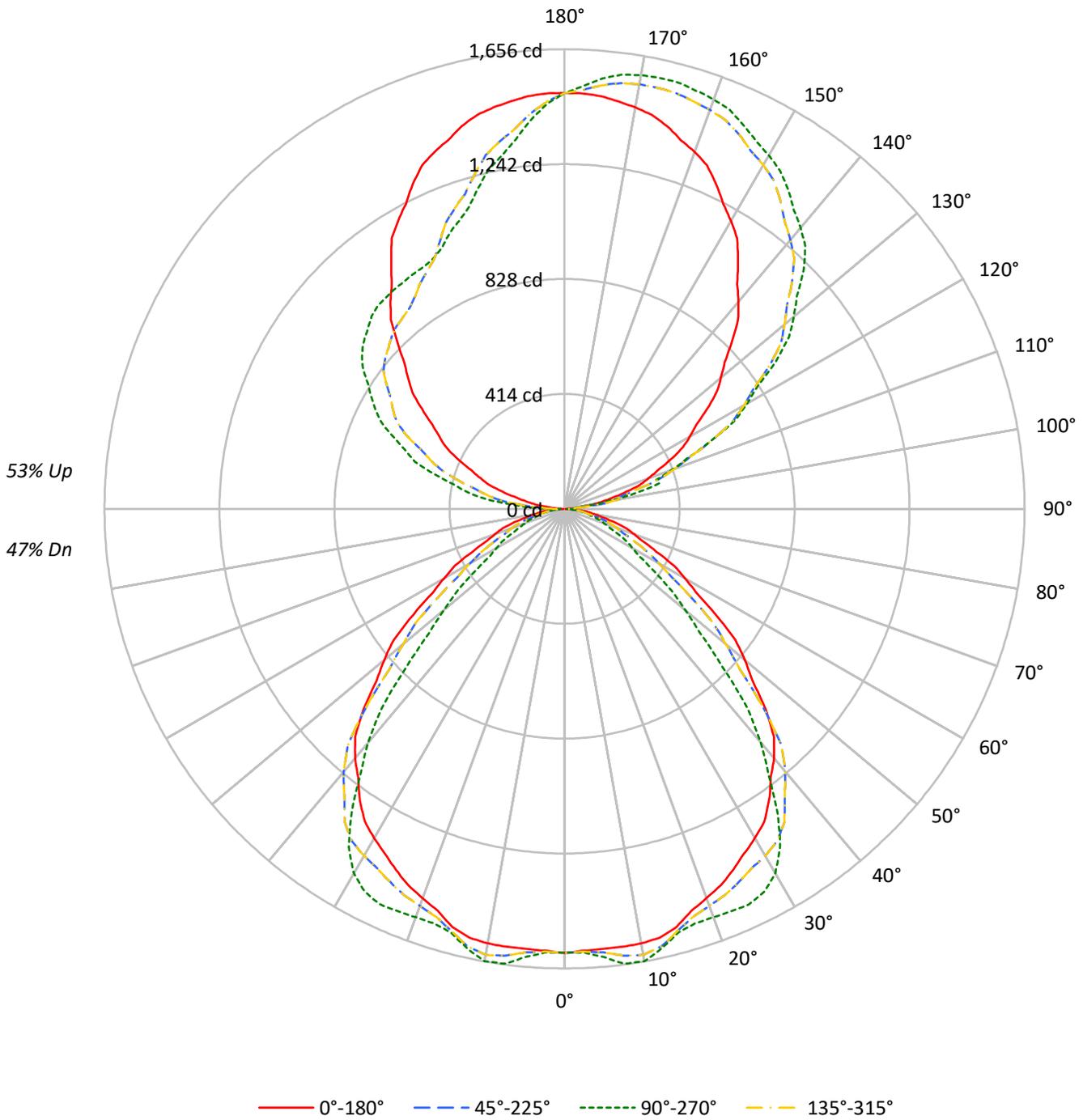
Lumens per Lamp: N/A
Luminaire Lumens: 8227.0 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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°	25834	25834	25834	25834
5°	25800	26277	25800	26277
10°	26072	27141	26072	27141
15°	26064	26418	26064	26418
20°	25642	26903	25642	26903
25°	25569	28010	25569	28010
30°	25543	28280	25543	28280
35°	25300	26329	25300	26329
40°	24716	23169	24716	23169
45°	23388	18324	23388	18324
50°	21262	14217	21262	14217
55°	18685	11065	18685	11065
60°	16168	9113	16168	9113
65°	13960	7977	13960	7977
70°	12552	7086	12552	7086
75°	11497	6513	11497	6513
80°	10004	6369	10004	6369
85°	7243	3020	7243	3020

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 25110 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.5	1.9
10°-20°	447.3	5.4
20°-30°	691.5	8.4
30°-40°	831.6	10.1
40°-50°	746.7	9.1
50°-60°	500.3	6.1
60°-70°	291.1	3.5
70°-80°	149.5	1.8
80°-90°	43.1	0.5
90°-100°	119.2	1.4
100°-110°	347.5	4.2
110°-120°	567.1	6.9
120°-130°	719.6	8.7
130°-140°	770.0	9.4
140°-150°	719.0	8.7
150°-160°	591.6	7.2
160°-170°	396.8	4.8
170°-180°	140.9	1.7
0°-30°	1293.3	15.7
0°-40°	2124.9	25.8
0°-60°	3372.0	41.0
0°-90°	3855.6	46.9
90°-120°	1033.7	12.6
90°-150°	3242.2	39.4
90°-180°	4371.0	53.1
0°-180°	8227.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1600	1600	1600	1600	1600	
5°	1592	1621	1592	1621	1592	152
15°	1559	1580	1559	1580	1559	438
25°	1435	1572	1435	1572	1435	662
35°	1284	1336	1284	1336	1284	800
45°	1024	802	1024	802	1024	784
55°	664	393	664	393	664	597
65°	365	209	365	209	365	370
75°	184	104	184	104	184	196
85°	39	16	39	16	39	49
90°	4	33	4	65	4	5
95°	47	35	47	204	47	57
105°	221	354	221	487	221	235
115°	423	587	423	723	423	417
125°	626	930	626	886	626	560
135°	851	1217	851	982	851	658
145°	1087	1403	1087	1003	1087	680
155°	1292	1524	1292	1040	1292	594
165°	1428	1589	1428	1198	1428	402
175°	1493	1556	1493	1405	1493	142
180°	1497	1497	1497	1497	1497	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1
2.5°	1593.5	1602.2	1610.9	1607.0	1598.9	1595.1	1595.7	1596.6	1598.3	1600.1	1598.3
5°	1591.9	1604.2	1616.5	1613.6	1605.7	1602.4	1603.9	1606.8	1614.0	1621.3	1614.0
7.5°	1591.6	1609.1	1626.7	1628.0	1623.9	1624.0	1628.2	1633.8	1643.3	1652.9	1643.3
10°	1590.3	1611.3	1632.3	1635.4	1632.5	1631.4	1632.1	1635.2	1645.4	1655.5	1645.4
12.5°	1582.4	1606.9	1631.4	1628.9	1617.3	1611.0	1609.9	1610.6	1616.1	1621.6	1616.1
15°	1559.3	1588.3	1617.3	1605.5	1580.1	1568.5	1570.7	1573.2	1576.9	1580.5	1576.9
17.5°	1518.5	1548.8	1579.1	1568.5	1544.3	1536.1	1543.9	1551.6	1558.7	1565.8	1558.7
20°	1492.4	1522.1	1551.8	1544.6	1525.0	1520.3	1530.5	1541.2	1553.5	1565.8	1553.5
22.5°	1468.9	1498.6	1528.4	1523.7	1507.6	1506.7	1520.9	1535.8	1552.8	1569.7	1552.8
25°	1435.3	1461.4	1487.5	1488.1	1480.1	1488.1	1512.0	1534.6	1553.5	1572.3	1553.5
27.5°	1400.1	1415.5	1430.8	1441.0	1449.4	1469.8	1502.1	1529.6	1542.8	1556.0	1542.8
30°	1370.1	1380.2	1390.4	1409.2	1431.0	1456.0	1484.2	1506.7	1511.8	1516.9	1511.8
32.5°	1337.5	1343.5	1349.6	1376.2	1409.5	1433.7	1448.6	1458.2	1451.6	1445.1	1451.6
35°	1283.6	1288.7	1293.8	1327.7	1371.2	1387.1	1375.5	1363.4	1349.6	1335.8	1349.6
37.5°	1219.7	1230.1	1240.6	1268.2	1301.5	1301.2	1267.3	1237.9	1222.1	1206.3	1222.1
40°	1172.7	1190.1	1207.5	1226.0	1244.8	1228.9	1178.2	1135.6	1117.4	1099.3	1117.4
42.5°	1115.3	1143.1	1171.0	1175.1	1171.3	1137.1	1072.5	1018.4	996.2	974.1	996.2
45°	1024.3	1062.0	1099.7	1078.1	1036.8	981.0	910.7	851.8	827.1	802.5	827.1
47.5°	917.0	955.7	994.4	953.7	886.6	821.6	758.9	706.0	683.0	659.9	683.0
50°	846.5	877.7	908.9	862.8	791.1	725.8	667.1	616.7	591.3	566.0	591.3
52.5°	774.7	797.2	819.7	774.1	705.8	642.3	583.6	533.8	510.7	487.7	510.7
55°	663.8	675.4	687.0	644.8	584.6	526.6	470.8	425.0	409.0	393.1	409.0
57.5°	562.1	569.5	576.8	536.8	481.0	429.4	382.0	343.5	331.8	320.0	331.8
60°	500.7	505.8	510.9	470.3	414.5	368.1	331.1	301.0	291.6	282.2	291.6
62.5°	444.6	448.5	452.5	413.3	359.8	318.3	288.9	265.1	258.0	250.9	258.0
65°	365.4	369.0	372.6	339.3	293.6	259.5	237.0	218.9	213.8	208.8	213.8
67.5°	302.4	304.3	306.2	278.7	241.4	214.0	196.3	181.8	177.0	172.2	177.0
70°	265.9	266.6	267.3	243.0	210.4	186.1	170.2	157.3	153.7	150.1	153.7
72.5°	233.2	232.2	231.2	209.5	181.0	160.2	147.1	136.7	134.3	131.8	134.3
75°	184.3	182.1	180.0	162.0	138.8	122.9	114.2	107.3	105.8	104.4	105.8
77.5°	137.7	135.3	133.0	118.1	98.9	87.9	85.0	82.9	82.9	82.9	82.9
80°	107.6	104.7	101.8	90.3	75.8	68.5	68.5	68.5	68.5	68.5	68.5
82.5°	80.2	76.2	72.1	65.0	56.9	52.8	52.8	52.7	52.1	51.5	52.1
85°	39.1	35.5	31.9	31.0	31.0	28.8	24.5	20.7	18.5	16.3	18.5
87.5°	11.3	12.6	14.1	13.1	11.1	10.0	10.0	10.3	10.6	10.6	10.6
90°	4.5	10.6	18.1	24.2	28.7	30.2	30.2	31.8	33.3	33.3	33.3
92.5°	16.6	26.3	26.6	26.6	32.4	35.1	37.5	37.8	39.3	39.3	39.3
95°	46.9	51.4	77.1	75.6	51.4	40.8	34.8	34.8	34.8	34.8	34.8
97.5°	89.5	96.2	100.4	134.6	142.2	137.3	111.9	94.1	84.1	79.5	84.1
100°	127.0	130.1	139.1	140.6	178.4	214.7	196.6	173.9	166.4	161.8	166.4
102.5°	164.5	166.4	180.3	186.6	195.4	216.0	278.9	271.9	266.8	265.9	266.8
105°	220.8	222.3	248.0	260.1	266.2	266.2	264.7	294.9	343.3	353.9	343.3
107.5°	281.0	287.9	318.2	350.5	357.5	359.3	351.5	346.9	345.1	346.3	345.1
110°	322.1	332.7	369.0	409.8	420.4	423.4	420.4	415.9	412.9	412.9	412.9

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	362.0	377.5	418.6	465.5	483.3	492.4	485.7	482.4	479.4	481.8	479.4
115°	423.4	446.1	500.6	549.0	585.3	589.8	588.3	588.3	586.8	586.8	586.8
117.5°	480.3	516.6	577.7	634.0	676.0	688.1	694.1	692.3	690.5	693.5	690.5
120°	520.2	562.6	632.1	695.7	736.5	754.6	760.7	757.7	760.7	757.7	760.7
122.5°	562.6	614.6	682.9	748.9	797.0	817.5	824.8	825.4	826.0	824.2	826.0
125°	626.1	689.6	769.8	837.8	887.7	911.9	918.0	919.5	922.5	930.1	922.5
127.5°	690.2	762.2	850.2	915.8	967.0	996.3	1005.7	1009.0	1015.3	1018.7	1015.3
130°	735.0	816.6	905.9	967.9	1017.8	1049.5	1066.2	1070.7	1078.3	1076.7	1078.3
132.5°	782.2	867.4	957.9	1022.3	1068.6	1102.8	1117.0	1130.0	1132.7	1134.8	1132.7
135°	851.4	943.7	1034.4	1097.9	1141.8	1175.0	1193.2	1205.3	1212.9	1217.4	1212.9
137.5°	924.3	1021.7	1108.8	1165.4	1209.5	1238.3	1258.8	1271.5	1279.4	1283.0	1279.4
140°	973.9	1067.7	1152.4	1211.3	1250.7	1279.4	1297.5	1312.7	1321.7	1321.7	1321.7
142.5°	1021.1	1113.6	1195.9	1254.9	1289.4	1315.7	1335.0	1346.5	1356.8	1356.8	1356.8
145°	1087.3	1179.6	1255.2	1314.2	1342.9	1367.1	1388.3	1397.4	1403.4	1403.4	1403.4
147.5°	1156.6	1238.3	1307.2	1363.8	1388.0	1416.4	1433.0	1440.3	1447.9	1444.5	1447.9
150°	1197.7	1273.3	1339.9	1392.8	1417.0	1444.2	1460.9	1466.9	1474.5	1469.9	1474.5
152.5°	1237.7	1309.6	1370.1	1419.4	1440.0	1467.2	1486.3	1492.3	1497.5	1494.1	1497.5
155°	1291.5	1355.0	1411.0	1456.3	1474.5	1500.2	1518.3	1525.9	1531.9	1524.4	1531.9
157.5°	1339.6	1394.3	1443.0	1484.8	1504.1	1526.2	1543.1	1552.5	1558.6	1555.2	1558.6
160°	1368.6	1418.5	1462.4	1501.7	1519.8	1539.5	1557.7	1568.2	1574.3	1569.8	1574.3
162.5°	1392.8	1437.9	1479.3	1515.0	1530.7	1548.0	1569.8	1579.1	1585.2	1579.4	1585.2
165°	1427.6	1463.9	1500.2	1530.4	1544.0	1557.7	1580.3	1590.9	1595.5	1589.4	1595.5
167.5°	1453.9	1481.7	1511.1	1537.1	1547.1	1560.4	1583.1	1591.8	1597.6	1590.0	1597.6
170°	1468.4	1492.6	1518.3	1539.5	1547.1	1559.2	1581.9	1589.4	1593.9	1586.4	1593.9
172.5°	1480.5	1498.7	1519.5	1538.3	1542.2	1551.9	1573.4	1580.9	1584.3	1577.9	1584.3
175°	1492.6	1503.2	1518.3	1530.4	1528.9	1535.0	1553.1	1559.2	1565.2	1556.1	1565.2
177.5°	1498.4	1503.2	1508.1	1515.3	1510.5	1510.5	1523.8	1527.4	1528.6	1523.8	1528.6
180°	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1
2.5°	1596.6	1595.7	1595.1	1598.9	1607.0	1610.9	1602.2	1593.5	1602.2	1610.9	1607.0
5°	1606.8	1603.9	1602.4	1605.7	1613.6	1616.5	1604.2	1591.9	1604.2	1616.5	1613.6
7.5°	1633.8	1628.2	1624.0	1623.9	1628.0	1626.7	1609.1	1591.6	1609.1	1626.7	1628.0
10°	1635.2	1632.1	1631.4	1632.5	1635.4	1632.3	1611.3	1590.3	1611.3	1632.3	1635.4
12.5°	1610.6	1609.9	1611.0	1617.3	1628.9	1631.4	1606.9	1582.4	1606.9	1631.4	1628.9
15°	1573.2	1570.7	1568.5	1580.1	1605.5	1617.3	1588.3	1559.3	1588.3	1617.3	1605.5
17.5°	1551.6	1543.9	1536.1	1544.3	1568.5	1579.1	1548.8	1518.5	1548.8	1579.1	1568.5
20°	1541.2	1530.5	1520.3	1525.0	1544.6	1551.8	1522.1	1492.4	1522.1	1551.8	1544.6
22.5°	1535.8	1520.9	1506.7	1507.6	1523.7	1528.4	1498.6	1468.9	1498.6	1528.4	1523.7
25°	1534.6	1512.0	1488.1	1480.1	1488.1	1487.5	1461.4	1435.3	1461.4	1487.5	1488.1
27.5°	1529.6	1502.1	1469.8	1449.4	1441.0	1430.8	1415.5	1400.1	1415.5	1430.8	1441.0
30°	1506.7	1484.2	1456.0	1431.0	1409.2	1390.4	1380.2	1370.1	1380.2	1390.4	1409.2
32.5°	1458.2	1448.6	1433.7	1409.5	1376.2	1349.6	1343.5	1337.5	1343.5	1349.6	1376.2
35°	1363.4	1375.5	1387.1	1371.2	1327.7	1293.8	1288.7	1283.6	1288.7	1293.8	1327.7
37.5°	1237.9	1267.3	1301.2	1301.5	1268.2	1240.6	1230.1	1219.7	1230.1	1240.6	1268.2
40°	1135.6	1178.2	1228.9	1244.8	1226.0	1207.5	1190.1	1172.7	1190.1	1207.5	1226.0
42.5°	1018.4	1072.5	1137.1	1171.3	1175.1	1171.0	1143.1	1115.3	1143.1	1171.0	1175.1
45°	851.8	910.7	981.0	1036.8	1078.1	1099.7	1062.0	1024.3	1062.0	1099.7	1078.1
47.5°	706.0	758.9	821.6	886.6	953.7	994.4	955.7	917.0	955.7	994.4	953.7
50°	616.7	667.1	725.8	791.1	862.8	908.9	877.7	846.5	877.7	908.9	862.8
52.5°	533.8	583.6	642.3	705.8	774.1	819.7	797.2	774.7	797.2	819.7	774.1
55°	425.0	470.8	526.6	584.6	644.8	687.0	675.4	663.8	675.4	687.0	644.8
57.5°	343.5	382.0	429.4	481.0	536.8	576.8	569.5	562.1	569.5	576.8	536.8
60°	301.0	331.1	368.1	414.5	470.3	510.9	505.8	500.7	505.8	510.9	470.3
62.5°	265.1	288.9	318.3	359.8	413.3	452.5	448.5	444.6	448.5	452.5	413.3
65°	218.9	237.0	259.5	293.6	339.3	372.6	369.0	365.4	369.0	372.6	339.3
67.5°	181.8	196.3	214.0	241.4	278.7	306.2	304.3	302.4	304.3	306.2	278.7
70°	157.3	170.2	186.1	210.4	243.0	267.3	266.6	265.9	266.6	267.3	243.0
72.5°	136.7	147.1	160.2	181.0	209.5	231.2	232.2	233.2	232.2	231.2	209.5
75°	107.3	114.2	122.9	138.8	162.0	180.0	182.1	184.3	182.1	180.0	162.0
77.5°	82.9	85.0	87.9	98.9	118.1	133.0	135.3	137.7	135.3	133.0	118.1
80°	68.5	68.5	68.5	75.8	90.3	101.8	104.7	107.6	104.7	101.8	90.3
82.5°	52.7	52.8	52.8	56.9	65.0	72.1	76.2	80.2	76.2	72.1	65.0
85°	20.7	24.5	28.8	31.0	31.0	31.9	35.5	39.1	35.5	31.9	31.0
87.5°	10.3	10.0	10.0	11.1	13.1	14.1	12.6	11.3	12.6	13.8	13.7
90°	31.8	30.2	30.2	28.7	24.2	18.1	10.6	4.5	10.6	16.6	27.2
92.5°	37.8	37.5	35.1	32.4	26.6	26.6	26.3	16.6	28.7	40.8	58.7
95°	34.8	34.8	40.8	51.4	75.6	77.1	51.4	46.9	66.5	93.8	118.0
97.5°	94.1	111.9	137.3	142.2	134.6	100.4	96.2	89.5	121.9	148.8	187.8
100°	173.9	196.6	214.7	178.4	140.6	139.1	130.1	127.0	161.8	187.5	225.3
102.5°	271.9	278.9	216.0	195.4	186.6	180.3	166.4	164.5	199.3	234.7	266.5
105°	294.9	264.7	266.2	266.2	260.1	248.0	222.3	220.8	260.1	300.9	340.3
107.5°	346.9	351.5	359.3	357.5	350.5	318.2	287.9	281.0	316.4	365.4	408.6
110°	415.9	420.4	423.4	420.4	409.8	369.0	332.7	322.1	353.9	405.3	452.2



TEST NUMBER: P1428257

CATALOG NUMBER: SQ2W-PR1-K-100U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	482.4	485.7	492.4	483.3	465.5	418.6	377.5	362.0	393.8	446.4	494.5
115°	588.3	588.3	589.8	585.3	549.0	500.6	446.1	423.4	450.7	499.1	552.0
117.5°	692.3	694.1	688.1	676.0	634.0	577.7	516.6	480.3	501.8	552.9	607.3
120°	757.7	760.7	754.6	736.5	695.7	632.1	562.6	520.2	536.9	586.8	641.2
122.5°	825.4	824.8	817.5	797.0	748.9	682.9	614.6	562.6	569.5	615.8	669.0
125°	919.5	918.0	911.9	887.7	837.8	769.8	689.6	626.1	617.0	656.3	710.8
127.5°	1009.0	1005.7	996.3	967.0	915.8	850.2	762.2	690.2	669.9	694.7	744.6
130°	1070.7	1066.2	1049.5	1017.8	967.9	905.9	816.6	735.0	706.2	721.4	765.2
132.5°	1130.0	1117.0	1102.8	1068.6	1022.3	957.9	867.4	782.2	742.5	749.2	783.4
135°	1205.3	1193.2	1175.0	1141.8	1097.9	1034.4	943.7	851.4	797.0	790.9	810.6
137.5°	1271.5	1258.8	1238.3	1209.5	1165.4	1108.8	1021.7	924.3	855.7	835.4	842.9
140°	1312.7	1297.5	1279.4	1250.7	1211.3	1152.4	1067.7	973.9	896.8	868.1	863.5
142.5°	1346.5	1335.0	1315.7	1289.4	1254.9	1195.9	1113.6	1021.1	939.1	901.9	891.3
145°	1397.4	1388.3	1367.1	1342.9	1314.2	1255.2	1179.6	1087.3	1005.7	957.3	934.6
147.5°	1440.3	1433.0	1416.4	1388.0	1363.8	1307.2	1238.3	1156.6	1072.8	1012.9	983.6
150°	1466.9	1460.9	1444.2	1417.0	1392.8	1339.9	1273.3	1197.7	1117.6	1054.1	1016.3
152.5°	1492.3	1486.3	1467.2	1440.0	1419.4	1370.1	1309.6	1237.7	1156.3	1092.8	1053.8
155°	1525.9	1518.3	1500.2	1474.5	1456.3	1411.0	1355.0	1291.5	1221.9	1155.4	1111.5
157.5°	1552.5	1543.1	1526.2	1504.1	1484.8	1443.0	1394.3	1339.6	1278.8	1215.3	1170.5
160°	1568.2	1557.7	1539.5	1519.8	1501.7	1462.4	1418.5	1368.6	1312.7	1255.2	1206.8
162.5°	1579.1	1569.8	1548.0	1530.7	1515.0	1479.3	1437.9	1392.8	1342.9	1292.7	1247.9
165°	1590.9	1580.3	1557.7	1544.0	1530.4	1500.2	1463.9	1427.6	1385.3	1344.4	1308.1
167.5°	1591.8	1583.1	1560.4	1547.1	1537.1	1511.1	1481.7	1453.9	1420.9	1388.9	1358.6
170°	1589.4	1581.9	1559.2	1547.1	1539.5	1518.3	1492.6	1468.4	1442.7	1415.5	1391.3
172.5°	1580.9	1573.4	1551.9	1542.2	1538.3	1519.5	1498.7	1480.5	1458.4	1438.5	1419.1
175°	1559.2	1553.1	1535.0	1528.9	1530.4	1518.3	1503.2	1492.6	1479.0	1466.9	1456.3
177.5°	1527.4	1523.8	1510.5	1510.5	1515.3	1508.1	1503.2	1498.4	1492.3	1488.7	1485.1
180°	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2



TEST NUMBER: P1428257

CATALOG NUMBER: SQ2W-PR1-K-100U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1	1600.1
2.5°	1598.9	1595.1	1595.7	1596.6	1598.3	1600.1	1598.3	1596.6	1595.7	1595.1	1598.9
5°	1605.7	1602.4	1603.9	1606.8	1614.0	1621.3	1614.0	1606.8	1603.9	1602.4	1605.7
7.5°	1623.9	1624.0	1628.2	1633.8	1643.3	1652.9	1643.3	1633.8	1628.2	1624.0	1623.9
10°	1632.5	1631.4	1632.1	1635.2	1645.4	1655.5	1645.4	1635.2	1632.1	1631.4	1632.5
12.5°	1617.3	1611.0	1609.9	1610.6	1616.1	1621.6	1616.1	1610.6	1609.9	1611.0	1617.3
15°	1580.1	1568.5	1570.7	1573.2	1576.9	1580.5	1576.9	1573.2	1570.7	1568.5	1580.1
17.5°	1544.3	1536.1	1543.9	1551.6	1558.7	1565.8	1558.7	1551.6	1543.9	1536.1	1544.3
20°	1525.0	1520.3	1530.5	1541.2	1553.5	1565.8	1553.5	1541.2	1530.5	1520.3	1525.0
22.5°	1507.6	1506.7	1520.9	1535.8	1552.8	1569.7	1552.8	1535.8	1520.9	1506.7	1507.6
25°	1480.1	1488.1	1512.0	1534.6	1553.5	1572.3	1553.5	1534.6	1512.0	1488.1	1480.1
27.5°	1449.4	1469.8	1502.1	1529.6	1542.8	1556.0	1542.8	1529.6	1502.1	1469.8	1449.4
30°	1431.0	1456.0	1484.2	1506.7	1511.8	1516.9	1511.8	1506.7	1484.2	1456.0	1431.0
32.5°	1409.5	1433.7	1448.6	1458.2	1451.6	1445.1	1451.6	1458.2	1448.6	1433.7	1409.5
35°	1371.2	1387.1	1375.5	1363.4	1349.6	1335.8	1349.6	1363.4	1375.5	1387.1	1371.2
37.5°	1301.5	1301.2	1267.3	1237.9	1222.1	1206.3	1222.1	1237.9	1267.3	1301.2	1301.5
40°	1244.8	1228.9	1178.2	1135.6	1117.4	1099.3	1117.4	1135.6	1178.2	1228.9	1244.8
42.5°	1171.3	1137.1	1072.5	1018.4	996.2	974.1	996.2	1018.4	1072.5	1137.1	1171.3
45°	1036.8	981.0	910.7	851.8	827.1	802.5	827.1	851.8	910.7	981.0	1036.8
47.5°	886.6	821.6	758.9	706.0	683.0	659.9	683.0	706.0	758.9	821.6	886.6
50°	791.1	725.8	667.1	616.7	591.3	566.0	591.3	616.7	667.1	725.8	791.1
52.5°	705.8	642.3	583.6	533.8	510.7	487.7	510.7	533.8	583.6	642.3	705.8
55°	584.6	526.6	470.8	425.0	409.0	393.1	409.0	425.0	470.8	526.6	584.6
57.5°	481.0	429.4	382.0	343.5	331.8	320.0	331.8	343.5	382.0	429.4	481.0
60°	414.5	368.1	331.1	301.0	291.6	282.2	291.6	301.0	331.1	368.1	414.5
62.5°	359.8	318.3	288.9	265.1	258.0	250.9	258.0	265.1	288.9	318.3	359.8
65°	293.6	259.5	237.0	218.9	213.8	208.8	213.8	218.9	237.0	259.5	293.6
67.5°	241.4	214.0	196.3	181.8	177.0	172.2	177.0	181.8	196.3	214.0	241.4
70°	210.4	186.1	170.2	157.3	153.7	150.1	153.7	157.3	170.2	186.1	210.4
72.5°	181.0	160.2	147.1	136.7	134.3	131.8	134.3	136.7	147.1	160.2	181.0
75°	138.8	122.9	114.2	107.3	105.8	104.4	105.8	107.3	114.2	122.9	138.8
77.5°	98.9	87.9	85.0	82.9	82.9	82.9	82.9	82.9	85.0	87.9	98.9
80°	75.8	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	75.8
82.5°	56.9	52.8	52.8	52.7	52.1	51.5	52.1	52.7	52.8	52.8	56.9
85°	31.0	28.8	24.5	20.7	18.5	16.3	18.5	20.7	24.5	28.8	31.0
87.5°	12.3	13.0	15.1	16.3	17.5	16.9	17.5	16.3	15.1	13.0	12.3
90°	34.8	45.4	56.0	62.0	68.1	65.0	68.1	62.0	56.0	45.4	34.8
92.5°	69.9	87.7	100.7	111.6	116.4	115.8	116.4	111.6	100.7	87.7	69.9
95°	140.6	161.8	183.0	198.1	207.2	204.2	207.2	198.1	183.0	161.8	140.6
97.5°	216.9	245.3	268.9	283.1	292.2	298.2	292.2	283.1	268.9	245.3	216.9
100°	267.7	294.9	322.1	338.8	353.9	359.9	353.9	338.8	322.1	294.9	267.7
102.5°	308.8	344.5	374.1	392.0	404.7	410.7	404.7	392.0	374.1	344.5	308.8
105°	376.6	414.4	446.1	468.8	482.4	487.0	482.4	468.8	446.1	414.4	376.6
107.5°	444.3	483.3	512.7	537.8	554.4	564.1	554.4	537.8	512.7	483.3	444.3
110°	497.5	529.3	561.1	583.7	600.4	606.4	600.4	583.7	561.1	529.3	497.5



TEST NUMBER: P1428257

CATALOG NUMBER: SQ2W-PR1-K-100U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	542.3	577.7	609.5	632.1	651.2	659.7	651.2	632.1	609.5	577.7	542.3
115°	604.9	651.8	680.5	701.7	715.3	722.9	715.3	701.7	680.5	651.8	604.9
117.5°	656.9	705.9	737.4	753.7	760.1	765.5	760.1	753.7	737.4	705.9	656.9
120°	689.6	735.0	771.3	792.4	800.0	803.0	800.0	792.4	771.3	735.0	689.6
122.5°	719.8	762.8	797.9	823.9	836.3	839.3	836.3	823.9	797.9	762.8	719.8
125°	762.2	803.0	839.3	865.0	878.6	886.2	878.6	865.0	839.3	803.0	762.2
127.5°	799.1	843.3	876.5	899.8	913.1	919.2	913.1	899.8	876.5	843.3	799.1
130°	819.7	865.0	898.3	924.0	936.1	942.2	936.1	924.0	898.3	865.0	819.7
132.5°	835.4	883.2	917.7	940.9	954.3	960.3	954.3	940.9	917.7	883.2	835.4
135°	854.4	904.3	940.6	963.3	975.4	981.5	975.4	963.3	940.6	904.3	854.4
137.5°	871.1	916.4	954.3	978.1	989.0	993.0	989.0	978.1	954.3	916.4	871.1
140°	883.2	922.5	960.3	983.0	995.1	996.6	995.1	983.0	960.3	922.5	883.2
142.5°	898.9	929.8	962.7	985.4	997.5	1000.2	997.5	985.4	962.7	929.8	898.9
145°	927.0	945.2	967.9	989.0	999.6	1002.6	999.6	989.0	967.9	945.2	927.0
147.5°	962.4	968.2	980.0	993.9	1004.2	1006.3	1004.2	993.9	980.0	968.2	962.4
150°	989.0	987.5	992.1	1001.1	1010.2	1008.7	1010.2	1001.1	992.1	987.5	989.0
152.5°	1019.3	1010.5	1010.2	1014.4	1018.7	1018.4	1018.7	1014.4	1010.2	1010.5	1019.3
155°	1070.7	1054.1	1045.0	1042.0	1042.0	1040.5	1042.0	1042.0	1045.0	1054.1	1070.7
157.5°	1127.3	1104.0	1090.4	1083.1	1081.0	1077.7	1081.0	1083.1	1090.4	1104.0	1127.3
160°	1166.0	1140.3	1126.7	1114.6	1110.0	1105.5	1110.0	1114.6	1126.7	1140.3	1166.0
162.5°	1202.3	1177.8	1162.9	1152.1	1147.5	1140.6	1147.5	1152.1	1162.9	1177.8	1202.3
165°	1261.2	1235.5	1218.9	1209.8	1203.8	1197.7	1203.8	1209.8	1218.9	1235.5	1261.2
167.5°	1320.2	1292.1	1281.2	1270.9	1265.2	1254.3	1265.2	1270.9	1281.2	1292.1	1320.2
170°	1356.5	1330.8	1324.8	1315.7	1305.1	1293.0	1305.1	1315.7	1324.8	1330.8	1356.5
172.5°	1388.0	1370.7	1364.7	1355.6	1352.3	1342.6	1352.3	1355.6	1364.7	1370.7	1388.0
175°	1433.6	1420.0	1420.0	1418.5	1414.0	1404.9	1414.0	1418.5	1420.0	1420.0	1433.6
177.5°	1471.8	1464.5	1469.3	1469.3	1468.1	1459.7	1468.1	1469.3	1469.3	1464.5	1471.8
180°	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2	1497.2



TEST NUMBER: P1428257

CATALOG NUMBER: SQ2W-PR1-K-100U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1600.1	1600.1	1600.1	1600.1
2.5°	1607.0	1610.9	1602.2	1593.5
5°	1613.6	1616.5	1604.2	1591.9
7.5°	1628.0	1626.7	1609.1	1591.6
10°	1635.4	1632.3	1611.3	1590.3
12.5°	1628.9	1631.4	1606.9	1582.4
15°	1605.5	1617.3	1588.3	1559.3
17.5°	1568.5	1579.1	1548.8	1518.5
20°	1544.6	1551.8	1522.1	1492.4
22.5°	1523.7	1528.4	1498.6	1468.9
25°	1488.1	1487.5	1461.4	1435.3
27.5°	1441.0	1430.8	1415.5	1400.1
30°	1409.2	1390.4	1380.2	1370.1
32.5°	1376.2	1349.6	1343.5	1337.5
35°	1327.7	1293.8	1288.7	1283.6
37.5°	1268.2	1240.6	1230.1	1219.7
40°	1226.0	1207.5	1190.1	1172.7
42.5°	1175.1	1171.0	1143.1	1115.3
45°	1078.1	1099.7	1062.0	1024.3
47.5°	953.7	994.4	955.7	917.0
50°	862.8	908.9	877.7	846.5
52.5°	774.1	819.7	797.2	774.7
55°	644.8	687.0	675.4	663.8
57.5°	536.8	576.8	569.5	562.1
60°	470.3	510.9	505.8	500.7
62.5°	413.3	452.5	448.5	444.6
65°	339.3	372.6	369.0	365.4
67.5°	278.7	306.2	304.3	302.4
70°	243.0	267.3	266.6	265.9
72.5°	209.5	231.2	232.2	233.2
75°	162.0	180.0	182.1	184.3
77.5°	118.1	133.0	135.3	137.7
80°	90.3	101.8	104.7	107.6
82.5°	65.0	72.1	76.2	80.2
85°	31.0	31.9	35.5	39.1
87.5°	13.7	13.8	12.6	11.3
90°	27.2	16.6	10.6	4.5
92.5°	58.7	40.8	28.7	16.6
95°	118.0	93.8	66.5	46.9
97.5°	187.8	148.8	121.9	89.5
100°	225.3	187.5	161.8	127.0
102.5°	266.5	234.7	199.3	164.5
105°	340.3	300.9	260.1	220.8
107.5°	408.6	365.4	316.4	281.0
110°	452.2	405.3	353.9	322.1



TEST NUMBER: P1428257

CATALOG NUMBER: SQ2W-PR1-K-100U-075D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	494.5	446.4	393.8	362.0
115°	552.0	499.1	450.7	423.4
117.5°	607.3	552.9	501.8	480.3
120°	641.2	586.8	536.9	520.2
122.5°	669.0	615.8	569.5	562.6
125°	710.8	656.3	617.0	626.1
127.5°	744.6	694.7	669.9	690.2
130°	765.2	721.4	706.2	735.0
132.5°	783.4	749.2	742.5	782.2
135°	810.6	790.9	797.0	851.4
137.5°	842.9	835.4	855.7	924.3
140°	863.5	868.1	896.8	973.9
142.5°	891.3	901.9	939.1	1021.1
145°	934.6	957.3	1005.7	1087.3
147.5°	983.6	1012.9	1072.8	1156.6
150°	1016.3	1054.1	1117.6	1197.7
152.5°	1053.8	1092.8	1156.3	1237.7
155°	1111.5	1155.4	1221.9	1291.5
157.5°	1170.5	1215.3	1278.8	1339.6
160°	1206.8	1255.2	1312.7	1368.6
162.5°	1247.9	1292.7	1342.9	1392.8
165°	1308.1	1344.4	1385.3	1427.6
167.5°	1358.6	1388.9	1420.9	1453.9
170°	1391.3	1415.5	1442.7	1468.4
172.5°	1419.1	1438.5	1458.4	1480.5
175°	1456.3	1466.9	1479.0	1492.6
177.5°	1485.1	1488.7	1492.3	1498.4
180°	1497.2	1497.2	1497.2	1497.2



TEST NUMBER: P1428257
 CATALOG NUMBER: SQ2W-PR1-K-100U-075D-L830-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	17.67	18.46	18.66	19.46	20.78	14.04	14.83	15.03	15.83	17.15
	3H	18.87	19.58	19.87	20.59	21.93	15.19	15.90	16.20	16.91	18.25
	4H	19.35	20.02	20.37	21.03	22.38	15.65	16.33	16.67	17.34	18.68
	6H	19.64	20.26	20.67	21.28	22.64	15.99	16.61	17.02	17.63	18.99
	8H	19.75	20.33	20.78	21.37	22.72	16.13	16.72	17.16	17.75	19.10
	12H	19.78	20.34	20.82	21.37	22.75	16.16	16.72	17.19	17.74	19.12
4H	2H	17.76	18.43	18.78	19.44	20.79	14.74	15.41	15.76	16.42	17.77
	3H	19.22	19.77	20.25	20.81	22.17	16.09	16.65	17.12	17.69	19.05
	4H	19.84	20.35	20.88	21.38	22.77	16.63	17.14	17.67	18.17	19.56
	6H	20.27	20.71	21.32	21.76	23.14	17.06	17.50	18.11	18.55	19.93
	8H	20.43	20.84	21.48	21.88	23.28	17.24	17.65	18.29	18.70	20.09
	12H	20.49	20.86	21.56	21.92	23.32	17.29	17.66	18.35	18.72	20.12
8H	4H	19.86	20.27	20.91	21.32	22.71	16.95	17.36	18.00	18.41	19.80
	6H	20.39	20.73	21.46	21.82	23.21	17.49	17.83	18.56	18.92	20.31
	8H	20.63	20.92	21.71	22.00	23.41	17.75	18.05	18.83	19.12	20.54
	12H	20.74	21.00	21.82	22.07	23.53	17.85	18.11	18.93	19.17	20.63
12H	4H	19.82	20.19	20.88	21.25	22.65	16.97	17.34	18.04	18.40	19.80
	6H	20.38	20.68	21.46	21.75	23.16	17.56	17.86	18.64	18.93	20.35
	8H	20.63	20.89	21.71	21.96	23.41	17.85	18.11	18.93	19.18	20.63