

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: P1435799

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

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435799
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2502-345-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/24/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-FA-K-075U-100D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

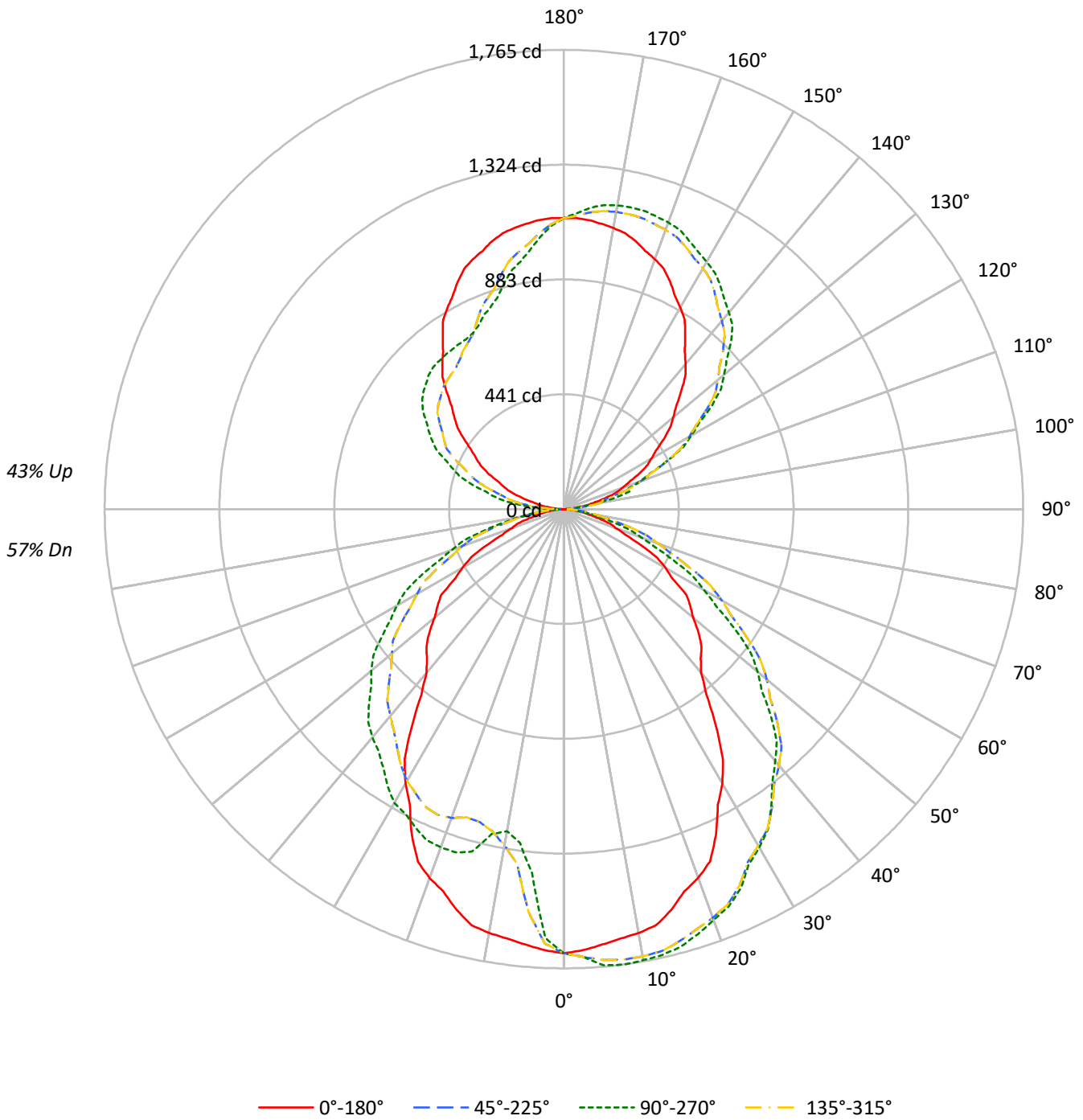
Lumens per Lamp: N/A
Luminaire Lumens: 7508.8 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 61.2
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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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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	57
1	99	95	91	88	92	89	85	82	76	74	72	65	64	62	55	54	53	48
2	91	83	77	72	84	78	72	68	67	63	60	57	54	52	49	46	44	40
3	83	73	66	60	77	68	62	56	59	54	50	51	47	44	43	40	38	34
4	76	65	57	51	70	61	53	48	53	47	43	45	41	38	38	35	33	29
5	69	58	49	43	64	54	47	41	47	41	37	41	36	33	35	31	28	25
6	64	52	44	38	59	49	41	36	42	37	32	37	32	29	31	28	25	22
7	59	47	39	33	55	44	37	31	38	33	28	33	29	25	29	25	22	20
8	55	42	35	29	51	40	33	28	35	29	25	31	26	23	26	23	20	18
9	51	39	31	26	48	37	30	25	32	27	23	28	24	20	24	21	18	16
10	48	36	28	23	44	34	27	22	30	24	20	26	21	18	23	19	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	27560	27560	27560	27560
5°	27238	28525	27238	22734
10°	27118	28855	27118	20610
15°	26652	29086	26652	22783
20°	25919	28876	25919	23759
25°	24634	28642	24634	24044
30°	22696	28000	22696	24300
35°	20083	27385	20083	23865
40°	17291	26634	17291	24124
45°	17070	25683	17070	24171
50°	16287	24430	16287	24264
55°	16203	22536	16203	24025
60°	14528	20082	14528	23928
65°	12386	17692	12386	23255
70°	9994	14993	9994	21550
75°	8665	12383	8665	19812
80°	7382	9223	7382	15992
85°	4909	4909	4909	9800

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 26489 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.6	2.0
10°-20°	429.2	5.7
20°-30°	651.8	8.7
30°-40°	765.2	10.2
40°-50°	776.5	10.3
50°-60°	680.2	9.1
60°-70°	482.4	6.4
70°-80°	248.4	3.3
80°-90°	56.7	0.8
90°-100°	89.0	1.2
100°-110°	259.5	3.5
110°-120°	423.5	5.6
120°-130°	537.4	7.2
130°-140°	575.1	7.7
140°-150°	537.0	7.2
150°-160°	441.9	5.9
160°-170°	296.3	3.9
170°-180°	105.2	1.4
0°-30°	1234.5	16.4
0°-40°	1999.7	26.6
0°-60°	3456.4	46.0
0°-90°	4243.9	56.5
90°-120°	772.0	10.3
90°-150°	2421.5	32.2
90°-180°	3265.0	43.5
0°-180°	7508.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1707	1707	1707	1707	1707	
5°	1681	1760	1681	1403	1681	160
15°	1594	1740	1594	1363	1594	448
25°	1383	1608	1383	1350	1383	631
35°	1019	1389	1019	1211	1019	635
45°	748	1125	748	1059	748	572
55°	576	801	576	854	576	498
65°	324	463	324	609	324	324
75°	139	198	139	318	139	150
85°	26	26	26	53	26	33
90°	3	25	3	49	3	3
95°	35	26	35	152	35	42
105°	165	264	165	364	165	175
115°	316	438	316	540	316	312
125°	468	695	468	662	468	418
135°	636	909	636	733	636	491
145°	812	1048	812	749	812	508
155°	965	1138	965	777	965	443
165°	1066	1187	1066	894	1066	300
175°	1115	1162	1115	1049	1115	106
180°	1118	1118	1118	1118	1118	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0
2.5°	1696.4	1708.2	1720.0	1722.9	1722.9	1722.9	1722.9	1722.9	1722.9	1722.9	1722.9
5°	1680.6	1701.1	1721.7	1731.3	1737.2	1741.6	1744.5	1748.2	1754.1	1760.0	1754.1
7.5°	1664.7	1692.3	1720.0	1733.5	1742.3	1749.4	1754.7	1759.4	1762.3	1765.2	1762.3
10°	1654.1	1686.4	1718.8	1733.5	1742.3	1748.2	1751.1	1754.1	1757.0	1760.0	1757.0
12.5°	1638.2	1672.9	1707.6	1724.7	1735.8	1742.9	1745.8	1748.8	1751.7	1754.7	1751.7
15°	1594.5	1641.6	1688.6	1707.0	1715.8	1723.2	1729.1	1734.2	1737.2	1740.1	1737.2
17.5°	1540.3	1597.3	1654.4	1677.5	1689.2	1697.8	1703.1	1707.6	1710.0	1712.3	1710.0
20°	1508.5	1570.3	1632.0	1656.3	1668.1	1675.4	1678.4	1680.6	1680.6	1680.6	1680.6
22.5°	1466.2	1535.0	1603.8	1629.8	1641.6	1647.8	1648.4	1649.4	1651.7	1654.1	1651.7
25°	1382.8	1462.2	1541.6	1574.7	1592.3	1599.7	1596.7	1596.0	1601.9	1607.8	1601.9
27.5°	1280.9	1380.9	1480.9	1514.7	1526.5	1533.8	1536.8	1539.0	1539.0	1539.0	1539.0
30°	1217.4	1329.2	1440.9	1477.7	1489.4	1496.8	1499.7	1501.9	1501.9	1501.9	1501.9
32.5°	1138.0	1270.9	1403.8	1444.1	1453.5	1458.5	1459.1	1459.6	1459.6	1459.6	1459.6
35°	1018.9	1180.7	1342.4	1387.2	1393.1	1396.1	1396.1	1395.3	1392.4	1389.4	1392.4
37.5°	899.8	1083.3	1266.8	1319.3	1328.1	1330.5	1326.4	1322.5	1319.6	1316.7	1319.6
40°	820.4	1020.4	1220.4	1277.0	1285.8	1285.8	1277.0	1269.6	1266.7	1263.7	1266.7
42.5°	778.1	975.7	1173.3	1229.3	1238.1	1237.0	1225.8	1216.7	1213.7	1210.8	1213.7
45°	747.6	924.1	1100.5	1151.2	1160.1	1158.6	1146.8	1136.5	1130.7	1124.8	1130.7
47.5°	701.3	856.6	1011.9	1061.7	1076.4	1074.9	1057.3	1042.6	1036.7	1030.8	1036.7
50°	648.4	801.3	954.2	1003.5	1018.2	1016.7	999.1	984.4	978.5	972.6	978.5
52.5°	611.4	754.9	898.4	943.5	955.8	952.0	932.0	915.6	909.7	903.8	909.7
55°	575.6	696.2	816.8	853.5	862.3	856.5	835.9	818.2	809.4	800.6	809.4
57.5°	492.3	606.9	721.6	757.4	766.8	759.7	736.2	716.0	706.0	696.0	706.0
60°	449.9	552.8	655.8	690.3	702.1	696.2	672.7	651.3	636.6	621.9	636.6
62.5°	402.3	493.4	584.6	619.7	636.2	632.7	609.1	587.8	573.1	558.4	573.1
65°	324.2	403.6	483.0	518.3	538.9	537.4	513.9	492.6	477.8	463.1	477.8
67.5°	254.1	322.3	390.5	425.2	448.7	447.6	421.7	399.3	387.6	375.8	387.6
70°	211.7	270.5	329.3	361.7	385.2	385.2	361.7	341.1	329.3	317.6	329.3
72.5°	185.3	230.0	274.7	305.2	331.1	331.1	305.2	283.5	274.1	264.7	274.1
75°	138.9	165.4	191.9	220.5	250.0	252.9	229.4	210.3	204.4	198.5	204.4
77.5°	100.6	112.9	125.3	147.8	173.6	176.6	156.6	141.0	138.6	136.3	138.6
80°	79.4	82.3	85.3	103.7	127.2	130.1	112.5	99.2	99.2	99.2	99.2
82.5°	52.9	55.9	58.8	71.9	88.4	90.1	77.2	66.9	64.5	62.2	64.5
85°	26.5	26.5	26.5	30.9	36.8	36.8	30.9	26.5	26.5	26.5	26.5
87.5°	6.0	6.9	8.0	10.7	13.7	13.9	11.6	10.0	10.3	10.3	10.3
90°	3.4	7.9	13.6	18.1	21.5	22.6	22.6	23.7	24.8	24.8	24.8
92.5°	12.4	19.7	19.9	19.9	24.2	26.2	28.0	28.2	29.4	29.4	29.4
95°	35.0	38.4	57.6	56.5	38.4	30.5	26.0	26.0	26.0	26.0	26.0
97.5°	66.9	71.8	75.0	100.5	106.2	102.6	83.6	70.3	62.8	59.4	62.8
100°	94.9	97.1	103.9	105.0	133.3	160.4	146.8	129.9	124.2	120.9	124.2
102.5°	122.9	124.2	134.6	139.4	145.9	161.3	208.3	203.1	199.2	198.6	199.2
105°	164.9	166.0	185.2	194.3	198.8	198.8	197.7	220.2	256.4	264.3	256.4
107.5°	209.9	215.1	237.6	261.8	267.0	268.4	262.5	259.1	257.7	258.7	257.7
110°	240.6	248.5	275.6	306.1	314.0	316.3	314.0	310.6	308.3	308.3	308.3

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	270.4	281.9	312.6	347.7	361.0	367.8	362.8	360.3	358.0	359.9	358.0
115°	316.3	333.2	373.9	410.0	437.1	440.5	439.4	439.4	438.2	438.2	438.2
117.5°	358.7	385.8	431.5	473.5	504.9	513.9	518.4	517.1	515.7	518.0	515.7
120°	388.5	420.2	472.1	519.6	550.1	563.6	568.1	565.9	568.1	565.9	568.1
122.5°	420.2	459.0	510.1	559.3	595.2	610.6	616.0	616.5	616.9	615.6	616.9
125°	467.6	515.0	574.9	625.7	663.0	681.1	685.6	686.7	689.0	694.6	689.0
127.5°	515.5	569.3	635.0	684.0	722.2	744.1	751.1	753.6	758.3	760.8	758.3
130°	548.9	609.9	676.6	722.9	760.1	783.9	796.3	799.7	805.3	804.2	805.3
132.5°	584.2	647.9	715.4	763.5	798.1	823.6	834.2	843.9	846.0	847.6	846.0
135°	635.9	704.8	772.6	820.0	852.8	877.6	891.2	900.2	905.8	909.2	905.8
137.5°	690.3	763.1	828.1	870.4	903.4	924.8	940.2	949.7	955.5	958.2	955.5
140°	727.4	797.4	860.7	904.7	934.1	955.5	969.1	980.4	987.2	987.2	987.2
142.5°	762.6	831.7	893.2	937.2	963.0	982.6	997.1	1005.7	1013.4	1013.4	1013.4
145°	812.1	881.0	937.5	981.5	1003.0	1021.0	1036.9	1043.6	1048.2	1048.2	1048.2
147.5°	863.8	924.8	976.3	1018.6	1036.6	1057.9	1070.3	1075.7	1081.4	1078.9	1081.4
150°	894.5	951.0	1000.7	1040.2	1058.3	1078.7	1091.1	1095.6	1101.2	1097.9	1101.2
152.5°	924.4	978.1	1023.3	1060.1	1075.5	1095.8	1110.1	1114.6	1118.4	1115.9	1118.4
155°	964.6	1012.0	1053.8	1087.7	1101.2	1120.4	1134.0	1139.6	1144.2	1138.5	1144.2
157.5°	1000.5	1041.4	1077.7	1108.9	1123.4	1139.9	1152.5	1159.5	1164.0	1161.6	1164.0
160°	1022.2	1059.4	1092.2	1121.6	1135.1	1149.8	1163.4	1171.3	1175.8	1172.4	1175.8
162.5°	1040.2	1073.9	1104.9	1131.5	1143.3	1156.1	1172.4	1179.4	1183.9	1179.6	1183.9
165°	1066.2	1093.3	1120.4	1143.0	1153.2	1163.4	1180.3	1188.2	1191.6	1187.1	1191.6
167.5°	1085.9	1106.7	1128.6	1148.0	1155.5	1165.4	1182.3	1188.9	1193.2	1187.5	1193.2
170°	1096.7	1114.8	1134.0	1149.8	1155.5	1164.5	1181.4	1187.1	1190.5	1184.8	1190.5
172.5°	1105.8	1119.3	1134.9	1148.9	1151.8	1159.1	1175.1	1180.8	1183.2	1178.5	1183.2
175°	1114.8	1122.7	1134.0	1143.0	1141.9	1146.4	1160.0	1164.5	1169.0	1162.2	1169.0
177.5°	1119.1	1122.7	1126.3	1131.7	1128.1	1128.1	1138.1	1140.8	1141.7	1138.1	1141.7
180°	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0
2.5°	1722.9	1722.9	1722.9	1722.9	1722.9	1720.0	1708.2	1696.4	1696.4	1696.4	1687.6
5°	1748.2	1744.5	1741.6	1737.2	1731.3	1721.7	1701.1	1680.6	1671.7	1662.9	1625.4
7.5°	1759.4	1754.7	1749.4	1742.3	1733.5	1720.0	1692.3	1664.7	1625.3	1585.9	1502.4
10°	1754.1	1751.1	1748.2	1742.3	1733.5	1718.8	1686.4	1654.1	1574.7	1495.3	1415.9
12.5°	1748.8	1745.8	1742.9	1735.8	1724.7	1707.6	1672.9	1638.2	1525.9	1413.5	1341.8
15°	1734.2	1729.1	1723.2	1715.8	1707.0	1688.6	1641.6	1594.5	1468.1	1341.7	1281.4
17.5°	1707.6	1703.1	1697.8	1689.2	1677.5	1654.4	1597.3	1540.3	1408.0	1275.6	1236.8
20°	1680.6	1678.4	1675.4	1668.1	1656.3	1632.0	1570.3	1508.5	1376.2	1243.9	1226.2
22.5°	1649.4	1648.4	1647.8	1641.6	1629.8	1603.8	1535.0	1466.2	1336.2	1206.2	1206.8
25°	1596.0	1596.7	1599.7	1592.3	1574.7	1541.6	1462.2	1382.8	1268.1	1153.5	1173.3
27.5°	1539.0	1536.8	1533.8	1526.5	1514.7	1480.9	1380.9	1280.9	1190.4	1099.8	1132.7
30°	1501.9	1499.7	1496.8	1489.4	1477.7	1440.9	1329.2	1217.4	1141.0	1064.5	1102.7
32.5°	1459.6	1459.1	1458.5	1453.5	1444.1	1403.8	1270.9	1138.0	1082.7	1027.4	1067.4
35°	1395.3	1396.1	1396.1	1393.1	1387.2	1342.4	1180.7	1018.9	995.4	971.9	1018.9
37.5°	1322.5	1326.4	1330.5	1328.1	1319.3	1266.8	1083.3	899.8	907.5	915.1	972.2
40°	1269.6	1277.0	1285.8	1285.8	1277.0	1220.4	1020.4	820.4	846.9	873.4	935.1
42.5°	1216.7	1225.8	1237.0	1238.1	1229.3	1173.3	975.7	778.1	806.9	835.7	899.8
45°	1136.5	1146.8	1158.6	1160.1	1151.2	1100.5	924.1	747.6	765.3	782.9	844.7
47.5°	1042.6	1057.3	1074.9	1076.4	1061.7	1011.9	856.6	701.3	714.3	727.2	790.4
50°	984.4	999.1	1016.7	1018.2	1003.5	954.2	801.3	648.4	666.0	683.7	749.9
52.5°	915.6	932.0	952.0	955.8	943.5	898.4	754.9	611.4	621.9	632.5	704.0
55°	818.2	835.9	856.5	862.3	853.5	816.8	696.2	575.6	566.8	558.0	630.8
57.5°	716.0	736.2	759.7	766.8	757.4	721.6	606.9	492.3	484.6	477.0	555.8
60°	651.3	672.7	696.2	702.1	690.3	655.8	552.8	449.9	435.2	420.5	502.8
62.5°	587.8	609.1	632.7	636.2	619.7	584.6	493.4	402.3	392.3	382.3	462.3
65°	492.6	513.9	537.4	538.9	518.3	483.0	403.6	324.2	330.1	336.0	408.0
67.5°	399.3	421.7	447.6	448.7	425.2	390.5	322.3	254.1	273.5	292.9	357.7
70°	341.1	361.7	385.2	385.2	361.7	329.3	270.5	211.7	238.2	264.7	324.2
72.5°	283.5	305.2	331.1	331.1	305.2	274.7	230.0	185.3	211.7	238.2	287.2
75°	210.3	229.4	252.9	250.0	220.5	191.9	165.4	138.9	165.4	191.9	229.4
77.5°	141.0	156.6	176.6	173.6	147.8	125.3	112.9	100.6	122.3	144.1	170.3
80°	99.2	112.5	130.1	127.2	103.7	85.3	82.3	79.4	94.1	108.8	127.9
82.5°	66.9	77.2	90.1	88.4	71.9	58.8	55.9	52.9	65.3	77.6	90.9
85°	26.5	30.9	36.8	36.8	30.9	26.5	26.5	26.5	32.3	38.2	44.1
87.5°	10.0	11.6	13.9	13.7	10.7	8.0	6.9	6.0	9.2	12.5	14.7
90°	23.7	22.6	22.6	21.5	18.1	13.6	7.9	3.4	7.9	12.4	20.3
92.5°	28.2	28.0	26.2	24.2	19.9	19.9	19.7	12.4	21.5	30.5	43.8
95°	26.0	26.0	30.5	38.4	56.5	57.6	38.4	35.0	49.7	70.0	88.1
97.5°	70.3	83.6	102.6	106.2	100.5	75.0	71.8	66.9	91.0	111.1	140.3
100°	129.9	146.8	160.4	133.3	105.0	103.9	97.1	94.9	120.9	140.1	168.3
102.5°	203.1	208.3	161.3	145.9	139.4	134.6	124.2	122.9	148.9	175.3	199.0
105°	220.2	197.7	198.8	198.8	194.3	185.2	166.0	164.9	194.3	224.8	254.1
107.5°	259.1	262.5	268.4	267.0	261.8	237.6	215.1	209.9	236.3	272.9	305.2
110°	310.6	314.0	316.3	314.0	306.1	275.6	248.5	240.6	264.3	302.7	337.7



TEST NUMBER: P1435799

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	360.3	362.8	367.8	361.0	347.7	312.6	281.9	270.4	294.1	333.4	369.3
115°	439.4	439.4	440.5	437.1	410.0	373.9	333.2	316.3	336.6	372.7	412.3
117.5°	517.1	518.4	513.9	504.9	473.5	431.5	385.8	358.7	374.8	412.9	453.6
120°	565.9	568.1	563.6	550.1	519.6	472.1	420.2	388.5	401.0	438.2	478.9
122.5°	616.5	616.0	610.6	595.2	559.3	510.1	459.0	420.2	425.4	459.9	499.7
125°	686.7	685.6	681.1	663.0	625.7	574.9	515.0	467.6	460.8	490.2	530.9
127.5°	753.6	751.1	744.1	722.2	684.0	635.0	569.3	515.5	500.4	518.9	556.2
130°	799.7	796.3	783.9	760.1	722.9	676.6	609.9	548.9	527.5	538.8	571.5
132.5°	843.9	834.2	823.6	798.1	763.5	715.4	647.9	584.2	554.6	559.5	585.1
135°	900.2	891.2	877.6	852.8	820.0	772.6	704.8	635.9	595.2	590.7	605.4
137.5°	949.7	940.2	924.8	903.4	870.4	828.1	763.1	690.3	639.1	623.9	629.6
140°	980.4	969.1	955.5	934.1	904.7	860.7	797.4	727.4	669.8	648.3	644.9
142.5°	1005.7	997.1	982.6	963.0	937.2	893.2	831.7	762.6	701.4	673.6	665.7
145°	1043.6	1036.9	1021.0	1003.0	981.5	937.5	881.0	812.1	751.1	715.0	698.0
147.5°	1075.7	1070.3	1057.9	1036.6	1018.6	976.3	924.8	863.8	801.3	756.5	734.6
150°	1095.6	1091.1	1078.7	1058.3	1040.2	1000.7	951.0	894.5	834.7	787.2	759.0
152.5°	1114.6	1110.1	1095.8	1075.5	1060.1	1023.3	978.1	924.4	863.6	816.2	787.0
155°	1139.6	1134.0	1120.4	1101.2	1087.7	1053.8	1012.0	964.6	912.6	862.9	830.2
157.5°	1159.5	1152.5	1139.9	1123.4	1108.9	1077.7	1041.4	1000.5	955.1	907.6	874.2
160°	1171.3	1163.4	1149.8	1135.1	1121.6	1092.2	1059.4	1022.2	980.4	937.5	901.3
162.5°	1179.4	1172.4	1156.1	1143.3	1131.5	1104.9	1073.9	1040.2	1003.0	965.5	932.0
165°	1188.2	1180.3	1163.4	1153.2	1143.0	1120.4	1093.3	1066.2	1034.6	1004.1	977.0
167.5°	1188.9	1182.3	1165.4	1155.5	1148.0	1128.6	1106.7	1085.9	1061.3	1037.3	1014.7
170°	1187.1	1181.4	1164.5	1155.5	1149.8	1134.0	1114.8	1096.7	1077.5	1057.2	1039.1
172.5°	1180.8	1175.1	1159.1	1151.8	1148.9	1134.9	1119.3	1105.8	1089.3	1074.4	1059.9
175°	1164.5	1160.0	1146.4	1141.9	1143.0	1134.0	1122.7	1114.8	1104.6	1095.6	1087.7
177.5°	1140.8	1138.1	1128.1	1128.1	1131.7	1126.3	1122.7	1119.1	1114.6	1111.9	1109.1
180°	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2



TEST NUMBER: P1435799

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0
2.5°	1675.9	1666.4	1659.4	1653.5	1651.1	1648.8	1651.1	1653.5	1659.4	1666.4	1675.9
5°	1578.4	1528.4	1475.4	1432.1	1417.4	1402.7	1417.4	1432.1	1475.4	1528.4	1578.4
7.5°	1404.1	1343.9	1321.5	1303.6	1298.9	1294.2	1298.9	1303.6	1321.5	1343.9	1404.1
10°	1336.5	1288.0	1270.3	1257.1	1257.1	1257.1	1257.1	1257.1	1270.3	1288.0	1336.5
12.5°	1283.6	1253.9	1252.7	1254.8	1266.5	1278.3	1266.5	1254.8	1252.7	1253.9	1283.6
15°	1243.1	1247.6	1294.6	1333.6	1348.3	1363.0	1348.3	1333.6	1294.6	1247.6	1243.1
17.5°	1229.2	1254.5	1312.7	1359.3	1371.1	1382.8	1371.1	1359.3	1312.7	1254.5	1229.2
20°	1246.8	1279.2	1323.3	1359.3	1371.1	1382.8	1371.1	1359.3	1323.3	1279.2	1246.8
22.5°	1250.9	1290.3	1325.0	1354.0	1365.8	1377.5	1365.8	1354.0	1325.0	1290.3	1250.9
25°	1238.0	1285.0	1314.5	1338.0	1343.9	1349.7	1343.9	1338.0	1314.5	1285.0	1238.0
27.5°	1206.8	1258.6	1288.0	1311.1	1315.2	1319.3	1315.2	1311.1	1288.0	1258.6	1206.8
30°	1179.2	1232.1	1261.5	1285.8	1294.6	1303.4	1294.6	1285.8	1261.5	1232.1	1179.2
32.5°	1139.2	1193.3	1229.8	1257.5	1259.3	1261.1	1259.3	1257.5	1229.8	1193.3	1139.2
35°	1089.5	1145.4	1186.5	1216.7	1213.7	1210.8	1213.7	1216.7	1186.5	1145.4	1089.5
37.5°	1045.7	1100.4	1136.2	1164.0	1167.6	1171.1	1167.6	1164.0	1136.2	1100.4	1045.7
40°	1008.6	1064.5	1102.7	1132.9	1138.7	1144.6	1138.7	1132.9	1102.7	1064.5	1008.6
42.5°	975.7	1032.7	1071.0	1101.1	1107.0	1112.9	1107.0	1101.1	1071.0	1032.7	975.7
45°	921.1	980.0	1021.1	1052.7	1055.7	1058.6	1055.7	1052.7	1021.1	980.0	921.1
47.5°	870.4	929.5	967.8	997.2	1000.1	1003.0	1000.1	997.2	967.8	929.5	870.4
50°	832.2	892.5	930.7	960.1	963.0	966.0	963.0	960.1	930.7	892.5	832.2
52.5°	795.7	858.4	891.9	917.8	920.7	923.6	920.7	917.8	891.9	858.4	795.7
55°	730.7	796.9	829.3	853.5	853.5	853.5	853.5	829.3	796.9	730.7	730.7
57.5°	663.4	731.3	759.6	781.6	785.1	788.7	785.1	781.6	759.6	731.3	663.4
60°	617.5	686.6	710.2	729.3	735.2	741.0	735.2	729.3	710.2	686.6	617.5
62.5°	572.2	639.0	662.5	681.0	684.6	688.1	684.6	681.0	662.5	639.0	572.2
65°	502.1	560.9	584.4	602.8	605.8	608.7	605.8	602.8	584.4	560.9	502.1
67.5°	437.7	485.9	502.4	515.3	517.7	520.0	517.7	515.3	502.4	485.9	437.7
70°	394.8	435.9	447.7	456.5	456.5	456.5	456.5	447.7	435.9	394.8	394.8
72.5°	343.6	377.7	389.5	398.9	401.2	403.6	401.2	398.9	389.5	377.7	343.6
75°	270.5	295.5	304.4	311.7	314.6	317.6	314.6	311.7	304.4	295.5	270.5
77.5°	197.9	214.4	219.7	224.4	227.3	230.2	227.3	224.4	219.7	214.4	197.9
80°	148.5	160.3	163.2	166.1	169.1	172.0	169.1	166.1	163.2	160.3	148.5
82.5°	104.4	112.6	115.6	117.9	118.5	119.1	118.5	117.9	115.6	112.6	104.4
85°	50.0	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	50.0
87.5°	15.8	17.4	18.9	19.8	20.8	20.3	20.8	19.8	17.4	15.8	15.8
90°	26.0	33.9	41.8	46.3	50.8	48.6	50.8	46.3	41.8	33.9	26.0
92.5°	52.2	65.5	75.2	83.4	87.0	86.5	87.0	83.4	75.2	65.5	52.2
95°	105.0	120.9	136.7	148.0	154.7	152.5	154.7	148.0	136.7	120.9	105.0
97.5°	162.0	183.2	200.8	211.4	218.2	222.7	218.2	211.4	200.8	183.2	162.0
100°	199.9	220.2	240.6	253.0	264.3	268.8	264.3	253.0	240.6	220.2	199.9
102.5°	230.6	257.3	279.4	292.8	302.2	306.8	302.2	292.8	279.4	257.3	230.6
105°	281.2	309.5	333.2	350.1	360.3	363.7	360.3	350.1	333.2	309.5	281.2
107.5°	331.8	361.0	382.9	401.6	414.1	421.3	414.1	401.6	382.9	361.0	331.8
110°	371.6	395.3	419.0	436.0	448.4	452.9	448.4	436.0	419.0	395.3	371.6



TEST NUMBER: P1435799

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	405.0	431.5	455.2	472.1	486.4	492.7	486.4	472.1	455.2	431.5	405.0
115°	451.8	486.8	508.3	524.1	534.2	539.9	534.2	524.1	508.3	486.8	451.8
117.5°	490.6	527.2	550.7	562.9	567.7	571.7	567.7	562.9	550.7	527.2	490.6
120°	515.0	548.9	576.0	591.8	597.5	599.8	597.5	591.8	576.0	548.9	515.0
122.5°	537.6	569.7	595.9	615.3	624.6	626.9	624.6	615.3	595.9	569.7	537.6
125°	569.3	599.8	626.9	646.1	656.2	661.9	656.2	646.1	626.9	599.8	569.3
127.5°	596.8	629.8	654.6	672.0	682.0	686.5	682.0	672.0	654.6	629.8	596.8
130°	612.2	646.1	670.9	690.1	699.1	703.7	699.1	690.1	670.9	646.1	612.2
132.5°	623.9	659.6	685.4	702.8	712.7	717.2	712.7	702.8	685.4	659.6	623.9
135°	638.2	675.4	702.5	719.5	728.5	733.0	728.5	719.5	702.5	675.4	638.2
137.5°	650.6	684.5	712.7	730.5	738.7	741.6	738.7	730.5	712.7	684.5	650.6
140°	659.6	689.0	717.2	734.2	743.2	744.3	743.2	734.2	717.2	689.0	659.6
142.5°	671.4	694.4	719.0	736.0	745.0	747.0	745.0	736.0	719.0	694.4	671.4
145°	692.4	705.9	722.9	738.7	746.6	748.8	746.6	738.7	722.9	705.9	692.4
147.5°	718.8	723.1	731.9	742.3	750.0	751.6	750.0	742.3	731.9	723.1	718.8
150°	738.7	737.5	740.9	747.7	754.5	753.4	754.5	747.7	740.9	737.5	738.7
152.5°	761.3	754.7	754.5	757.7	760.8	760.6	760.8	757.7	754.5	754.7	761.3
155°	799.7	787.2	780.5	778.2	778.2	777.1	778.2	778.2	780.5	787.2	799.7
157.5°	841.9	824.5	814.4	808.9	807.4	804.9	807.4	808.9	814.4	824.5	841.9
160°	870.8	851.6	841.5	832.4	829.0	825.6	829.0	832.4	841.5	851.6	870.8
162.5°	897.9	879.6	868.6	860.4	857.0	851.9	857.0	860.4	868.6	879.6	897.9
165°	942.0	922.8	910.4	903.6	899.1	894.5	899.1	903.6	910.4	922.8	942.0
167.5°	986.0	965.0	956.9	949.2	944.9	936.8	944.9	949.2	956.9	965.0	986.0
170°	1013.1	993.9	989.4	982.6	974.7	965.7	974.7	982.6	989.4	993.9	1013.1
172.5°	1036.6	1023.8	1019.2	1012.5	1010.0	1002.7	1010.0	1012.5	1019.2	1023.8	1036.6
175°	1070.7	1060.6	1060.6	1059.4	1056.1	1049.3	1056.1	1059.4	1060.6	1060.6	1070.7
177.5°	1099.2	1093.8	1097.4	1097.4	1096.5	1090.2	1096.5	1097.4	1097.4	1093.8	1099.2
180°	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2



TEST NUMBER: P1435799

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1707.0	1707.0	1707.0	1707.0
2.5°	1687.6	1696.4	1696.4	1696.4
5°	1625.4	1662.9	1671.7	1680.6
7.5°	1502.4	1585.9	1625.3	1664.7
10°	1415.9	1495.3	1574.7	1654.1
12.5°	1341.8	1413.5	1525.9	1638.2
15°	1281.4	1341.7	1468.1	1594.5
17.5°	1236.8	1275.6	1408.0	1540.3
20°	1226.2	1243.9	1376.2	1508.5
22.5°	1206.8	1206.2	1336.2	1466.2
25°	1173.3	1153.5	1268.1	1382.8
27.5°	1132.7	1099.8	1190.4	1280.9
30°	1102.7	1064.5	1141.0	1217.4
32.5°	1067.4	1027.4	1082.7	1138.0
35°	1018.9	971.9	995.4	1018.9
37.5°	972.2	915.1	907.5	899.8
40°	935.1	873.4	846.9	820.4
42.5°	899.8	835.7	806.9	778.1
45°	844.7	782.9	765.3	747.6
47.5°	790.4	727.2	714.3	701.3
50°	749.9	683.7	666.0	648.4
52.5°	704.0	632.5	621.9	611.4
55°	630.8	558.0	566.8	575.6
57.5°	555.8	477.0	484.6	492.3
60°	502.8	420.5	435.2	449.9
62.5°	462.3	382.3	392.3	402.3
65°	408.0	336.0	330.1	324.2
67.5°	357.7	292.9	273.5	254.1
70°	324.2	264.7	238.2	211.7
72.5°	287.2	238.2	211.7	185.3
75°	229.4	191.9	165.4	138.9
77.5°	170.3	144.1	122.3	100.6
80°	127.9	108.8	94.1	79.4
82.5°	90.9	77.6	65.3	52.9
85°	44.1	38.2	32.3	26.5
87.5°	14.7	12.5	9.2	6.0
90°	20.3	12.4	7.9	3.4
92.5°	43.8	30.5	21.5	12.4
95°	88.1	70.0	49.7	35.0
97.5°	140.3	111.1	91.0	66.9
100°	168.3	140.1	120.9	94.9
102.5°	199.0	175.3	148.9	122.9
105°	254.1	224.8	194.3	164.9
107.5°	305.2	272.9	236.3	209.9
110°	337.7	302.7	264.3	240.6



TEST NUMBER: P1435799

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	369.3	333.4	294.1	270.4
115°	412.3	372.7	336.6	316.3
117.5°	453.6	412.9	374.8	358.7
120°	478.9	438.2	401.0	388.5
122.5°	499.7	459.9	425.4	420.2
125°	530.9	490.2	460.8	467.6
127.5°	556.2	518.9	500.4	515.5
130°	571.5	538.8	527.5	548.9
132.5°	585.1	559.5	554.6	584.2
135°	605.4	590.7	595.2	635.9
137.5°	629.6	623.9	639.1	690.3
140°	644.9	648.3	669.8	727.4
142.5°	665.7	673.6	701.4	762.6
145°	698.0	715.0	751.1	812.1
147.5°	734.6	756.5	801.3	863.8
150°	759.0	787.2	834.7	894.5
152.5°	787.0	816.2	863.6	924.4
155°	830.2	862.9	912.6	964.6
157.5°	874.2	907.6	955.1	1000.5
160°	901.3	937.5	980.4	1022.2
162.5°	932.0	965.5	1003.0	1040.2
165°	977.0	1004.1	1034.6	1066.2
167.5°	1014.7	1037.3	1061.3	1085.9
170°	1039.1	1057.2	1077.5	1096.7
172.5°	1059.9	1074.4	1089.3	1105.8
175°	1087.7	1095.6	1104.6	1114.8
177.5°	1109.1	1111.9	1114.6	1119.1
180°	1118.2	1118.2	1118.2	1118.2



TEST NUMBER: P1435799
 CATALOG NUMBER: SQ2W-FA-K-075U-100D-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	18.48	19.40	19.38	20.32	21.50	19.68	20.60	20.58	21.52	22.70
	3H	19.57	20.40	20.49	21.33	22.53	20.93	21.75	21.84	22.68	23.88
	4H	19.93	20.71	20.86	21.64	22.85	21.32	22.10	22.25	23.04	24.24
	6H	20.09	20.81	21.03	21.75	22.98	21.48	22.20	22.42	23.14	24.37
	8H	20.13	20.82	21.08	21.77	22.99	21.51	22.20	22.46	23.15	24.37
	12H	20.13	20.78	21.08	21.73	22.98	21.50	22.15	22.45	23.10	24.35
4H	2H	19.36	20.14	20.29	21.07	22.28	20.27	21.05	21.20	21.98	23.19
	3H	20.75	21.40	21.69	22.37	23.59	21.74	22.39	22.68	23.35	24.58
	4H	21.21	21.80	22.16	22.76	24.01	22.22	22.81	23.17	23.77	25.02
	6H	21.44	21.95	22.41	22.93	24.18	22.44	22.96	23.41	23.94	25.19
	8H	21.50	21.98	22.47	22.95	24.22	22.49	22.97	23.46	23.95	25.21
	12H	21.51	21.94	22.49	22.93	24.20	22.49	22.92	23.47	23.91	25.18
8H	4H	21.60	22.07	22.56	23.05	24.31	22.42	22.90	23.39	23.87	25.13
	6H	21.95	22.34	22.94	23.36	24.62	22.74	23.13	23.73	24.15	25.41
	8H	22.07	22.42	23.07	23.42	24.70	22.83	23.18	23.83	24.19	25.47
	12H	22.11	22.41	23.11	23.41	24.74	22.85	23.16	23.86	24.16	25.48
12H	4H	21.60	22.03	22.59	23.03	24.29	22.39	22.82	23.38	23.81	25.08
	6H	22.02	22.37	23.02	23.37	24.65	22.75	23.10	23.76	24.11	25.39
	8H	22.17	22.48	23.18	23.48	24.80	22.87	23.18	23.88	24.18	25.50