

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: P1427755

Luminaire Tested: SQ2W-F-K-100U-075D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427755
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-F-K-100U-075D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

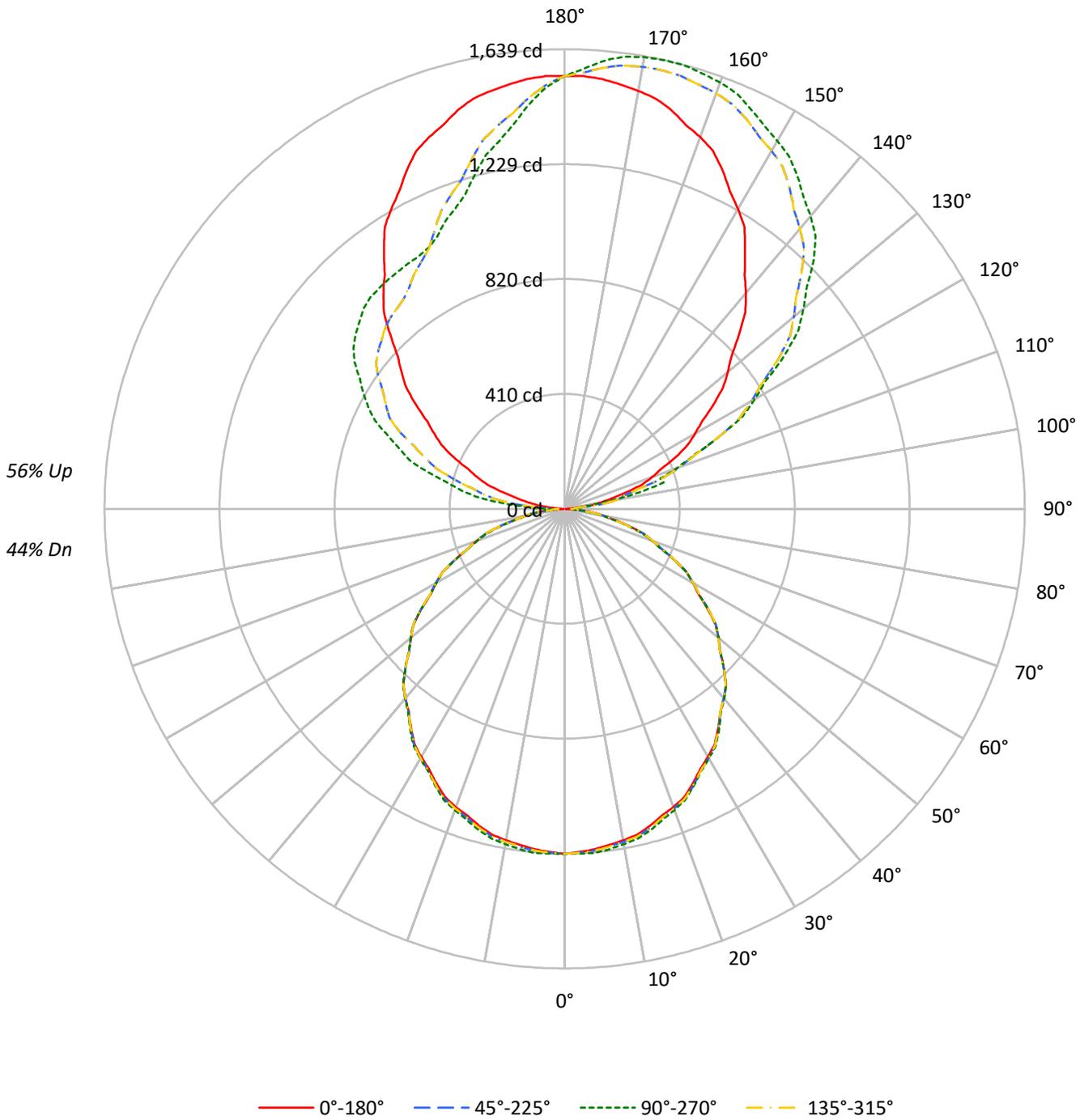
Lumens per Lamp: N/A
Luminaire Lumens: 7976.2 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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	50	30	10	0	
RCR																						
0	106	106	106	106	97	97	97	97	80	80	80	64	64	64	50	50	50	44				44
1	96	92	88	84	88	84	81	78	70	67	65	56	55	53	44	43	42				36	
2	87	80	74	69	80	73	68	64	61	57	54	49	47	44	39	37	35				30	
3	80	70	63	57	73	64	58	53	53	49	45	43	40	37	34	32	30				25	
4	73	62	54	48	66	57	50	45	47	42	38	39	35	32	30	28	25				22	
5	67	55	47	41	61	51	44	38	42	37	33	35	31	27	27	24	22				19	
6	61	49	41	35	56	45	38	33	38	33	28	31	27	24	25	22	19				16	
7	57	44	36	31	52	41	34	29	34	29	25	28	24	21	22	19	17				14	
8	53	40	33	27	48	37	30	25	31	26	22	26	22	19	21	18	15				13	
9	49	37	29	24	45	34	27	23	29	23	20	24	20	17	19	16	14				12	
10	46	34	26	22	42	31	25	20	26	21	18	22	18	15	18	15	13				10	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	19872	19872	19872	19872
5°	19752	19977	19752	19977
10°	19682	19910	19682	19910
15°	19573	19821	19573	19821
20°	19450	19644	19450	19644
25°	19240	19409	19240	19409
30°	19037	19165	19037	19165
35°	18794	18912	18794	18912
40°	18579	18634	18579	18634
45°	18308	18308	18308	18308
50°	17939	17984	17939	17984
55°	17520	17542	17520	17542
60°	17046	17046	17046	17046
65°	16493	16424	16493	16424
70°	15710	15550	15710	15550
75°	14653	14329	14653	14329
80°	13054	12413	13054	12413
85°	10430	8836	10430	8836

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 18431 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.5	1.5
10°-20°	332.8	4.2
20°-30°	500.9	6.3
30°-40°	599.0	7.5
40°-50°	618.5	7.8
50°-60°	557.9	7.0
60°-70°	427.4	5.4
70°-80°	247.0	3.1
80°-90°	70.5	0.9
90°-100°	122.8	1.5
100°-110°	358.2	4.5
110°-120°	584.5	7.3
120°-130°	741.7	9.3
130°-140°	793.6	9.9
140°-150°	741.1	9.3
150°-160°	609.8	7.6
160°-170°	409.0	5.1
170°-180°	145.2	1.8
0°-30°	950.1	11.9
0°-40°	1549.1	19.4
0°-60°	2725.5	34.2
0°-90°	3470.4	43.5
90°-120°	1065.5	13.4
90°-150°	3341.8	41.9
90°-180°	4506.0	56.5
0°-180°	7976.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1231	1231	1231	1231	1231	
5°	1219	1233	1219	1233	1219	116
15°	1171	1186	1171	1186	1171	330
25°	1080	1090	1080	1090	1080	498
35°	954	960	954	960	954	597
45°	802	802	802	802	802	618
55°	622	623	622	623	622	556
65°	432	430	432	430	432	427
75°	235	230	235	230	235	249
85°	56	48	56	48	56	66
90°	5	34	5	67	5	6
95°	48	36	48	210	48	58
105°	228	365	228	502	228	242
115°	436	605	436	745	436	430
125°	645	959	645	913	645	577
135°	878	1255	878	1012	878	678
145°	1121	1446	1121	1034	1121	701
155°	1331	1571	1331	1072	1331	612
165°	1472	1638	1472	1235	1472	414
175°	1538	1604	1538	1448	1538	146
180°	1543	1543	1543	1543	1543	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8
2.5°	1224.6	1230.4	1236.3	1233.8	1228.6	1226.6	1227.8	1228.9	1229.5	1230.1	1229.5
5°	1218.7	1226.4	1234.1	1231.4	1225.2	1222.6	1223.3	1224.9	1228.7	1232.6	1228.7
7.5°	1208.8	1216.5	1224.2	1221.8	1215.9	1213.4	1214.4	1216.1	1220.1	1224.1	1220.1
10°	1200.5	1208.2	1215.9	1213.2	1207.0	1204.7	1206.3	1208.2	1211.3	1214.4	1211.3
12.5°	1190.1	1197.8	1205.5	1203.3	1197.7	1195.4	1196.3	1197.9	1201.3	1204.7	1201.3
15°	1171.0	1178.7	1186.4	1184.3	1178.9	1176.8	1178.0	1179.6	1182.7	1185.8	1182.7
17.5°	1148.0	1155.2	1162.5	1160.5	1155.5	1153.7	1155.0	1156.6	1159.3	1162.0	1159.3
20°	1132.0	1139.0	1145.9	1143.9	1138.9	1136.5	1136.9	1137.9	1140.6	1143.3	1140.6
22.5°	1112.6	1119.5	1126.5	1124.7	1120.0	1117.2	1116.4	1116.6	1119.9	1123.2	1119.9
25°	1080.0	1086.9	1093.9	1092.4	1088.2	1085.5	1084.3	1084.2	1086.9	1089.5	1086.9
27.5°	1046.0	1051.8	1057.6	1056.4	1052.8	1050.7	1049.9	1049.8	1051.7	1053.7	1051.7
30°	1021.1	1026.9	1032.6	1031.2	1027.3	1025.0	1024.3	1024.2	1026.1	1028.0	1026.1
32.5°	994.7	1000.2	1005.7	1003.7	999.2	996.9	996.7	997.2	999.4	1001.7	999.4
35°	953.5	958.1	962.7	960.7	956.4	954.5	954.9	955.7	957.6	959.5	957.6
37.5°	912.0	915.6	919.1	917.1	913.1	911.1	911.0	911.4	913.0	914.6	913.0
40°	881.5	885.4	889.2	887.0	882.8	880.5	880.1	880.3	882.2	884.1	882.2
42.5°	850.3	853.2	856.2	854.2	850.6	848.9	849.1	849.5	850.5	851.5	850.5
45°	801.8	804.5	807.2	805.2	801.8	800.0	800.0	800.2	801.0	801.8	801.0
47.5°	751.0	753.1	755.1	753.6	750.9	749.4	748.9	748.9	750.1	751.3	750.1
50°	714.2	716.9	719.6	718.3	715.6	713.8	713.1	712.9	714.4	716.0	714.4
52.5°	678.2	681.2	684.2	682.9	680.2	678.3	677.2	676.7	678.0	679.2	678.0
55°	622.4	625.8	629.3	628.4	626.1	624.2	622.6	621.7	622.4	623.2	622.4
57.5°	565.3	568.7	572.1	571.4	569.4	567.5	565.7	564.5	565.6	566.7	565.6
60°	527.9	531.0	534.0	533.1	530.8	528.8	527.3	526.3	527.1	527.9	527.1
62.5°	489.7	492.8	495.9	494.7	492.1	490.0	488.5	487.5	488.3	489.0	488.3
65°	431.7	434.4	437.1	436.0	433.7	431.8	430.2	429.2	429.5	429.9	429.5
67.5°	373.1	375.4	377.7	376.6	374.4	372.1	369.9	368.4	369.0	369.6	369.0
70°	332.8	335.2	337.5	336.6	334.7	332.7	330.8	329.4	329.4	329.4	329.4
72.5°	294.0	296.0	298.0	296.8	294.6	292.7	291.1	289.9	289.9	289.9	289.9
75°	234.9	236.1	237.2	236.6	235.5	233.9	232.0	230.5	230.1	229.7	230.1
77.5°	177.9	177.9	177.9	176.8	175.3	173.8	172.4	171.2	170.7	170.2	170.7
80°	140.4	140.4	140.4	139.6	138.4	137.2	136.1	135.0	134.3	133.5	134.3
82.5°	105.7	105.1	104.5	103.5	102.3	100.9	99.1	98.0	98.7	99.5	98.7
85°	56.3	55.6	54.8	53.7	52.6	51.2	49.7	48.4	48.1	47.7	48.1
87.5°	18.3	18.9	19.8	20.2	20.3	19.5	18.3	17.6	17.6	17.3	17.6
90°	4.7	10.9	18.7	24.9	29.6	31.2	31.2	32.7	34.3	34.3	34.3
92.5°	17.1	27.1	27.4	27.4	33.4	36.2	38.7	39.0	40.5	40.5	40.5
95°	48.3	53.0	79.5	77.9	53.0	42.1	35.9	35.9	35.9	35.9	35.9
97.5°	92.3	99.1	103.5	138.7	146.5	141.5	115.3	97.0	86.7	82.0	86.7
100°	130.9	134.1	143.4	145.0	183.9	221.3	202.6	179.3	171.5	166.8	171.5
102.5°	169.6	171.5	185.8	192.4	201.4	222.6	287.4	280.3	275.0	274.0	275.0
105°	227.6	229.1	255.6	268.1	274.3	274.3	272.8	304.0	353.8	364.8	353.8
107.5°	289.6	296.8	328.0	361.3	368.5	370.4	362.3	357.6	355.7	357.0	355.7
110°	332.0	342.9	380.3	422.4	433.3	436.5	433.3	428.7	425.5	425.5	425.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	373.2	389.1	431.5	479.8	498.2	507.5	500.7	497.2	494.1	496.6	494.1
115°	436.5	459.8	516.0	565.8	603.2	607.9	606.4	606.4	604.8	604.8	604.8
117.5°	495.1	532.5	595.5	653.4	696.8	709.2	715.5	713.6	711.7	714.9	711.7
120°	536.2	579.9	651.6	717.0	759.1	777.8	784.1	780.9	784.1	780.9	784.1
122.5°	579.9	633.5	703.9	771.9	821.5	842.7	850.2	850.8	851.4	849.5	851.4
125°	645.3	710.8	793.4	863.6	915.0	939.9	946.2	947.7	950.9	958.6	950.9
127.5°	711.4	785.6	876.3	944.0	996.7	1026.9	1036.6	1040.0	1046.6	1050.0	1046.6
130°	757.6	841.7	933.7	997.6	1049.1	1081.8	1098.9	1103.6	1111.4	1109.8	1111.4
132.5°	806.2	894.1	987.3	1053.7	1101.4	1136.7	1151.3	1164.7	1167.5	1169.7	1167.5
135°	877.6	972.7	1066.2	1131.7	1176.9	1211.2	1229.9	1242.3	1250.1	1254.8	1250.1
137.5°	952.7	1053.1	1142.9	1201.2	1246.7	1276.3	1297.5	1310.6	1318.7	1322.5	1318.7
140°	1003.9	1100.5	1187.8	1248.6	1289.1	1318.7	1337.4	1353.0	1362.4	1362.4	1362.4
142.5°	1052.5	1147.9	1232.7	1293.5	1329.0	1356.1	1376.1	1387.9	1398.5	1398.5	1398.5
145°	1120.8	1215.8	1293.8	1354.6	1384.2	1409.1	1431.0	1440.3	1446.5	1446.5	1446.5
147.5°	1192.2	1276.3	1347.4	1405.7	1430.6	1459.9	1477.1	1484.6	1492.4	1488.9	1492.4
150°	1234.6	1312.5	1381.1	1435.6	1460.6	1488.6	1505.8	1512.0	1519.8	1515.1	1519.8
152.5°	1275.7	1349.9	1412.3	1463.1	1484.3	1512.3	1532.0	1538.2	1543.5	1540.1	1543.5
155°	1331.2	1396.7	1454.3	1501.1	1519.8	1546.3	1565.0	1572.8	1579.0	1571.2	1579.0
157.5°	1380.8	1437.2	1487.4	1530.4	1550.4	1573.1	1590.6	1600.2	1606.5	1603.0	1606.5
160°	1410.7	1462.1	1507.3	1547.9	1566.6	1586.8	1605.5	1616.5	1622.7	1618.0	1622.7
162.5°	1435.6	1482.1	1524.8	1561.6	1577.8	1595.6	1618.0	1627.7	1633.9	1628.0	1633.9
165°	1471.5	1508.9	1546.3	1577.5	1591.5	1605.5	1628.9	1639.8	1644.5	1638.3	1644.5
167.5°	1498.6	1527.3	1557.5	1584.3	1594.6	1608.3	1631.7	1640.8	1646.7	1638.9	1646.7
170°	1513.6	1538.5	1565.0	1586.8	1594.6	1607.1	1630.5	1638.3	1643.0	1635.2	1643.0
172.5°	1526.0	1544.7	1566.3	1585.6	1589.6	1599.6	1621.8	1629.5	1633.0	1626.4	1633.0
175°	1538.5	1549.4	1565.0	1577.5	1575.9	1582.2	1600.9	1607.1	1613.3	1604.0	1613.3
177.5°	1544.4	1549.4	1554.4	1561.9	1556.9	1556.9	1570.6	1574.4	1575.6	1570.6	1575.6
180°	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8
2.5°	1228.9	1227.8	1226.6	1228.6	1233.8	1236.3	1230.4	1224.6	1230.4	1236.3	1233.8
5°	1224.9	1223.3	1222.6	1225.2	1231.4	1234.1	1226.4	1218.7	1226.4	1234.1	1231.4
7.5°	1216.1	1214.4	1213.4	1215.9	1221.8	1224.2	1216.5	1208.8	1216.5	1224.2	1221.8
10°	1208.2	1206.3	1204.7	1207.0	1213.2	1215.9	1208.2	1200.5	1208.2	1215.9	1213.2
12.5°	1197.9	1196.3	1195.4	1197.7	1203.3	1205.5	1197.8	1190.1	1197.8	1205.5	1203.3
15°	1179.6	1178.0	1176.8	1178.9	1184.3	1186.4	1178.7	1171.0	1178.7	1186.4	1184.3
17.5°	1156.6	1155.0	1153.7	1155.5	1160.5	1162.5	1155.2	1148.0	1155.2	1162.5	1160.5
20°	1137.9	1136.9	1136.5	1138.9	1143.9	1145.9	1139.0	1132.0	1139.0	1145.9	1143.9
22.5°	1116.6	1116.4	1117.2	1120.0	1124.7	1126.5	1119.5	1112.6	1119.5	1126.5	1124.7
25°	1084.2	1084.3	1085.5	1088.2	1092.4	1093.9	1086.9	1080.0	1086.9	1093.9	1092.4
27.5°	1049.8	1049.9	1050.7	1052.8	1056.4	1057.6	1051.8	1046.0	1051.8	1057.6	1056.4
30°	1024.2	1024.3	1025.0	1027.3	1031.2	1032.6	1026.9	1021.1	1026.9	1032.6	1031.2
32.5°	997.2	996.7	996.9	999.2	1003.7	1005.7	1000.2	994.7	1000.2	1005.7	1003.7
35°	955.7	954.9	954.5	956.4	960.7	962.7	958.1	953.5	958.1	962.7	960.7
37.5°	911.4	911.0	911.1	913.1	917.1	919.1	915.6	912.0	915.6	919.1	917.1
40°	880.3	880.1	880.5	882.8	887.0	889.2	885.4	881.5	885.4	889.2	887.0
42.5°	849.5	849.1	848.9	850.6	854.2	856.2	853.2	850.3	853.2	856.2	854.2
45°	800.2	800.0	800.0	801.8	805.2	807.2	804.5	801.8	804.5	807.2	805.2
47.5°	748.9	748.9	749.4	750.9	753.6	755.1	753.1	751.0	753.1	755.1	753.6
50°	712.9	713.1	713.8	715.6	718.3	719.6	716.9	714.2	716.9	719.6	718.3
52.5°	676.7	677.2	678.3	680.2	682.9	684.2	681.2	678.2	681.2	684.2	682.9
55°	621.7	622.6	624.2	626.1	628.4	629.3	625.8	622.4	625.8	629.3	628.4
57.5°	564.5	565.7	567.5	569.4	571.4	572.1	568.7	565.3	568.7	572.1	571.4
60°	526.3	527.3	528.8	530.8	533.1	534.0	531.0	527.9	531.0	534.0	533.1
62.5°	487.5	488.5	490.0	492.1	494.7	495.9	492.8	489.7	492.8	495.9	494.7
65°	429.2	430.2	431.8	433.7	436.0	437.1	434.4	431.7	434.4	437.1	436.0
67.5°	368.4	369.9	372.1	374.4	376.6	377.7	375.4	373.1	375.4	377.7	376.6
70°	329.4	330.8	332.7	334.7	336.6	337.5	335.2	332.8	335.2	337.5	336.6
72.5°	289.9	291.1	292.7	294.6	296.8	298.0	296.0	294.0	296.0	298.0	296.8
75°	230.5	232.0	233.9	235.5	236.6	237.2	236.1	234.9	236.1	237.2	236.6
77.5°	171.2	172.4	173.8	175.3	176.8	177.9	177.9	177.9	177.9	177.9	176.8
80°	135.0	136.1	137.2	138.4	139.6	140.4	140.4	140.4	140.4	140.4	139.6
82.5°	98.0	99.1	100.9	102.3	103.5	104.5	105.1	105.7	105.1	104.5	103.5
85°	48.4	49.7	51.2	52.6	53.7	54.8	55.6	56.3	55.6	54.8	53.7
87.5°	17.6	18.3	19.5	20.3	20.2	19.8	18.9	18.3	18.9	19.5	20.9
90°	32.7	31.2	31.2	29.6	24.9	18.7	10.9	4.7	10.9	17.1	28.1
92.5°	39.0	38.7	36.2	33.4	27.4	27.4	27.1	17.1	29.6	42.1	60.5
95°	35.9	35.9	42.1	53.0	77.9	79.5	53.0	48.3	68.6	96.6	121.6
97.5°	97.0	115.3	141.5	146.5	138.7	103.5	99.1	92.3	125.6	153.4	193.6
100°	179.3	202.6	221.3	183.9	145.0	143.4	134.1	130.9	166.8	193.3	232.3
102.5°	280.3	287.4	222.6	201.4	192.4	185.8	171.5	169.6	205.4	241.9	274.7
105°	304.0	272.8	274.3	274.3	268.1	255.6	229.1	227.6	268.1	310.2	350.7
107.5°	357.6	362.3	370.4	368.5	361.3	328.0	296.8	289.6	326.1	376.6	421.2
110°	428.7	433.3	436.5	433.3	422.4	380.3	342.9	332.0	364.8	417.8	466.1



TEST NUMBER: P1427755

CATALOG NUMBER: SQ2W-F-K-100U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	497.2	500.7	507.5	498.2	479.8	431.5	389.1	373.2	405.9	460.2	509.7
115°	606.4	606.4	607.9	603.2	565.8	516.0	459.8	436.5	464.5	514.4	569.0
117.5°	713.6	715.5	709.2	696.8	653.4	595.5	532.5	495.1	517.2	569.9	626.0
120°	780.9	784.1	777.8	759.1	717.0	651.6	579.9	536.2	553.4	604.8	660.9
122.5°	850.8	850.2	842.7	821.5	771.9	703.9	633.5	579.9	587.0	634.7	689.6
125°	947.7	946.2	939.9	915.0	863.6	793.4	710.8	645.3	636.0	676.5	732.6
127.5°	1040.0	1036.6	1026.9	996.7	944.0	876.3	785.6	711.4	690.5	716.1	767.5
130°	1103.6	1098.9	1081.8	1049.1	997.6	933.7	841.7	757.6	727.9	743.5	788.7
132.5°	1164.7	1151.3	1136.7	1101.4	1053.7	987.3	894.1	806.2	765.4	772.2	807.4
135°	1242.3	1229.9	1211.2	1176.9	1131.7	1066.2	972.7	877.6	821.5	815.2	835.5
137.5°	1310.6	1297.5	1276.3	1246.7	1201.2	1142.9	1053.1	952.7	882.0	861.1	868.9
140°	1353.0	1337.4	1318.7	1289.1	1248.6	1187.8	1100.5	1003.9	924.4	894.7	890.1
142.5°	1387.9	1376.1	1356.1	1329.0	1293.5	1232.7	1147.9	1052.5	968.0	929.7	918.7
145°	1440.3	1431.0	1409.1	1384.2	1354.6	1293.8	1215.8	1120.8	1036.6	986.7	963.3
147.5°	1484.6	1477.1	1459.9	1430.6	1405.7	1347.4	1276.3	1192.2	1105.8	1044.1	1013.8
150°	1512.0	1505.8	1488.6	1460.6	1435.6	1381.1	1312.5	1234.6	1151.9	1086.5	1047.5
152.5°	1538.2	1532.0	1512.3	1484.3	1463.1	1412.3	1349.9	1275.7	1191.8	1126.4	1086.2
155°	1572.8	1565.0	1546.3	1519.8	1501.1	1454.3	1396.7	1331.2	1259.5	1190.9	1145.7
157.5°	1600.2	1590.6	1573.1	1550.4	1530.4	1487.4	1437.2	1380.8	1318.1	1252.6	1206.5
160°	1616.5	1605.5	1586.8	1566.6	1547.9	1507.3	1462.1	1410.7	1353.0	1293.8	1243.9
162.5°	1627.7	1618.0	1595.6	1577.8	1561.6	1524.8	1482.1	1435.6	1384.2	1332.4	1286.3
165°	1639.8	1628.9	1605.5	1591.5	1577.5	1546.3	1508.9	1471.5	1427.8	1385.8	1348.3
167.5°	1640.8	1631.7	1608.3	1594.6	1584.3	1557.5	1527.3	1498.6	1464.6	1431.6	1400.4
170°	1638.3	1630.5	1607.1	1594.6	1586.8	1565.0	1538.5	1513.6	1487.1	1459.0	1434.1
172.5°	1629.5	1621.8	1599.6	1589.6	1585.6	1566.3	1544.7	1526.0	1503.3	1482.7	1462.8
175°	1607.1	1600.9	1582.2	1575.9	1577.5	1565.0	1549.4	1538.5	1524.5	1512.0	1501.1
177.5°	1574.4	1570.6	1556.9	1556.9	1561.9	1554.4	1549.4	1544.4	1538.2	1534.5	1530.7
180°	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2



TEST NUMBER: P1427755

CATALOG NUMBER: SQ2W-F-K-100U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8	1230.8
2.5°	1228.6	1226.6	1227.8	1228.9	1229.5	1230.1	1229.5	1228.9	1227.8	1226.6	1228.6
5°	1225.2	1222.6	1223.3	1224.9	1228.7	1232.6	1228.7	1224.9	1223.3	1222.6	1225.2
7.5°	1215.9	1213.4	1214.4	1216.1	1220.1	1224.1	1220.1	1216.1	1214.4	1213.4	1215.9
10°	1207.0	1204.7	1206.3	1208.2	1211.3	1214.4	1211.3	1208.2	1206.3	1204.7	1207.0
12.5°	1197.7	1195.4	1196.3	1197.9	1201.3	1204.7	1201.3	1197.9	1196.3	1195.4	1197.7
15°	1178.9	1176.8	1178.0	1179.6	1182.7	1185.8	1182.7	1179.6	1178.0	1176.8	1178.9
17.5°	1155.5	1153.7	1155.0	1156.6	1159.3	1162.0	1159.3	1156.6	1155.0	1153.7	1155.5
20°	1138.9	1136.5	1136.9	1137.9	1140.6	1143.3	1140.6	1137.9	1136.9	1136.5	1138.9
22.5°	1120.0	1117.2	1116.4	1116.6	1119.9	1123.2	1119.9	1116.6	1116.4	1117.2	1120.0
25°	1088.2	1085.5	1084.3	1084.2	1086.9	1089.5	1086.9	1084.2	1084.3	1085.5	1088.2
27.5°	1052.8	1050.7	1049.9	1049.8	1051.7	1053.7	1051.7	1049.8	1049.9	1050.7	1052.8
30°	1027.3	1025.0	1024.3	1024.2	1026.1	1028.0	1026.1	1024.2	1024.3	1025.0	1027.3
32.5°	999.2	996.9	996.7	997.2	999.4	1001.7	999.4	997.2	996.7	996.9	999.2
35°	956.4	954.5	954.9	955.7	957.6	959.5	957.6	955.7	954.9	954.5	956.4
37.5°	913.1	911.1	911.0	911.4	913.0	914.6	913.0	911.4	911.0	911.1	913.1
40°	882.8	880.5	880.1	880.3	882.2	884.1	882.2	880.3	880.1	880.5	882.8
42.5°	850.6	848.9	849.1	849.5	850.5	851.5	850.5	849.5	849.1	848.9	850.6
45°	801.8	800.0	800.0	800.2	801.0	801.8	801.0	800.2	800.0	800.0	801.8
47.5°	750.9	749.4	748.9	748.9	750.1	751.3	750.1	748.9	748.9	749.4	750.9
50°	715.6	713.8	713.1	712.9	714.4	716.0	714.4	712.9	713.1	713.8	715.6
52.5°	680.2	678.3	677.2	676.7	678.0	679.2	678.0	676.7	677.2	678.3	680.2
55°	626.1	624.2	622.6	621.7	622.4	623.2	622.4	621.7	622.6	624.2	626.1
57.5°	569.4	567.5	565.7	564.5	565.6	566.7	565.6	564.5	565.7	567.5	569.4
60°	530.8	528.8	527.3	526.3	527.1	527.9	527.1	526.3	527.3	528.8	530.8
62.5°	492.1	490.0	488.5	487.5	488.3	489.0	488.3	487.5	488.5	490.0	492.1
65°	433.7	431.8	430.2	429.2	429.5	429.9	429.5	429.2	430.2	431.8	433.7
67.5°	374.4	372.1	369.9	368.4	369.0	369.6	369.0	368.4	369.9	372.1	374.4
70°	334.7	332.7	330.8	329.4	329.4	329.4	329.4	329.4	330.8	332.7	334.7
72.5°	294.6	292.7	291.1	289.9	289.9	289.9	289.9	289.9	291.1	292.7	294.6
75°	235.5	233.9	232.0	230.5	230.1	229.7	230.1	230.5	232.0	233.9	235.5
77.5°	175.3	173.8	172.4	171.2	170.7	170.2	170.7	171.2	172.4	173.8	175.3
80°	138.4	137.2	136.1	135.0	134.3	133.5	134.3	135.0	136.1	137.2	138.4
82.5°	102.3	100.9	99.1	98.0	98.7	99.5	98.7	98.0	99.1	100.9	102.3
85°	52.6	51.2	49.7	48.4	48.1	47.7	48.1	48.4	49.7	51.2	52.6
87.5°	21.5	22.6	23.6	23.8	24.7	23.8	24.7	23.8	23.6	22.6	21.5
90°	35.9	46.8	57.7	63.9	70.1	67.0	70.1	63.9	57.7	46.8	35.9
92.5°	72.0	90.4	103.8	115.0	120.0	119.4	120.0	115.0	103.8	90.4	72.0
95°	145.0	166.8	188.6	204.2	213.6	210.4	213.6	204.2	188.6	166.8	145.0
97.5°	223.5	252.8	277.2	291.8	301.2	307.4	301.2	291.8	277.2	252.8	223.5
100°	275.9	304.0	332.0	349.2	364.8	371.0	364.8	349.2	332.0	304.0	275.9
102.5°	318.3	355.1	385.6	404.0	417.1	423.4	417.1	404.0	385.6	355.1	318.3
105°	388.1	427.1	459.8	483.2	497.2	501.9	497.2	483.2	459.8	427.1	388.1
107.5°	458.0	498.2	528.4	554.3	571.4	581.4	571.4	554.3	528.4	498.2	458.0
110°	512.8	545.6	578.3	601.7	618.8	625.1	618.8	601.7	578.3	545.6	512.8

TEST NUMBER: P1427755

CATALOG NUMBER: SQ2W-F-K-100U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	559.0	595.5	628.2	651.6	671.2	679.9	671.2	651.6	628.2	595.5	559.0
115°	623.5	671.8	701.4	723.3	737.3	745.1	737.3	723.3	701.4	671.8	623.5
117.5°	677.1	727.6	760.1	776.9	783.4	789.1	783.4	776.9	760.1	727.6	677.1
120°	710.8	757.6	795.0	816.8	824.6	827.7	824.6	816.8	795.0	757.6	710.8
122.5°	742.0	786.2	822.4	849.2	862.0	865.1	862.0	849.2	822.4	786.2	742.0
125°	785.6	827.7	865.1	891.6	905.6	913.4	905.6	891.6	865.1	827.7	785.6
127.5°	823.7	869.2	903.5	927.5	941.2	947.4	941.2	927.5	903.5	869.2	823.7
130°	844.9	891.6	925.9	952.4	964.9	971.1	964.9	952.4	925.9	891.6	844.9
132.5°	861.1	910.3	945.9	969.9	983.6	989.8	983.6	969.9	945.9	910.3	861.1
135°	880.7	932.1	969.6	992.9	1005.4	1011.6	1005.4	992.9	969.6	932.1	880.7
137.5°	897.9	944.6	983.6	1008.2	1019.4	1023.5	1019.4	1008.2	983.6	944.6	897.9
140°	910.3	950.9	989.8	1013.2	1025.7	1027.2	1025.7	1013.2	989.8	950.9	910.3
142.5°	926.5	958.3	992.3	1015.7	1028.2	1031.0	1028.2	1015.7	992.3	958.3	926.5
145°	955.5	974.2	997.6	1019.4	1030.4	1033.5	1030.4	1019.4	997.6	974.2	955.5
147.5°	992.0	997.9	1010.1	1024.4	1035.0	1037.2	1035.0	1024.4	1010.1	997.9	992.0
150°	1019.4	1017.9	1022.6	1031.9	1041.3	1039.7	1041.3	1031.9	1022.6	1017.9	1019.4
152.5°	1050.6	1041.6	1041.3	1045.6	1050.0	1049.7	1050.0	1045.6	1041.3	1041.6	1050.6
155°	1103.6	1086.5	1077.1	1074.0	1074.0	1072.4	1074.0	1074.0	1077.1	1086.5	1103.6
157.5°	1161.9	1137.9	1123.9	1116.4	1114.2	1110.8	1114.2	1116.4	1123.9	1137.9	1161.9
160°	1201.8	1175.3	1161.3	1148.8	1144.1	1139.5	1144.1	1148.8	1161.3	1175.3	1201.8
162.5°	1239.2	1214.0	1198.7	1187.5	1182.8	1175.6	1182.8	1187.5	1198.7	1214.0	1239.2
165°	1300.0	1273.5	1256.4	1247.0	1240.8	1234.6	1240.8	1247.0	1256.4	1273.5	1300.0
167.5°	1360.8	1331.8	1320.6	1310.0	1304.1	1292.8	1304.1	1310.0	1320.6	1331.8	1360.8
170°	1398.2	1371.7	1365.5	1356.1	1345.2	1332.8	1345.2	1356.1	1365.5	1371.7	1398.2
172.5°	1430.6	1412.9	1406.6	1397.3	1393.9	1383.9	1393.9	1397.3	1406.6	1412.9	1430.6
175°	1477.7	1463.7	1463.7	1462.1	1457.5	1448.1	1457.5	1462.1	1463.7	1463.7	1477.7
177.5°	1517.0	1509.5	1514.5	1514.5	1513.3	1504.5	1513.3	1514.5	1514.5	1509.5	1517.0
180°	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2	1543.2



TEST NUMBER: P1427755

CATALOG NUMBER: SQ2W-F-K-100U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1230.8	1230.8	1230.8	1230.8
2.5°	1233.8	1236.3	1230.4	1224.6
5°	1231.4	1234.1	1226.4	1218.7
7.5°	1221.8	1224.2	1216.5	1208.8
10°	1213.2	1215.9	1208.2	1200.5
12.5°	1203.3	1205.5	1197.8	1190.1
15°	1184.3	1186.4	1178.7	1171.0
17.5°	1160.5	1162.5	1155.2	1148.0
20°	1143.9	1145.9	1139.0	1132.0
22.5°	1124.7	1126.5	1119.5	1112.6
25°	1092.4	1093.9	1086.9	1080.0
27.5°	1056.4	1057.6	1051.8	1046.0
30°	1031.2	1032.6	1026.9	1021.1
32.5°	1003.7	1005.7	1000.2	994.7
35°	960.7	962.7	958.1	953.5
37.5°	917.1	919.1	915.6	912.0
40°	887.0	889.2	885.4	881.5
42.5°	854.2	856.2	853.2	850.3
45°	805.2	807.2	804.5	801.8
47.5°	753.6	755.1	753.1	751.0
50°	718.3	719.6	716.9	714.2
52.5°	682.9	684.2	681.2	678.2
55°	628.4	629.3	625.8	622.4
57.5°	571.4	572.1	568.7	565.3
60°	533.1	534.0	531.0	527.9
62.5°	494.7	495.9	492.8	489.7
65°	436.0	437.1	434.4	431.7
67.5°	376.6	377.7	375.4	373.1
70°	336.6	337.5	335.2	332.8
72.5°	296.8	298.0	296.0	294.0
75°	236.6	237.2	236.1	234.9
77.5°	176.8	177.9	177.9	177.9
80°	139.6	140.4	140.4	140.4
82.5°	103.5	104.5	105.1	105.7
85°	53.7	54.8	55.6	56.3
87.5°	20.9	19.5	18.9	18.3
90°	28.1	17.1	10.9	4.7
92.5°	60.5	42.1	29.6	17.1
95°	121.6	96.6	68.6	48.3
97.5°	193.6	153.4	125.6	92.3
100°	232.3	193.3	166.8	130.9
102.5°	274.7	241.9	205.4	169.6
105°	350.7	310.2	268.1	227.6
107.5°	421.2	376.6	326.1	289.6
110°	466.1	417.8	364.8	332.0



TEST NUMBER: P1427755

CATALOG NUMBER: SQ2W-F-K-100U-075D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	509.7	460.2	405.9	373.2
115°	569.0	514.4	464.5	436.5
117.5°	626.0	569.9	517.2	495.1
120°	660.9	604.8	553.4	536.2
122.5°	689.6	634.7	587.0	579.9
125°	732.6	676.5	636.0	645.3
127.5°	767.5	716.1	690.5	711.4
130°	788.7	743.5	727.9	757.6
132.5°	807.4	772.2	765.4	806.2
135°	835.5	815.2	821.5	877.6
137.5°	868.9	861.1	882.0	952.7
140°	890.1	894.7	924.4	1003.9
142.5°	918.7	929.7	968.0	1052.5
145°	963.3	986.7	1036.6	1120.8
147.5°	1013.8	1044.1	1105.8	1192.2
150°	1047.5	1086.5	1151.9	1234.6
152.5°	1086.2	1126.4	1191.8	1275.7
155°	1145.7	1190.9	1259.5	1331.2
157.5°	1206.5	1252.6	1318.1	1380.8
160°	1243.9	1293.8	1353.0	1410.7
162.5°	1286.3	1332.4	1384.2	1435.6
165°	1348.3	1385.8	1427.8	1471.5
167.5°	1400.4	1431.6	1464.6	1498.6
170°	1434.1	1459.0	1487.1	1513.6
172.5°	1462.8	1482.7	1503.3	1526.0
175°	1501.1	1512.0	1524.5	1538.5
177.5°	1530.7	1534.5	1538.2	1544.4
180°	1543.2	1543.2	1543.2	1543.2



TEST NUMBER: P1427755
 CATALOG NUMBER: SQ2W-F-K-100U-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	17.62	18.43	18.63	19.45	20.81	17.53	18.35	18.54	19.37	20.73
	3H	19.40	20.14	20.42	21.17	22.55	19.30	20.03	20.32	21.06	22.44
	4H	20.10	20.79	21.13	21.82	23.21	19.98	20.68	21.01	21.71	23.10
	6H	20.53	21.17	21.57	22.21	23.61	20.39	21.03	21.43	22.07	23.47
	8H	20.69	21.30	21.74	22.35	23.75	20.54	21.14	21.58	22.20	23.59
	12H	20.77	21.35	21.83	22.40	23.82	20.60	21.18	21.65	22.22	23.64
4H	2H	18.19	18.89	19.23	19.92	21.30	18.13	18.82	19.16	19.85	21.24
	3H	20.21	20.79	21.26	21.85	23.25	20.12	20.70	21.16	21.76	23.16
	4H	21.02	21.55	22.07	22.60	24.03	20.91	21.44	21.96	22.49	23.92
	6H	21.57	22.03	22.63	23.10	24.52	21.43	21.89	22.49	22.96	24.38
	8H	21.78	22.21	22.85	23.28	24.71	21.62	22.05	22.69	23.12	24.55
	12H	21.90	22.28	22.98	23.36	24.80	21.71	22.10	22.79	23.18	24.62
8H	4H	21.26	21.69	22.33	22.76	24.19	21.16	21.59	22.23	22.66	24.09
	6H	21.95	22.30	23.04	23.41	24.84	21.82	22.17	22.90	23.28	24.71
	8H	22.25	22.56	23.35	23.66	25.11	22.10	22.41	23.19	23.50	24.95
	12H	22.43	22.71	23.53	23.79	25.28	22.24	22.52	23.34	23.60	25.09
12H	4H	21.25	21.64	22.34	22.72	24.16	21.16	21.55	22.24	22.63	24.07
	6H	22.00	22.31	23.09	23.40	24.85	21.87	22.18	22.97	23.28	24.73
	8H	22.33	22.60	23.43	23.69	25.18	22.18	22.45	23.28	23.54	25.03