

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: P1428235

Luminaire Tested: SQ2W-PR1-K-075U-075D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428235
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-075U-075D-L840-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 750 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

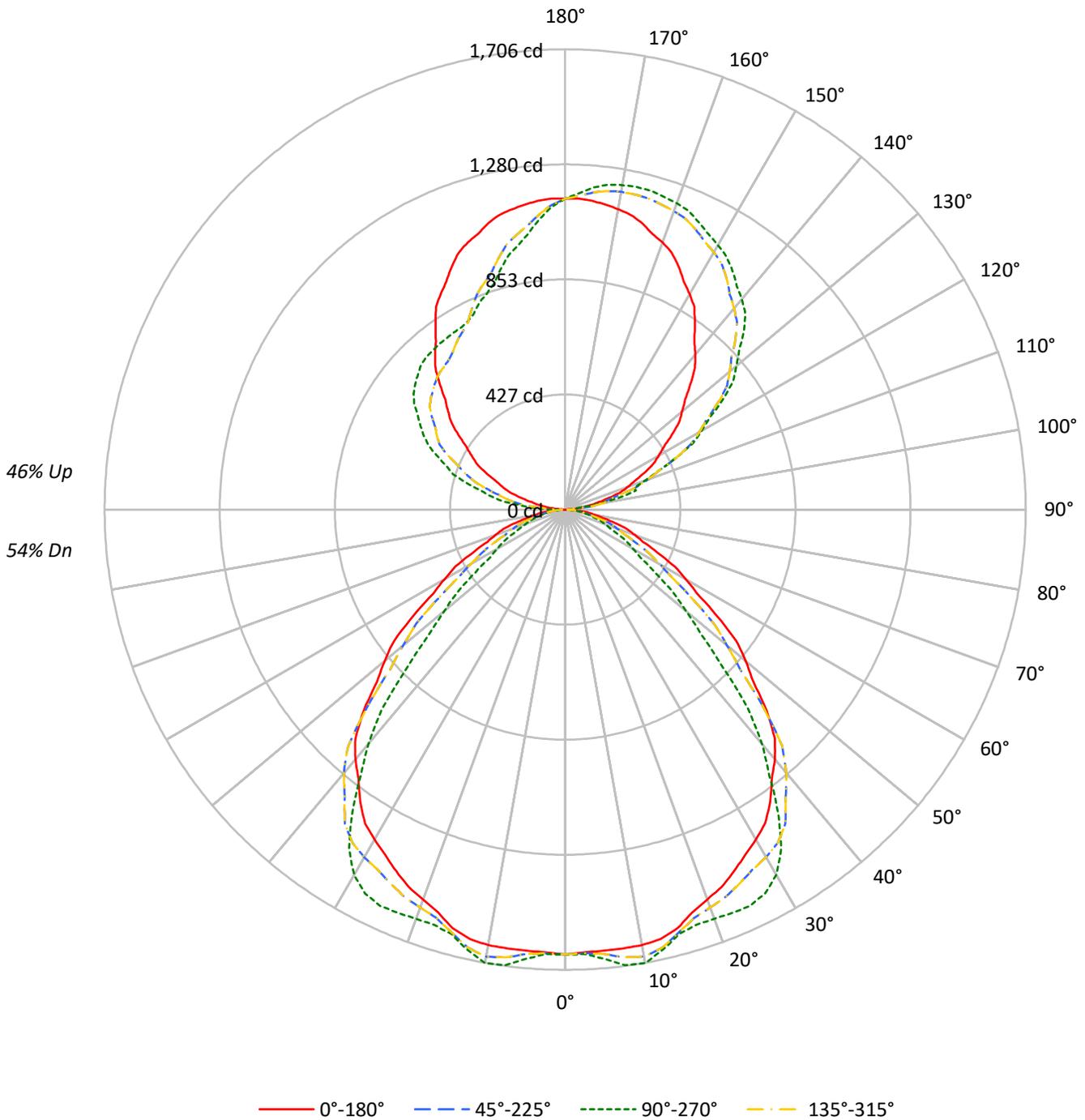
Lumens per Lamp: N/A
Luminaire Lumens: 7337.8 lumens
Efficiency: N/A
Efficacy: 145.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 50.3
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	108	108	108	108	100	100	100	100	86	86	86	72	72	72	60	60	60	54	54	54	54	
1	99	95	92	88	92	89	85	83	76	74	72	65	63	62	54	53	52	47	47	47	47	
2	91	84	78	73	84	78	73	69	67	64	60	58	55	52	48	46	45	40	40	40	40	
3	83	74	67	62	77	69	63	58	60	55	52	51	48	45	43	41	39	35	35	35	35	
4	77	66	59	53	71	62	55	50	54	49	44	46	42	39	39	36	34	30	30	30	30	
5	71	59	51	46	65	55	48	43	48	43	39	42	38	34	35	32	30	27	27	27	27	
6	65	53	45	40	60	50	43	38	44	38	34	38	34	30	32	29	27	24	24	24	24	
7	60	48	41	35	56	45	38	33	40	34	30	35	30	27	30	26	24	21	21	21	21	
8	56	44	36	31	52	41	34	30	36	31	27	32	27	24	27	24	21	19	19	19	19	
9	52	40	33	28	49	38	31	27	33	28	24	29	25	22	25	22	19	17	17	17	17	
10	49	37	30	25	45	35	28	24	31	26	22	27	23	20	23	20	18	16	16	16	16	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	26627	26627	26627	26627
5°	26593	27084	26593	27084
10°	26874	27976	26874	27976
15°	26865	27231	26865	27231
20°	26431	27730	26431	27730
25°	26355	28872	26355	28872
30°	26328	29149	26328	29149
35°	26078	27139	26078	27139
40°	25477	23882	25477	23882
45°	24107	18885	24107	18885
50°	21915	14654	21915	14654
55°	19259	11406	19259	11406
60°	16665	9390	16665	9390
65°	14387	8221	14387	8221
70°	12935	7303	12935	7303
75°	11853	6712	11853	6712
80°	10321	6564	10321	6564
85°	7466	3112	7466	3112

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 25881 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.3	2.2
10°-20°	461.1	6.3
20°-30°	712.7	9.7
30°-40°	857.1	11.7
40°-50°	769.7	10.5
50°-60°	515.7	7.0
60°-70°	300.0	4.1
70°-80°	154.1	2.1
80°-90°	42.8	0.6
90°-100°	91.7	1.3
100°-110°	267.5	3.6
110°-120°	436.5	5.9
120°-130°	553.9	7.5
130°-140°	592.7	8.1
140°-150°	553.5	7.5
150°-160°	455.4	6.2
160°-170°	305.4	4.2
170°-180°	108.5	1.5
0°-30°	1333.1	18.2
0°-40°	2190.2	29.8
0°-60°	3475.6	47.4
0°-90°	3972.5	54.1
90°-120°	795.8	10.8
90°-150°	2495.9	34.0
90°-180°	3365.0	45.9
0°-180°	7337.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1649	1649	1649	1649	1649	
5°	1641	1671	1641	1671	1641	157
15°	1607	1629	1607	1629	1607	451
25°	1479	1621	1479	1621	1479	682
35°	1323	1377	1323	1377	1323	825
45°	1056	827	1056	827	1056	808
55°	684	405	684	405	684	615
65°	377	215	377	215	377	381
75°	190	108	190	108	190	202
85°	40	17	40	17	40	50
90°	4	26	4	50	4	4
95°	36	27	36	157	36	44
105°	170	272	170	375	170	181
115°	326	452	326	556	326	321
125°	482	716	482	682	482	431
135°	655	937	655	756	655	506
145°	837	1080	837	772	837	524
155°	994	1174	994	801	994	457
165°	1099	1224	1099	922	1099	309
175°	1149	1198	1149	1082	1149	109
180°	1153	1153	1153	1153	1153	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2
2.5°	1642.5	1651.5	1660.5	1656.4	1648.0	1644.2	1644.8	1645.7	1647.4	1649.2	1647.4
5°	1640.8	1653.5	1666.2	1663.3	1655.0	1651.7	1653.2	1656.2	1663.6	1671.1	1663.6
7.5°	1640.5	1658.6	1676.7	1678.0	1673.9	1673.9	1678.3	1684.0	1693.8	1703.7	1693.8
10°	1639.2	1660.8	1682.5	1685.7	1682.7	1681.6	1682.3	1685.5	1695.9	1706.4	1695.9
12.5°	1631.1	1656.3	1681.6	1678.9	1667.0	1660.5	1659.4	1660.1	1665.8	1671.4	1665.8
15°	1607.2	1637.1	1667.0	1654.8	1628.7	1616.7	1619.0	1621.6	1625.3	1629.1	1625.3
17.5°	1565.2	1596.4	1627.6	1616.7	1591.8	1583.3	1591.4	1599.3	1606.6	1613.9	1606.6
20°	1538.3	1568.9	1599.6	1592.1	1571.9	1567.1	1577.5	1588.5	1601.2	1613.9	1601.2
22.5°	1514.1	1544.7	1575.3	1570.6	1554.0	1553.0	1567.6	1583.0	1600.5	1618.0	1600.5
25°	1479.4	1506.3	1533.2	1533.8	1525.6	1533.8	1558.5	1581.8	1601.2	1620.7	1601.2
27.5°	1443.1	1459.0	1474.8	1485.3	1493.9	1514.9	1548.3	1576.7	1590.3	1603.9	1590.3
30°	1412.2	1422.7	1433.1	1452.5	1475.0	1500.7	1529.9	1553.0	1558.3	1563.5	1558.3
32.5°	1378.6	1384.8	1391.1	1418.5	1452.8	1477.7	1493.1	1503.0	1496.3	1489.5	1496.3
35°	1323.1	1328.3	1333.6	1368.5	1413.3	1429.8	1417.8	1405.3	1391.1	1376.9	1391.1
37.5°	1257.2	1267.9	1278.7	1307.2	1341.5	1341.2	1306.3	1276.0	1259.7	1243.4	1259.7
40°	1208.8	1226.7	1244.6	1263.7	1283.1	1266.7	1214.4	1170.5	1151.8	1133.1	1151.8
42.5°	1149.6	1178.3	1207.0	1211.2	1207.4	1172.1	1105.4	1049.7	1026.9	1004.0	1026.9
45°	1055.8	1094.6	1133.5	1111.3	1068.7	1011.1	938.7	878.0	852.5	827.1	852.5
47.5°	945.2	985.1	1025.0	983.0	913.9	846.9	782.2	727.7	704.0	680.2	704.0
50°	872.5	904.7	936.8	889.3	815.4	748.1	687.6	635.7	609.5	583.4	609.5
52.5°	798.6	821.7	844.9	797.9	727.5	662.1	601.5	550.2	526.4	502.7	526.4
55°	684.2	696.2	708.2	664.6	602.6	542.8	485.3	438.0	421.6	405.2	421.6
57.5°	579.3	587.0	594.6	553.3	495.8	442.6	393.7	354.1	342.0	329.8	342.0
60°	516.1	521.4	526.6	484.7	427.2	379.4	341.3	310.3	300.6	290.8	300.6
62.5°	458.3	462.3	466.4	426.0	370.9	328.1	297.8	273.2	265.9	258.6	265.9
65°	376.6	380.3	384.1	349.7	302.6	267.5	244.3	225.7	220.4	215.2	220.4
67.5°	311.7	313.6	315.6	287.3	248.9	220.5	202.3	187.4	182.5	177.5	182.5
70°	274.0	274.8	275.5	250.5	216.9	191.8	175.4	162.1	158.4	154.7	158.4
72.5°	240.4	239.4	238.3	216.0	186.5	165.1	151.6	140.9	138.4	135.8	138.4
75°	190.0	187.7	185.5	167.0	143.1	126.6	117.7	110.6	109.1	107.6	109.1
77.5°	141.9	139.5	137.1	121.7	102.0	90.6	87.6	85.4	85.4	85.4	85.4
80°	111.0	108.0	105.0	93.0	78.1	70.6	70.6	70.6	70.6	70.6	70.6
82.5°	82.7	78.5	74.3	67.0	58.7	54.5	54.5	54.3	53.7	53.1	53.7
85°	40.3	36.6	32.9	31.9	31.9	29.7	25.2	21.3	19.1	16.8	19.1
87.5°	11.5	12.4	13.6	12.2	10.0	8.7	8.7	8.9	9.2	9.2	9.2
90°	3.5	8.1	14.0	18.6	22.1	23.3	23.3	24.4	25.6	25.6	25.6
92.5°	12.8	20.3	20.5	20.5	24.9	27.0	28.9	29.1	30.3	30.3	30.3
95°	36.1	39.6	59.4	58.2	39.6	31.4	26.8	26.8	26.8	26.8	26.8
97.5°	68.9	74.0	77.3	103.6	109.4	105.7	86.2	72.4	64.7	61.2	64.7
100°	97.8	100.1	107.1	108.3	137.4	165.3	151.3	133.9	128.1	124.6	128.1
102.5°	126.7	128.1	138.8	143.7	150.4	166.2	214.7	209.3	205.4	204.7	205.4
105°	170.0	171.1	190.9	200.2	204.9	204.9	203.7	227.0	264.3	272.4	264.3
107.5°	216.3	221.7	244.9	269.9	275.2	276.6	270.6	267.1	265.7	266.6	265.7
110°	248.0	256.1	284.1	315.5	323.6	326.0	323.6	320.2	317.8	317.8	317.8



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	278.7	290.6	322.3	358.3	372.1	379.1	373.9	371.4	369.1	370.9	369.1
115°	326.0	343.4	385.4	422.6	450.5	454.0	452.9	452.9	451.7	451.7	451.7
117.5°	369.7	397.7	444.7	488.0	520.4	529.7	534.4	533.0	531.6	533.9	531.6
120°	400.5	433.1	486.6	535.5	567.0	580.9	585.6	583.3	585.6	583.3	585.6
122.5°	433.1	473.1	525.8	576.5	613.5	629.4	635.0	635.4	635.9	634.5	635.9
125°	482.0	530.9	592.6	645.0	683.4	702.0	706.7	707.8	710.2	716.0	710.2
127.5°	531.3	586.8	654.5	705.0	744.4	767.0	774.2	776.8	781.6	784.2	781.6
130°	565.8	628.7	697.4	745.1	783.5	808.0	820.8	824.3	830.1	828.9	830.1
132.5°	602.1	667.8	737.4	787.0	822.6	848.9	859.9	869.9	872.0	873.6	872.0
135°	655.4	726.5	796.3	845.2	879.0	904.6	918.6	927.9	933.7	937.2	933.7
137.5°	711.6	786.5	853.6	897.1	931.1	953.2	969.1	978.9	984.9	987.7	984.9
140°	749.7	821.9	887.1	932.5	962.8	984.9	998.9	1010.5	1017.5	1017.5	1017.5
142.5°	786.1	857.3	920.6	966.1	992.6	1012.9	1027.8	1036.6	1044.5	1044.5	1044.5
145°	837.1	908.1	966.3	1011.7	1033.8	1052.4	1068.7	1075.7	1080.4	1080.4	1080.4
147.5°	890.4	953.2	1006.3	1049.9	1068.5	1090.4	1103.2	1108.8	1114.6	1112.0	1114.6
150°	922.0	980.3	1031.5	1072.2	1090.9	1111.8	1124.6	1129.3	1135.1	1131.6	1135.1
152.5°	952.8	1008.2	1054.8	1092.7	1108.6	1129.5	1144.2	1148.8	1152.8	1150.2	1152.8
155°	994.2	1043.1	1086.2	1121.1	1135.1	1154.9	1168.9	1174.7	1179.3	1173.5	1179.3
157.5°	1031.2	1073.4	1110.9	1143.0	1157.9	1174.9	1187.9	1195.2	1199.8	1197.3	1199.8
160°	1053.6	1092.0	1125.8	1156.1	1170.0	1185.2	1199.1	1207.3	1211.9	1208.4	1211.9
162.5°	1072.2	1106.9	1138.8	1166.3	1178.4	1191.7	1208.4	1215.7	1220.3	1215.9	1220.3
165°	1099.0	1126.9	1154.9	1178.2	1188.6	1199.1	1216.6	1224.7	1228.2	1223.6	1228.2
167.5°	1119.3	1140.7	1163.3	1183.3	1191.0	1201.2	1218.7	1225.4	1229.9	1224.0	1229.9
170°	1130.4	1149.1	1168.9	1185.2	1191.0	1200.3	1217.8	1223.6	1227.1	1221.2	1227.1
172.5°	1139.8	1153.7	1169.8	1184.2	1187.3	1194.7	1211.2	1217.1	1219.6	1214.7	1219.6
175°	1149.1	1157.2	1168.9	1178.2	1177.0	1181.7	1195.6	1200.3	1204.9	1198.0	1204.9
177.5°	1153.5	1157.2	1160.9	1166.5	1162.8	1162.8	1173.0	1175.8	1176.8	1173.0	1176.8
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2
2.5°	1645.7	1644.8	1644.2	1648.0	1656.4	1660.5	1651.5	1642.5	1651.5	1660.5	1656.4
5°	1656.2	1653.2	1651.7	1655.0	1663.3	1666.2	1653.5	1640.8	1653.5	1666.2	1663.3
7.5°	1684.0	1678.3	1673.9	1673.9	1678.0	1676.7	1658.6	1640.5	1658.6	1676.7	1678.0
10°	1685.5	1682.3	1681.6	1682.7	1685.7	1682.5	1660.8	1639.2	1660.8	1682.5	1685.7
12.5°	1660.1	1659.4	1660.5	1667.0	1678.9	1681.6	1656.3	1631.1	1656.3	1681.6	1678.9
15°	1621.6	1619.0	1616.7	1628.7	1654.8	1667.0	1637.1	1607.2	1637.1	1667.0	1654.8
17.5°	1599.3	1591.4	1583.3	1591.8	1616.7	1627.6	1596.4	1565.2	1596.4	1627.6	1616.7
20°	1588.5	1577.5	1567.1	1571.9	1592.1	1599.6	1568.9	1538.3	1568.9	1599.6	1592.1
22.5°	1583.0	1567.6	1553.0	1554.0	1570.6	1575.3	1544.7	1514.1	1544.7	1575.3	1570.6
25°	1581.8	1558.5	1533.8	1525.6	1533.8	1533.2	1506.3	1479.4	1506.3	1533.2	1533.8
27.5°	1576.7	1548.3	1514.9	1493.9	1485.3	1474.8	1459.0	1443.1	1459.0	1474.8	1485.3
30°	1553.0	1529.9	1500.7	1475.0	1452.5	1433.1	1422.7	1412.2	1422.7	1433.1	1452.5
32.5°	1503.0	1493.1	1477.7	1452.8	1418.5	1391.1	1384.8	1378.6	1384.8	1391.1	1418.5
35°	1405.3	1417.8	1429.8	1413.3	1368.5	1333.6	1328.3	1323.1	1328.3	1333.6	1368.5
37.5°	1276.0	1306.3	1341.2	1341.5	1307.2	1278.7	1267.9	1257.2	1267.9	1278.7	1307.2
40°	1170.5	1214.4	1266.7	1283.1	1263.7	1244.6	1226.7	1208.8	1226.7	1244.6	1263.7
42.5°	1049.7	1105.4	1172.1	1207.4	1211.2	1207.0	1178.3	1149.6	1178.3	1207.0	1211.2
45°	878.0	938.7	1011.1	1068.7	1111.3	1133.5	1094.6	1055.8	1094.6	1133.5	1111.3
47.5°	727.7	782.2	846.9	913.9	983.0	1025.0	985.1	945.2	985.1	1025.0	983.0
50°	635.7	687.6	748.1	815.4	889.3	936.8	904.7	872.5	904.7	936.8	889.3
52.5°	550.2	601.5	662.1	727.5	797.9	844.9	821.7	798.6	821.7	844.9	797.9
55°	438.0	485.3	542.8	602.6	664.6	708.2	696.2	684.2	696.2	708.2	664.6
57.5°	354.1	393.7	442.6	495.8	553.3	594.6	587.0	579.3	587.0	594.6	553.3
60°	310.3	341.3	379.4	427.2	484.7	526.6	521.4	516.1	521.4	526.6	484.7
62.5°	273.2	297.8	328.1	370.9	426.0	466.4	462.3	458.3	462.3	466.4	426.0
65°	225.7	244.3	267.5	302.6	349.7	384.1	380.3	376.6	380.3	384.1	349.7
67.5°	187.4	202.3	220.5	248.9	287.3	315.6	313.6	311.7	313.6	315.6	287.3
70°	162.1	175.4	191.8	216.9	250.5	275.5	274.8	274.0	274.8	275.5	250.5
72.5°	140.9	151.6	165.1	186.5	216.0	238.3	239.4	240.4	239.4	238.3	216.0
75°	110.6	117.7	126.6	143.1	167.0	185.5	187.7	190.0	187.7	185.5	167.0
77.5°	85.4	87.6	90.6	102.0	121.7	137.1	139.5	141.9	139.5	137.1	121.7
80°	70.6	70.6	70.6	78.1	93.0	105.0	108.0	111.0	108.0	105.0	93.0
82.5°	54.3	54.5	54.5	58.7	67.0	74.3	78.5	82.7	78.5	74.3	67.0
85°	21.3	25.2	29.7	31.9	31.9	32.9	36.6	40.3	36.6	32.9	31.9
87.5°	8.9	8.7	8.7	10.0	12.2	13.6	12.4	11.5	12.4	13.3	12.7
90°	24.4	23.3	23.3	22.1	18.6	14.0	8.1	3.5	8.1	12.8	21.0
92.5°	29.1	28.9	27.0	24.9	20.5	20.5	20.3	12.8	22.1	31.4	45.2
95°	26.8	26.8	31.4	39.6	58.2	59.4	39.6	36.1	51.2	72.2	90.8
97.5°	72.4	86.2	105.7	109.4	103.6	77.3	74.0	68.9	93.8	114.6	144.6
100°	133.9	151.3	165.3	137.4	108.3	107.1	100.1	97.8	124.6	144.4	173.5
102.5°	209.3	214.7	166.2	150.4	143.7	138.8	128.1	126.7	153.4	180.7	205.1
105°	227.0	203.7	204.9	204.9	200.2	190.9	171.1	170.0	200.2	231.7	261.9
107.5°	267.1	270.6	276.6	275.2	269.9	244.9	221.7	216.3	243.6	281.3	314.6
110°	320.2	323.6	326.0	323.6	315.5	284.1	256.1	248.0	272.4	312.0	348.1



TEST NUMBER: P1428235

CATALOG NUMBER: SQ2W-PR1-K-075U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	371.4	373.9	379.1	372.1	358.3	322.3	290.6	278.7	303.2	343.7	380.7
115°	452.9	452.9	454.0	450.5	422.6	385.4	343.4	326.0	346.9	384.2	424.9
117.5°	533.0	534.4	529.7	520.4	488.0	444.7	397.7	369.7	386.3	425.6	467.5
120°	583.3	585.6	580.9	567.0	535.5	486.6	433.1	400.5	413.3	451.7	493.6
122.5°	635.4	635.0	629.4	613.5	576.5	525.8	473.1	433.1	438.4	474.1	515.0
125°	707.8	706.7	702.0	683.4	645.0	592.6	530.9	482.0	475.0	505.3	547.2
127.5°	776.8	774.2	767.0	744.4	705.0	654.5	586.8	531.3	515.7	534.8	573.3
130°	824.3	820.8	808.0	783.5	745.1	697.4	628.7	565.8	543.7	555.3	589.1
132.5°	869.9	859.9	848.9	822.6	787.0	737.4	667.8	602.1	571.6	576.7	603.1
135°	927.9	918.6	904.6	879.0	845.2	796.3	726.5	655.4	613.5	608.9	624.0
137.5°	978.9	969.1	953.2	931.1	897.1	853.6	786.5	711.6	658.7	643.1	648.9
140°	1010.5	998.9	984.9	962.8	932.5	887.1	821.9	749.7	690.4	668.3	664.8
142.5°	1036.6	1027.8	1012.9	992.6	966.1	920.6	857.3	786.1	723.0	694.3	686.2
145°	1075.7	1068.7	1052.4	1033.8	1011.7	966.3	908.1	837.1	774.2	736.9	719.5
147.5°	1108.8	1103.2	1090.4	1068.5	1049.9	1006.3	953.2	890.4	825.9	779.8	757.2
150°	1129.3	1124.6	1111.8	1090.9	1072.2	1031.5	980.3	922.0	860.3	811.4	782.3
152.5°	1148.8	1144.2	1129.5	1108.6	1092.7	1054.8	1008.2	952.8	890.1	841.3	811.2
155°	1174.7	1168.9	1154.9	1135.1	1121.1	1086.2	1043.1	994.2	940.7	889.4	855.7
157.5°	1195.2	1187.9	1174.9	1157.9	1143.0	1110.9	1073.4	1031.2	984.4	935.6	901.1
160°	1207.3	1199.1	1185.2	1170.0	1156.1	1125.8	1092.0	1053.6	1010.5	966.3	929.0
162.5°	1215.7	1208.4	1191.7	1178.4	1166.3	1138.8	1106.9	1072.2	1033.8	995.2	960.7
165°	1224.7	1216.6	1199.1	1188.6	1178.2	1154.9	1126.9	1099.0	1066.4	1035.0	1007.0
167.5°	1225.4	1218.7	1201.2	1191.0	1183.3	1163.3	1140.7	1119.3	1093.9	1069.2	1045.9
170°	1223.6	1217.8	1200.3	1191.0	1185.2	1168.9	1149.1	1130.4	1110.6	1089.7	1071.1
172.5°	1217.1	1211.2	1194.7	1187.3	1184.2	1169.8	1153.7	1139.8	1122.8	1107.4	1092.5
175°	1200.3	1195.6	1181.7	1177.0	1178.2	1168.9	1157.2	1149.1	1138.6	1129.3	1121.1
177.5°	1175.8	1173.0	1162.8	1162.8	1166.5	1160.9	1157.2	1153.5	1148.8	1146.0	1143.2
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P1428235

CATALOG NUMBER: SQ2W-PR1-K-075U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2	1649.2
2.5°	1648.0	1644.2	1644.8	1645.7	1647.4	1649.2	1647.4	1645.7	1644.8	1644.2	1648.0
5°	1655.0	1651.7	1653.2	1656.2	1663.6	1671.1	1663.6	1656.2	1653.2	1651.7	1655.0
7.5°	1673.9	1673.9	1678.3	1684.0	1693.8	1703.7	1693.8	1684.0	1678.3	1673.9	1673.9
10°	1682.7	1681.6	1682.3	1685.5	1695.9	1706.4	1695.9	1685.5	1682.3	1681.6	1682.7
12.5°	1667.0	1660.5	1659.4	1660.1	1665.8	1671.4	1665.8	1660.1	1659.4	1660.5	1667.0
15°	1628.7	1616.7	1619.0	1621.6	1625.3	1629.1	1625.3	1621.6	1619.0	1616.7	1628.7
17.5°	1591.8	1583.3	1591.4	1599.3	1606.6	1613.9	1606.6	1599.3	1591.4	1583.3	1591.8
20°	1571.9	1567.1	1577.5	1588.5	1601.2	1613.9	1601.2	1588.5	1577.5	1567.1	1571.9
22.5°	1554.0	1553.0	1567.6	1583.0	1600.5	1618.0	1600.5	1583.0	1567.6	1553.0	1554.0
25°	1525.6	1533.8	1558.5	1581.8	1601.2	1620.7	1601.2	1581.8	1558.5	1533.8	1525.6
27.5°	1493.9	1514.9	1548.3	1576.7	1590.3	1603.9	1590.3	1576.7	1548.3	1514.9	1493.9
30°	1475.0	1500.7	1529.9	1553.0	1558.3	1563.5	1558.3	1553.0	1529.9	1500.7	1475.0
32.5°	1452.8	1477.7	1493.1	1503.0	1496.3	1489.5	1496.3	1503.0	1493.1	1477.7	1452.8
35°	1413.3	1429.8	1417.8	1405.3	1391.1	1376.9	1391.1	1405.3	1417.8	1429.8	1413.3
37.5°	1341.5	1341.2	1306.3	1276.0	1259.7	1243.4	1259.7	1276.0	1306.3	1341.2	1341.5
40°	1283.1	1266.7	1214.4	1170.5	1151.8	1133.1	1151.8	1170.5	1214.4	1266.7	1283.1
42.5°	1207.4	1172.1	1105.4	1049.7	1026.9	1004.0	1026.9	1049.7	1105.4	1172.1	1207.4
45°	1068.7	1011.1	938.7	878.0	852.5	827.1	852.5	878.0	938.7	1011.1	1068.7
47.5°	913.9	846.9	782.2	727.7	704.0	680.2	704.0	727.7	782.2	846.9	913.9
50°	815.4	748.1	687.6	635.7	609.5	583.4	609.5	635.7	687.6	748.1	815.4
52.5°	727.5	662.1	601.5	550.2	526.4	502.7	526.4	550.2	601.5	662.1	727.5
55°	602.6	542.8	485.3	438.0	421.6	405.2	421.6	438.0	485.3	542.8	602.6
57.5°	495.8	442.6	393.7	354.1	342.0	329.8	342.0	354.1	393.7	442.6	495.8
60°	427.2	379.4	341.3	310.3	300.6	290.8	300.6	310.3	341.3	379.4	427.2
62.5°	370.9	328.1	297.8	273.2	265.9	258.6	265.9	273.2	297.8	328.1	370.9
65°	302.6	267.5	244.3	225.7	220.4	215.2	220.4	225.7	244.3	267.5	302.6
67.5°	248.9	220.5	202.3	187.4	182.5	177.5	182.5	187.4	202.3	220.5	248.9
70°	216.9	191.8	175.4	162.1	158.4	154.7	158.4	162.1	175.4	191.8	216.9
72.5°	186.5	165.1	151.6	140.9	138.4	135.8	138.4	140.9	151.6	165.1	186.5
75°	143.1	126.6	117.7	110.6	109.1	107.6	109.1	110.6	117.7	126.6	143.1
77.5°	102.0	90.6	87.6	85.4	85.4	85.4	85.4	85.4	87.6	90.6	102.0
80°	78.1	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	78.1
82.5°	58.7	54.5	54.5	54.3	53.7	53.1	53.7	54.3	54.5	54.5	58.7
85°	31.9	29.7	25.2	21.3	19.1	16.8	19.1	21.3	25.2	29.7	31.9
87.5°	10.9	11.0	12.6	13.6	14.5	14.0	14.5	13.6	12.6	11.0	10.9
90°	26.8	34.9	43.1	47.7	52.4	50.1	52.4	47.7	43.1	34.9	26.8
92.5°	53.8	67.5	77.5	85.9	89.6	89.2	89.6	85.9	77.5	67.5	53.8
95°	108.3	124.6	140.9	152.5	159.5	157.2	159.5	152.5	140.9	124.6	108.3
97.5°	166.9	188.8	207.0	217.9	224.9	229.6	224.9	217.9	207.0	188.8	166.9
100°	206.1	227.0	248.0	260.8	272.4	277.1	272.4	260.8	248.0	227.0	206.1
102.5°	237.7	265.2	288.0	301.8	311.5	316.2	311.5	301.8	288.0	265.2	237.7
105°	289.9	319.0	343.4	360.9	371.4	374.9	371.4	360.9	343.4	319.0	289.9
107.5°	342.0	372.1	394.7	414.0	426.8	434.2	426.8	414.0	394.7	372.1	342.0
110°	383.0	407.5	431.9	449.4	462.2	466.8	462.2	449.4	431.9	407.5	383.0



TEST NUMBER: P1428235

CATALOG NUMBER: SQ2W-PR1-K-075U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	417.5	444.7	469.2	486.6	501.3	507.8	501.3	486.6	469.2	444.7	417.5
115°	465.7	501.8	523.9	540.2	550.7	556.5	550.7	540.2	523.9	501.8	465.7
117.5°	505.7	543.4	567.7	580.2	585.1	589.3	585.1	580.2	567.7	543.4	505.7
120°	530.9	565.8	593.7	610.0	615.9	618.2	615.9	610.0	593.7	565.8	530.9
122.5°	554.2	587.2	614.2	634.3	643.8	646.1	643.8	634.3	614.2	587.2	554.2
125°	586.8	618.2	646.1	665.9	676.4	682.2	676.4	665.9	646.1	618.2	586.8
127.5°	615.2	649.2	674.8	692.7	702.9	707.6	702.9	692.7	674.8	649.2	615.2
130°	631.0	665.9	691.5	711.3	720.6	725.3	720.6	711.3	691.5	665.9	631.0
132.5°	643.1	679.9	706.4	724.4	734.6	739.3	734.6	724.4	706.4	679.9	643.1
135°	657.8	696.2	724.1	741.6	750.9	755.6	750.9	741.6	724.1	696.2	657.8
137.5°	670.6	705.5	734.6	753.0	761.4	764.4	761.4	753.0	734.6	705.5	670.6
140°	679.9	710.2	739.3	756.7	766.0	767.2	766.0	756.7	739.3	710.2	679.9
142.5°	692.0	715.7	741.1	758.6	767.9	770.0	767.9	758.6	741.1	715.7	692.0
145°	713.7	727.6	745.1	761.4	769.5	771.9	769.5	761.4	745.1	727.6	713.7
147.5°	740.9	745.3	754.4	765.1	773.0	774.7	773.0	765.1	754.4	745.3	740.9
150°	761.4	760.2	763.7	770.7	777.7	776.5	777.7	770.7	763.7	760.2	761.4
152.5°	784.7	777.9	777.7	780.9	784.2	784.0	784.2	780.9	777.7	777.9	784.7
155°	824.3	811.4	804.5	802.1	802.1	801.0	802.1	802.1	804.5	811.4	824.3
157.5°	867.8	849.9	839.4	833.8	832.2	829.6	832.2	833.8	839.4	849.9	867.8
160°	897.6	877.8	867.3	858.0	854.5	851.0	854.5	858.0	867.3	877.8	897.6
162.5°	925.5	906.7	895.3	886.9	883.4	878.0	883.4	886.9	895.3	906.7	925.5
165°	970.9	951.2	938.3	931.4	926.7	922.0	926.7	931.4	938.3	951.2	970.9
167.5°	1016.3	994.7	986.3	978.4	974.0	965.6	974.0	978.4	986.3	994.7	1016.3
170°	1044.3	1024.5	1019.8	1012.9	1004.7	995.4	1004.7	1012.9	1019.8	1024.5	1044.3
172.5°	1068.5	1055.2	1050.6	1043.6	1041.0	1033.6	1041.0	1043.6	1050.6	1055.2	1068.5
175°	1103.7	1093.2	1093.2	1092.0	1088.5	1081.5	1088.5	1092.0	1093.2	1093.2	1103.7
177.5°	1133.0	1127.4	1131.1	1131.1	1130.2	1123.7	1130.2	1131.1	1131.1	1127.4	1133.0
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P1428235

CATALOG NUMBER: SQ2W-PR1-K-075U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1649.2	1649.2	1649.2	1649.2
2.5°	1656.4	1660.5	1651.5	1642.5
5°	1663.3	1666.2	1653.5	1640.8
7.5°	1678.0	1676.7	1658.6	1640.5
10°	1685.7	1682.5	1660.8	1639.2
12.5°	1678.9	1681.6	1656.3	1631.1
15°	1654.8	1667.0	1637.1	1607.2
17.5°	1616.7	1627.6	1596.4	1565.2
20°	1592.1	1599.6	1568.9	1538.3
22.5°	1570.6	1575.3	1544.7	1514.1
25°	1533.8	1533.2	1506.3	1479.4
27.5°	1485.3	1474.8	1459.0	1443.1
30°	1452.5	1433.1	1422.7	1412.2
32.5°	1418.5	1391.1	1384.8	1378.6
35°	1368.5	1333.6	1328.3	1323.1
37.5°	1307.2	1278.7	1267.9	1257.2
40°	1263.7	1244.6	1226.7	1208.8
42.5°	1211.2	1207.0	1178.3	1149.6
45°	1111.3	1133.5	1094.6	1055.8
47.5°	983.0	1025.0	985.1	945.2
50°	889.3	936.8	904.7	872.5
52.5°	797.9	844.9	821.7	798.6
55°	664.6	708.2	696.2	684.2
57.5°	553.3	594.6	587.0	579.3
60°	484.7	526.6	521.4	516.1
62.5°	426.0	466.4	462.3	458.3
65°	349.7	384.1	380.3	376.6
67.5°	287.3	315.6	313.6	311.7
70°	250.5	275.5	274.8	274.0
72.5°	216.0	238.3	239.4	240.4
75°	167.0	185.5	187.7	190.0
77.5°	121.7	137.1	139.5	141.9
80°	93.0	105.0	108.0	111.0
82.5°	67.0	74.3	78.5	82.7
85°	31.9	32.9	36.6	40.3
87.5°	12.7	13.3	12.4	11.5
90°	21.0	12.8	8.1	3.5
92.5°	45.2	31.4	22.1	12.8
95°	90.8	72.2	51.2	36.1
97.5°	144.6	114.6	93.8	68.9
100°	173.5	144.4	124.6	97.8
102.5°	205.1	180.7	153.4	126.7
105°	261.9	231.7	200.2	170.0
107.5°	314.6	281.3	243.6	216.3
110°	348.1	312.0	272.4	248.0

TEST NUMBER: P1428235

CATALOG NUMBER: SQ2W-PR1-K-075U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	380.7	343.7	303.2	278.7
115°	424.9	384.2	346.9	326.0
117.5°	467.5	425.6	386.3	369.7
120°	493.6	451.7	413.3	400.5
122.5°	515.0	474.1	438.4	433.1
125°	547.2	505.3	475.0	482.0
127.5°	573.3	534.8	515.7	531.3
130°	589.1	555.3	543.7	565.8
132.5°	603.1	576.7	571.6	602.1
135°	624.0	608.9	613.5	655.4
137.5°	648.9	643.1	658.7	711.6
140°	664.8	668.3	690.4	749.7
142.5°	686.2	694.3	723.0	786.1
145°	719.5	736.9	774.2	837.1
147.5°	757.2	779.8	825.9	890.4
150°	782.3	811.4	860.3	922.0
152.5°	811.2	841.3	890.1	952.8
155°	855.7	889.4	940.7	994.2
157.5°	901.1	935.6	984.4	1031.2
160°	929.0	966.3	1010.5	1053.6
162.5°	960.7	995.2	1033.8	1072.2
165°	1007.0	1035.0	1066.4	1099.0
167.5°	1045.9	1069.2	1093.9	1119.3
170°	1071.1	1089.7	1110.6	1130.4
172.5°	1092.5	1107.4	1122.8	1139.8
175°	1121.1	1129.3	1138.6	1149.1
177.5°	1143.2	1146.0	1148.8	1153.5
180°	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P1428235
 CATALOG NUMBER: SQ2W-PR1-K-075U-075D-L840-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	18.45	19.31	19.38	20.25	21.46	14.82	15.68	15.75	16.62	17.83
	3H	19.66	20.42	20.60	21.37	22.61	15.99	16.75	16.93	17.70	18.94
	4H	20.15	20.87	21.10	21.82	23.07	16.45	17.17	17.40	18.12	19.37
	6H	20.44	21.11	21.41	22.07	23.33	16.79	17.45	17.76	18.41	19.67
	8H	20.55	21.18	21.52	22.15	23.41	16.93	17.56	17.90	18.53	19.79
	12H	20.58	21.18	21.56	22.16	23.44	16.96	17.56	17.94	18.53	19.81
4H	2H	18.56	19.28	19.52	20.23	21.48	15.53	16.25	16.50	17.21	18.46
	3H	20.02	20.61	20.99	21.60	22.86	16.89	17.49	17.86	18.47	19.73
	4H	20.65	21.19	21.63	22.17	23.45	17.43	17.98	18.41	18.96	20.24
	6H	21.08	21.54	22.07	22.55	23.83	17.87	18.33	18.86	19.34	20.62
	8H	21.23	21.67	22.23	22.67	23.97	18.05	18.49	19.04	19.48	20.78
	12H	21.30	21.69	22.31	22.71	24.01	18.10	18.49	19.11	19.50	20.81
8H	4H	20.67	21.11	21.66	22.10	23.40	17.76	18.20	18.75	19.19	20.49
	6H	21.20	21.56	22.22	22.60	23.90	18.30	18.66	19.32	19.70	21.00
	8H	21.44	21.75	22.46	22.78	24.09	18.56	18.88	19.59	19.91	21.22
	12H	21.55	21.84	22.58	22.85	24.21	18.66	18.94	19.68	19.95	21.32
12H	4H	20.63	21.02	21.64	22.03	23.34	17.78	18.17	18.79	19.19	20.49
	6H	21.19	21.51	22.22	22.53	23.85	18.37	18.69	19.40	19.72	21.03
	8H	21.44	21.72	22.47	22.74	24.10	18.66	18.94	19.69	19.96	21.32