

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: P1427744

Luminaire Tested: SQ2W-F-K-075U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1427744  
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-075U-125D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1250 LUMENS PER FOOT  
UPLIGHT 750 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

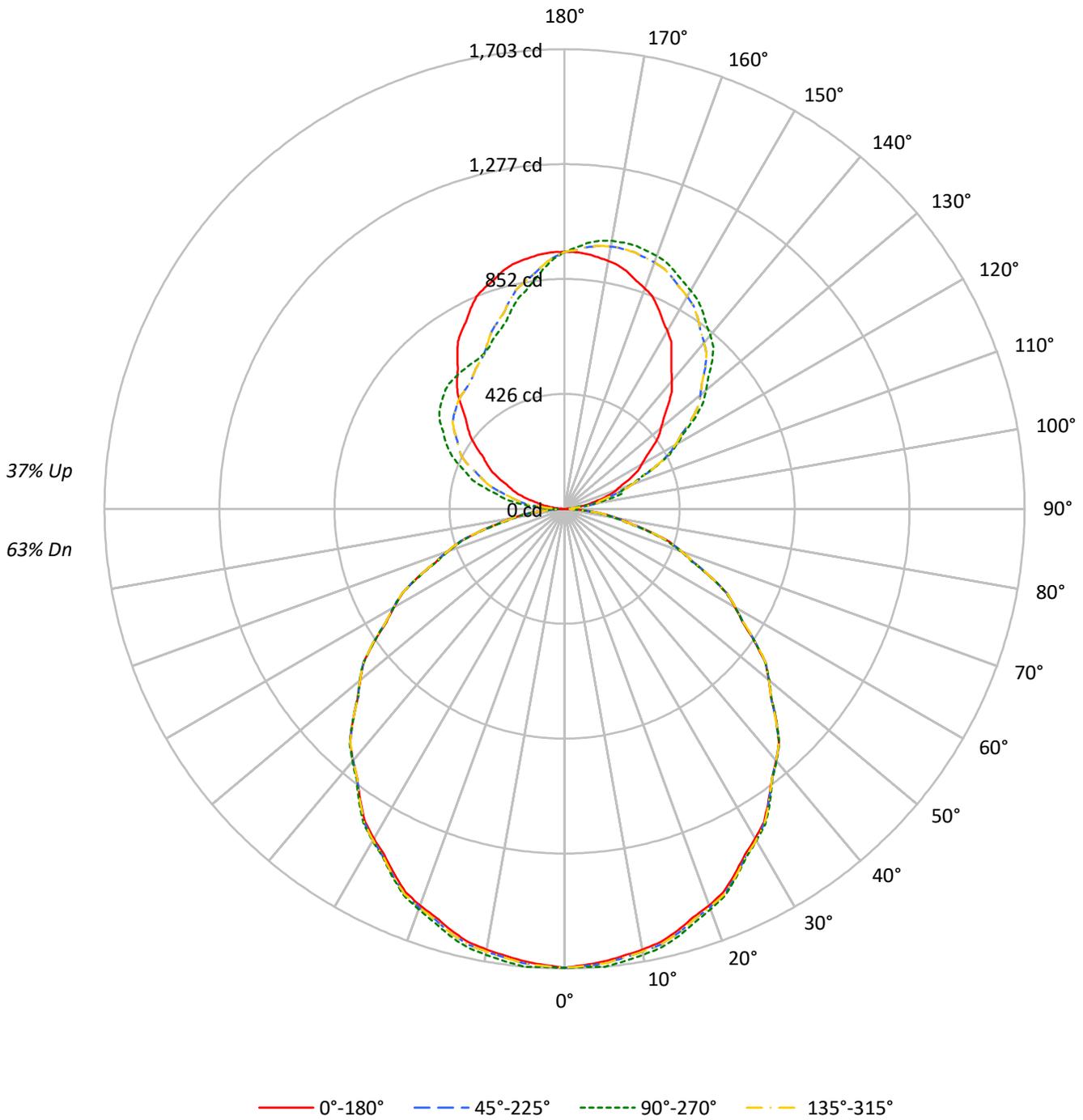
Lumens per Lamp: N/A  
Luminaire Lumens: 7567.3 lumens  
Efficiency: N/A  
Efficacy: 103.9 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 72.8  
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	0
RCR																		
0	110	110	110	110	103	103	103	103	91	91	91	79	79	79	68	68	68	63
1	101	96	92	88	94	90	87	83	79	77	74	69	67	66	60	59	57	53
2	91	84	77	72	85	79	73	68	69	65	61	61	57	54	53	50	48	44
3	83	73	66	60	78	69	62	57	61	56	51	53	49	46	46	43	41	37
4	76	65	57	50	71	61	54	48	54	48	43	47	43	39	41	38	35	32
5	70	58	49	43	65	55	47	41	48	42	37	43	38	34	37	33	30	27
6	64	52	43	37	60	49	41	36	44	37	33	38	33	30	34	30	27	24
7	60	47	39	33	56	44	37	31	39	33	29	35	30	26	31	27	24	21
8	55	43	35	29	52	40	33	28	36	30	26	32	27	23	28	24	21	19
9	51	39	31	26	48	37	30	25	33	27	23	29	24	21	26	22	19	17
10	48	36	28	23	45	34	27	22	30	25	21	27	22	19	24	20	17	15

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	27457	27457	27457	27457
5°	27290	27601	27290	27601
10°	27194	27507	27194	27507
15°	27043	27384	27043	27384
20°	26872	27140	26872	27140
25°	26583	26818	26583	26818
30°	26302	26479	26302	26479
35°	25964	26130	25964	26130
40°	25669	25745	25669	25745
45°	25295	25295	25295	25295
50°	24786	24847	24786	24847
55°	24205	24239	24205	24239
60°	23550	23550	23550	23550
65°	22785	22693	22785	22693
70°	21710	21484	21710	21484
75°	20243	19800	20243	19800
80°	18038	17145	18038	17145
85°	14412	12208	14412	12208

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 25464 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.9	2.1
10°-20°	459.8	6.1
20°-30°	692.1	9.1
30°-40°	827.6	10.9
40°-50°	854.6	11.3
50°-60°	770.8	10.2
60°-70°	590.5	7.8
70°-80°	341.2	4.5
80°-90°	92.6	1.2
90°-100°	75.7	1.0
100°-110°	220.8	2.9
110°-120°	360.3	4.8
120°-130°	457.2	6.0
130°-140°	489.2	6.5
140°-150°	456.8	6.0
150°-160°	375.9	5.0
160°-170°	252.1	3.3
170°-180°	89.5	1.2
0°-30°	1312.7	17.3
0°-40°	2140.3	28.3
0°-60°	3765.7	49.8
0°-90°	4790.0	63.3
90°-120°	656.7	8.7
90°-150°	2059.9	27.2
90°-180°	2777.0	36.7
0°-180°	7567.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1701	1701	1701	1701	1701	
5°	1684	1703	1684	1703	1684	160
15°	1618	1638	1618	1638	1618	456
25°	1492	1505	1492	1505	1492	688
35°	1317	1326	1317	1326	1317	825
45°	1108	1108	1108	1108	1108	854
55°	860	861	860	861	860	768
65°	596	594	596	594	596	590
75°	324	317	324	317	324	344
85°	78	66	78	66	78	91
90°	3	21	3	41	3	6
95°	30	22	30	130	30	36
105°	140	225	140	309	140	149
115°	269	373	269	459	269	265
125°	398	591	398	563	398	356
135°	541	773	541	624	541	418
145°	691	892	691	637	691	432
155°	820	968	820	661	820	377
165°	907	1010	907	761	907	255
175°	948	989	948	893	948	90
180°	951	951	951	951	951	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6
2.5°	1692.0	1700.0	1708.1	1704.7	1697.5	1694.7	1696.4	1697.9	1698.8	1699.6	1698.8
5°	1683.8	1694.5	1705.1	1701.4	1692.9	1689.1	1690.2	1692.3	1697.6	1703.0	1697.6
7.5°	1670.2	1680.8	1691.4	1688.0	1679.9	1676.5	1677.8	1680.2	1685.7	1691.2	1685.7
10°	1658.7	1669.3	1679.9	1676.2	1667.7	1664.5	1666.6	1669.3	1673.6	1677.8	1673.6
12.5°	1644.3	1654.9	1665.6	1662.5	1654.8	1651.6	1652.9	1655.0	1659.7	1664.4	1659.7
15°	1617.9	1628.6	1639.2	1636.3	1628.9	1625.9	1627.5	1629.8	1634.0	1638.3	1634.0
17.5°	1586.1	1596.1	1606.1	1603.4	1596.5	1593.9	1595.7	1598.0	1601.8	1605.5	1601.8
20°	1564.0	1573.6	1583.2	1580.4	1573.5	1570.3	1570.8	1572.2	1575.9	1579.6	1575.9
22.5°	1537.2	1546.8	1556.4	1553.9	1547.4	1543.6	1542.4	1542.7	1547.3	1551.8	1547.3
25°	1492.2	1501.8	1511.4	1509.4	1503.5	1499.8	1498.2	1497.9	1501.6	1505.4	1501.6
27.5°	1445.2	1453.2	1461.2	1459.5	1454.6	1451.7	1450.6	1450.5	1453.1	1455.8	1453.1
30°	1410.8	1418.7	1426.7	1424.7	1419.4	1416.2	1415.1	1415.0	1417.7	1420.3	1417.7
32.5°	1374.4	1381.9	1389.5	1386.7	1380.6	1377.4	1377.1	1377.8	1380.8	1383.9	1380.8
35°	1317.3	1323.7	1330.1	1327.3	1321.5	1318.8	1319.3	1320.4	1323.1	1325.7	1323.1
37.5°	1260.1	1265.0	1269.9	1267.0	1261.6	1258.8	1258.7	1259.2	1261.5	1263.7	1261.5
40°	1217.9	1223.3	1228.6	1225.5	1219.7	1216.5	1215.9	1216.2	1218.9	1221.5	1218.9
42.5°	1174.8	1178.9	1182.9	1180.2	1175.2	1172.8	1173.2	1173.7	1175.1	1176.5	1175.1
45°	1107.8	1111.5	1115.2	1112.6	1107.8	1105.4	1105.4	1105.6	1106.7	1107.8	1106.7
47.5°	1037.6	1040.5	1043.3	1041.3	1037.5	1035.4	1034.7	1034.7	1036.4	1038.1	1036.4
50°	986.8	990.5	994.3	992.4	988.7	986.3	985.2	984.9	987.1	989.2	987.1
52.5°	937.0	941.1	945.3	943.5	939.8	937.2	935.7	935.0	936.7	938.4	936.7
55°	859.9	864.7	869.4	868.3	865.1	862.4	860.3	858.9	860.0	861.1	860.0
57.5°	781.1	785.7	790.4	789.5	786.8	784.1	781.5	780.0	781.5	783.0	781.5
60°	729.3	733.6	737.8	736.5	733.3	730.7	728.5	727.2	728.3	729.3	728.3
62.5°	676.6	680.9	685.2	683.5	679.9	677.0	674.9	673.5	674.6	675.7	674.6
65°	596.4	600.1	603.8	602.4	599.2	596.5	594.4	592.9	593.5	594.0	593.5
67.5°	515.4	518.6	521.8	520.3	517.2	514.1	511.1	508.9	509.8	510.7	509.8
70°	459.9	463.1	466.3	465.1	462.4	459.7	457.1	455.1	455.1	455.1	455.1
72.5°	406.2	409.0	411.8	410.1	407.0	404.4	402.1	400.5	400.5	400.5	400.5
75°	324.5	326.1	327.7	326.9	325.3	323.2	320.6	318.4	317.9	317.4	317.9
77.5°	245.7	245.7	245.7	244.2	242.2	240.2	238.2	236.5	235.8	235.2	235.8
80°	194.0	194.0	194.0	192.8	191.2	189.6	188.0	186.6	185.5	184.4	185.5
82.5°	146.1	145.3	144.4	143.0	141.4	139.4	136.9	135.4	136.4	137.5	136.4
85°	77.8	76.8	75.7	74.3	72.7	70.8	68.7	66.9	66.4	65.9	66.4
87.5°	24.5	24.4	24.6	24.2	23.5	22.2	20.4	19.3	19.0	18.6	19.0
90°	2.9	6.7	11.5	15.4	18.3	19.2	19.2	20.2	21.1	21.1	21.1
92.5°	10.6	16.7	16.9	16.9	20.6	22.3	23.8	24.0	25.0	25.0	25.0
95°	29.8	32.7	49.0	48.0	32.7	25.9	22.1	22.1	22.1	22.1	22.1
97.5°	56.9	61.1	63.8	85.5	90.3	87.2	71.1	59.8	53.4	50.5	53.4
100°	80.7	82.6	88.4	89.4	113.4	136.4	124.9	110.5	105.7	102.8	105.7
102.5°	104.5	105.7	114.5	118.6	124.1	137.2	177.2	172.8	169.5	168.9	169.5
105°	140.3	141.2	157.6	165.3	169.1	169.1	168.1	187.4	218.1	224.8	218.1
107.5°	178.5	182.9	202.2	222.7	227.1	228.3	223.3	220.4	219.3	220.0	219.3
110°	204.7	211.4	234.4	260.4	267.1	269.0	267.1	264.2	262.3	262.3	262.3



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	230.0	239.8	266.0	295.7	307.1	312.8	308.6	306.5	304.6	306.1	304.6
115°	269.0	283.4	318.0	348.8	371.8	374.7	373.8	373.8	372.8	372.8	372.8
117.5°	305.2	328.2	367.0	402.8	429.5	437.2	441.0	439.9	438.7	440.6	438.7
120°	330.5	357.4	401.6	442.0	467.9	479.4	483.3	481.4	483.3	481.4	483.3
122.5°	357.4	390.5	433.9	475.8	506.3	519.4	524.0	524.4	524.8	523.6	524.8
125°	397.8	438.1	489.1	532.3	564.0	579.4	583.2	584.2	586.1	590.9	586.1
127.5°	438.5	484.2	540.2	581.9	614.3	633.0	638.9	641.0	645.1	647.2	645.1
130°	467.0	518.8	575.5	614.9	646.6	666.8	677.4	680.3	685.1	684.1	685.1
132.5°	496.9	551.1	608.6	649.5	678.9	700.6	709.7	717.9	719.6	721.0	719.6
135°	540.9	599.5	657.2	697.5	725.4	746.5	758.1	765.8	770.6	773.4	770.6
137.5°	587.2	649.1	704.5	740.4	768.5	786.7	799.8	807.8	812.8	815.1	812.8
140°	618.8	678.3	732.1	769.6	794.6	812.8	824.4	834.0	839.7	839.7	839.7
142.5°	648.7	707.5	759.8	797.3	819.2	835.9	848.2	855.5	862.0	862.0	862.0
145°	690.8	749.4	797.5	834.9	853.2	868.6	882.0	887.8	891.6	891.6	891.6
147.5°	734.8	786.7	830.5	866.5	881.8	899.9	910.5	915.1	919.9	917.8	919.9
150°	761.0	809.0	851.3	884.9	900.3	917.6	928.1	932.0	936.8	933.9	936.8
152.5°	786.3	832.1	870.5	901.8	914.9	932.2	944.3	948.1	951.4	949.3	951.4
155°	820.5	860.9	896.4	925.3	936.8	953.1	964.6	969.5	973.3	968.5	973.3
157.5°	851.1	885.9	916.8	943.3	955.6	969.6	980.4	986.4	990.2	988.1	990.2
160°	869.5	901.2	929.1	954.1	965.6	978.1	989.6	996.4	1000.2	997.3	1000.2
162.5°	884.9	913.5	939.9	962.5	972.5	983.5	997.3	1003.3	1007.1	1003.5	1007.1
165°	907.0	930.1	953.1	972.3	981.0	989.6	1004.0	1010.8	1013.7	1009.8	1013.7
167.5°	923.7	941.4	960.0	976.6	982.9	991.4	1005.8	1011.3	1015.0	1010.2	1015.0
170°	932.9	948.3	964.6	978.1	982.9	990.6	1005.0	1009.8	1012.7	1007.9	1012.7
172.5°	940.6	952.2	965.4	977.3	979.8	986.0	999.6	1004.4	1006.5	1002.5	1006.5
175°	948.3	955.0	964.6	972.3	971.4	975.2	986.7	990.6	994.4	988.7	994.4
177.5°	952.0	955.0	958.1	962.7	959.7	959.7	968.1	970.4	971.2	968.1	971.2
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6
2.5°	1697.9	1696.4	1694.7	1697.5	1704.7	1708.1	1700.0	1692.0	1700.0	1708.1	1704.7
5°	1692.3	1690.2	1689.1	1692.9	1701.4	1705.1	1694.5	1683.8	1694.5	1705.1	1701.4
7.5°	1680.2	1677.8	1676.5	1679.9	1688.0	1691.4	1680.8	1670.2	1680.8	1691.4	1688.0
10°	1669.3	1666.6	1664.5	1667.7	1676.2	1679.9	1669.3	1658.7	1669.3	1679.9	1676.2
12.5°	1655.0	1652.9	1651.6	1654.8	1662.5	1665.6	1654.9	1644.3	1654.9	1665.6	1662.5
15°	1629.8	1627.5	1625.9	1628.9	1636.3	1639.2	1628.6	1617.9	1628.6	1639.2	1636.3
17.5°	1598.0	1595.7	1593.9	1596.5	1603.4	1606.1	1596.1	1586.1	1596.1	1606.1	1603.4
20°	1572.2	1570.8	1570.3	1573.5	1580.4	1583.2	1573.6	1564.0	1573.6	1583.2	1580.4
22.5°	1542.7	1542.4	1543.6	1547.4	1553.9	1556.4	1546.8	1537.2	1546.8	1556.4	1553.9
25°	1497.9	1498.2	1499.8	1503.5	1509.4	1511.4	1501.8	1492.2	1501.8	1511.4	1509.4
27.5°	1450.5	1450.6	1451.7	1454.6	1459.5	1461.2	1453.2	1445.2	1453.2	1461.2	1459.5
30°	1415.0	1415.1	1416.2	1419.4	1424.7	1426.7	1418.7	1410.8	1418.7	1426.7	1424.7
32.5°	1377.8	1377.1	1377.4	1380.6	1386.7	1389.5	1381.9	1374.4	1381.9	1389.5	1386.7
35°	1320.4	1319.3	1318.8	1321.5	1327.3	1330.1	1323.7	1317.3	1323.7	1330.1	1327.3
37.5°	1259.2	1258.7	1258.8	1261.6	1267.0	1269.9	1265.0	1260.1	1265.0	1269.9	1267.0
40°	1216.2	1215.9	1216.5	1219.7	1225.5	1228.6	1223.3	1217.9	1223.3	1228.6	1225.5
42.5°	1173.7	1173.2	1172.8	1175.2	1180.2	1182.9	1178.9	1174.8	1178.9	1182.9	1180.2
45°	1105.6	1105.4	1105.4	1107.8	1112.6	1115.2	1111.5	1107.8	1111.5	1115.2	1112.6
47.5°	1034.7	1034.7	1035.4	1037.5	1041.3	1043.3	1040.5	1037.6	1040.5	1043.3	1041.3
50°	984.9	985.2	986.3	988.7	992.4	994.3	990.5	986.8	990.5	994.3	992.4
52.5°	935.0	935.7	937.2	939.8	943.5	945.3	941.1	937.0	941.1	945.3	943.5
55°	858.9	860.3	862.4	865.1	868.3	869.4	864.7	859.9	864.7	869.4	868.3
57.5°	780.0	781.5	784.1	786.8	789.5	790.4	785.7	781.1	785.7	790.4	789.5
60°	727.2	728.5	730.7	733.3	736.5	737.8	733.6	729.3	733.6	737.8	736.5
62.5°	673.5	674.9	677.0	679.9	683.5	685.2	680.9	676.6	680.9	685.2	683.5
65°	592.9	594.4	596.5	599.2	602.4	603.8	600.1	596.4	600.1	603.8	602.4
67.5°	508.9	511.1	514.1	517.2	520.3	521.8	518.6	515.4	518.6	521.8	520.3
70°	455.1	457.1	459.7	462.4	465.1	466.3	463.1	459.9	463.1	466.3	465.1
72.5°	400.5	402.1	404.4	407.0	410.1	411.8	409.0	406.2	409.0	411.8	410.1
75°	318.4	320.6	323.2	325.3	326.9	327.7	326.1	324.5	326.1	327.7	326.9
77.5°	236.5	238.2	240.2	242.2	244.2	245.7	245.7	245.7	245.7	245.7	244.2
80°	186.6	188.0	189.6	191.2	192.8	194.0	194.0	194.0	194.0	194.0	192.8
82.5°	135.4	136.9	139.4	141.4	143.0	144.4	145.3	146.1	145.3	144.4	143.0
85°	66.9	68.7	70.8	72.7	74.3	75.7	76.8	77.8	76.8	75.7	74.3
87.5°	19.3	20.4	22.2	23.5	24.2	24.6	24.4	24.5	24.4	24.4	24.5
90°	20.2	19.2	19.2	18.3	15.4	11.5	6.7	2.9	6.7	10.6	17.3
92.5°	24.0	23.8	22.3	20.6	16.9	16.9	16.7	10.6	18.3	25.9	37.3
95°	22.1	22.1	25.9	32.7	48.0	49.0	32.7	29.8	42.3	59.6	74.9
97.5°	59.8	71.1	87.2	90.3	85.5	63.8	61.1	56.9	77.4	94.5	119.3
100°	110.5	124.9	136.4	113.4	89.4	88.4	82.6	80.7	102.8	119.1	143.2
102.5°	172.8	177.2	137.2	124.1	118.6	114.5	105.7	104.5	126.6	149.1	169.3
105°	187.4	168.1	169.1	169.1	165.3	157.6	141.2	140.3	165.3	191.2	216.2
107.5°	220.4	223.3	228.3	227.1	222.7	202.2	182.9	178.5	201.0	232.1	259.6
110°	264.2	267.1	269.0	267.1	260.4	234.4	211.4	204.7	224.8	257.5	287.3



TEST NUMBER: P1427744

CATALOG NUMBER: SQ2W-F-K-075U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	306.5	308.6	312.8	307.1	295.7	266.0	239.8	230.0	250.2	283.6	314.2
115°	373.8	373.8	374.7	371.8	348.8	318.0	283.4	269.0	286.3	317.1	350.7
117.5°	439.9	441.0	437.2	429.5	402.8	367.0	328.2	305.2	318.8	351.3	385.9
120°	481.4	483.3	479.4	467.9	442.0	401.6	357.4	330.5	341.1	372.8	407.4
122.5°	524.4	524.0	519.4	506.3	475.8	433.9	390.5	357.4	361.8	391.2	425.1
125°	584.2	583.2	579.4	564.0	532.3	489.1	438.1	397.8	392.0	417.0	451.6
127.5°	641.0	638.9	633.0	614.3	581.9	540.2	484.2	438.5	425.6	441.4	473.1
130°	680.3	677.4	666.8	646.6	614.9	575.5	518.8	467.0	448.7	458.3	486.2
132.5°	717.9	709.7	700.6	678.9	649.5	608.6	551.1	496.9	471.8	476.0	497.7
135°	765.8	758.1	746.5	725.4	697.5	657.2	599.5	540.9	506.3	502.5	515.0
137.5°	807.8	799.8	786.7	768.5	740.4	704.5	649.1	587.2	543.6	530.7	535.6
140°	834.0	824.4	812.8	794.6	769.6	732.1	678.3	618.8	569.8	551.5	548.6
142.5°	855.5	848.2	835.9	819.2	797.3	759.8	707.5	648.7	596.7	573.0	566.3
145°	887.8	882.0	868.6	853.2	834.9	797.5	749.4	690.8	638.9	608.2	593.8
147.5°	915.1	910.5	899.9	881.8	866.5	830.5	786.7	734.8	681.6	643.5	624.9
150°	932.0	928.1	917.6	900.3	884.9	851.3	809.0	761.0	710.0	669.7	645.7
152.5°	948.1	944.3	932.2	914.9	901.8	870.5	832.1	786.3	734.6	694.3	669.5
155°	969.5	964.6	953.1	936.8	925.3	896.4	860.9	820.5	776.3	734.1	706.2
157.5°	986.4	980.4	969.6	955.6	943.3	916.8	885.9	851.1	812.5	772.1	743.7
160°	996.4	989.6	978.1	965.6	954.1	929.1	901.2	869.5	834.0	797.5	766.7
162.5°	1003.3	997.3	983.5	972.5	962.5	939.9	913.5	884.9	853.2	821.3	792.9
165°	1010.8	1004.0	989.6	981.0	972.3	953.1	930.1	907.0	880.1	854.2	831.1
167.5°	1011.3	1005.8	991.4	982.9	976.6	960.0	941.4	923.7	902.8	882.4	863.2
170°	1009.8	1005.0	990.6	982.9	978.1	964.6	948.3	932.9	916.6	899.3	883.9
172.5°	1004.4	999.6	986.0	979.8	977.3	965.4	952.2	940.6	926.6	913.9	901.6
175°	990.6	986.7	975.2	971.4	972.3	964.6	955.0	948.3	939.7	932.0	925.3
177.5°	970.4	968.1	959.7	959.7	962.7	958.1	955.0	952.0	948.1	945.8	943.5
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



TEST NUMBER: P1427744

CATALOG NUMBER: SQ2W-F-K-075U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6	1700.6
2.5°	1697.5	1694.7	1696.4	1697.9	1698.8	1699.6	1698.8	1697.9	1696.4	1694.7	1697.5
5°	1692.9	1689.1	1690.2	1692.3	1697.6	1703.0	1697.6	1692.3	1690.2	1689.1	1692.9
7.5°	1679.9	1676.5	1677.8	1680.2	1685.7	1691.2	1685.7	1680.2	1677.8	1676.5	1679.9
10°	1667.7	1664.5	1666.6	1669.3	1673.6	1677.8	1673.6	1669.3	1666.6	1664.5	1667.7
12.5°	1654.8	1651.6	1652.9	1655.0	1659.7	1664.4	1659.7	1655.0	1652.9	1651.6	1654.8
15°	1628.9	1625.9	1627.5	1629.8	1634.0	1638.3	1634.0	1629.8	1627.5	1625.9	1628.9
17.5°	1596.5	1593.9	1595.7	1598.0	1601.8	1605.5	1601.8	1598.0	1595.7	1593.9	1596.5
20°	1573.5	1570.3	1570.8	1572.2	1575.9	1579.6	1575.9	1572.2	1570.8	1570.3	1573.5
22.5°	1547.4	1543.6	1542.4	1542.7	1547.3	1551.8	1547.3	1542.7	1542.4	1543.6	1547.4
25°	1503.5	1499.8	1498.2	1497.9	1501.6	1505.4	1501.6	1497.9	1498.2	1499.8	1503.5
27.5°	1454.6	1451.7	1450.6	1450.5	1453.1	1455.8	1453.1	1450.5	1450.6	1451.7	1454.6
30°	1419.4	1416.2	1415.1	1415.0	1417.7	1420.3	1417.7	1415.0	1415.1	1416.2	1419.4
32.5°	1380.6	1377.4	1377.1	1377.8	1380.8	1383.9	1380.8	1377.8	1377.1	1377.4	1380.6
35°	1321.5	1318.8	1319.3	1320.4	1323.1	1325.7	1323.1	1320.4	1319.3	1318.8	1321.5
37.5°	1261.6	1258.8	1258.7	1259.2	1261.5	1263.7	1261.5	1259.2	1258.7	1258.8	1261.6
40°	1219.7	1216.5	1215.9	1216.2	1218.9	1221.5	1218.9	1216.2	1215.9	1216.5	1219.7
42.5°	1175.2	1172.8	1173.2	1173.7	1175.1	1176.5	1175.1	1173.7	1173.2	1172.8	1175.2
45°	1107.8	1105.4	1105.4	1105.6	1106.7	1107.8	1106.7	1105.6	1105.4	1105.4	1107.8
47.5°	1037.5	1035.4	1034.7	1034.7	1036.4	1038.1	1036.4	1034.7	1034.7	1035.4	1037.5
50°	988.7	986.3	985.2	984.9	987.1	989.2	987.1	984.9	985.2	986.3	988.7
52.5°	939.8	937.2	935.7	935.0	936.7	938.4	936.7	935.0	935.7	937.2	939.8
55°	865.1	862.4	860.3	858.9	860.0	861.1	860.0	858.9	860.3	862.4	865.1
57.5°	786.8	784.1	781.5	780.0	781.5	783.0	781.5	780.0	781.5	784.1	786.8
60°	733.3	730.7	728.5	727.2	728.3	729.3	728.3	727.2	728.5	730.7	733.3
62.5°	679.9	677.0	674.9	673.5	674.6	675.7	674.6	673.5	674.9	677.0	679.9
65°	599.2	596.5	594.4	592.9	593.5	594.0	593.5	592.9	594.4	596.5	599.2
67.5°	517.2	514.1	511.1	508.9	509.8	510.7	509.8	508.9	511.1	514.1	517.2
70°	462.4	459.7	457.1	455.1	455.1	455.1	455.1	455.1	457.1	459.7	462.4
72.5°	407.0	404.4	402.1	400.5	400.5	400.5	400.5	400.5	402.1	404.4	407.0
75°	325.3	323.2	320.6	318.4	317.9	317.4	317.9	318.4	320.6	323.2	325.3
77.5°	242.2	240.2	238.2	236.5	235.8	235.2	235.8	236.5	238.2	240.2	242.2
80°	191.2	189.6	188.0	186.6	185.5	184.4	185.5	186.6	188.0	189.6	191.2
82.5°	141.4	139.4	136.9	135.4	136.4	137.5	136.4	135.4	136.9	139.4	141.4
85°	72.7	70.8	68.7	66.9	66.4	65.9	66.4	66.9	68.7	70.8	72.7
87.5°	24.2	24.1	23.7	23.1	23.4	22.6	23.4	23.1	23.7	24.1	24.2
90°	22.1	28.8	35.5	39.4	43.2	41.3	43.2	39.4	35.5	28.8	22.1
92.5°	44.4	55.7	64.0	70.9	74.0	73.6	74.0	70.9	64.0	55.7	44.4
95°	89.4	102.8	116.3	125.9	131.6	129.7	131.6	125.9	116.3	102.8	89.4
97.5°	137.8	155.8	170.8	179.9	185.6	189.5	185.6	179.9	170.8	155.8	137.8
100°	170.1	187.4	204.7	215.2	224.8	228.7	224.8	215.2	204.7	187.4	170.1
102.5°	196.2	218.9	237.7	249.0	257.1	261.0	257.1	249.0	237.7	218.9	196.2
105°	239.2	263.3	283.4	297.8	306.5	309.4	306.5	297.8	283.4	263.3	239.2
107.5°	282.3	307.1	325.7	341.7	352.2	358.4	352.2	341.7	325.7	307.1	282.3
110°	316.1	336.3	356.5	370.9	381.4	385.3	381.4	370.9	356.5	336.3	316.1



TEST NUMBER: P1427744

CATALOG NUMBER: SQ2W-F-K-075U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	344.5	367.0	387.2	401.6	413.7	419.1	413.7	401.6	387.2	367.0	344.5
115°	384.3	414.1	432.4	445.8	454.5	459.3	454.5	445.8	432.4	414.1	384.3
117.5°	417.4	448.5	468.5	478.9	482.9	486.4	482.9	478.9	468.5	448.5	417.4
120°	438.1	467.0	490.0	503.5	508.3	510.2	508.3	490.0	467.0	438.1	
122.5°	457.3	484.6	506.9	523.4	531.3	533.2	531.3	523.4	506.9	484.6	457.3
125°	484.2	510.2	533.2	549.6	558.2	563.0	558.2	549.6	533.2	510.2	484.2
127.5°	507.7	535.7	556.9	571.7	580.1	584.0	580.1	571.7	556.9	535.7	507.7
130°	520.8	549.6	570.7	587.1	594.7	598.6	594.7	587.1	570.7	549.6	520.8
132.5°	530.7	561.1	583.0	597.8	606.3	610.1	606.3	597.8	583.0	561.1	530.7
135°	542.9	574.6	597.6	612.0	619.7	623.6	619.7	612.0	597.6	574.6	542.9
137.5°	553.4	582.2	606.3	621.4	628.4	630.9	628.4	621.4	606.3	582.2	553.4
140°	561.1	586.1	610.1	624.5	632.2	633.2	632.2	624.5	610.1	586.1	561.1
142.5°	571.1	590.7	611.6	626.1	633.7	635.5	633.7	626.1	611.6	590.7	571.1
145°	589.0	600.5	614.9	628.4	635.1	637.0	635.1	628.4	614.9	600.5	589.0
147.5°	611.5	615.1	622.6	631.4	638.0	639.3	638.0	631.4	622.6	615.1	611.5
150°	628.4	627.4	630.3	636.1	641.8	640.9	641.8	636.1	630.3	627.4	628.4
152.5°	647.6	642.0	641.8	644.5	647.2	647.0	647.2	644.5	641.8	642.0	647.6
155°	680.3	669.7	663.9	662.0	662.0	661.0	662.0	662.0	663.9	669.7	680.3
157.5°	716.2	701.4	692.7	688.1	686.8	684.7	686.8	688.1	692.7	701.4	716.2
160°	740.8	724.4	715.8	708.1	705.2	702.3	705.2	708.1	715.8	724.4	740.8
162.5°	763.8	748.3	738.9	731.9	729.1	724.6	729.1	731.9	738.9	748.3	763.8
165°	801.3	785.0	774.4	768.6	764.8	761.0	764.8	768.6	774.4	785.0	801.3
167.5°	838.8	820.9	814.0	807.5	803.8	796.9	803.8	807.5	814.0	820.9	838.8
170°	861.8	845.5	841.7	835.9	829.2	821.5	829.2	835.9	841.7	845.5	861.8
172.5°	881.8	870.9	867.0	861.3	859.2	853.0	859.2	861.3	867.0	870.9	881.8
175°	910.8	902.2	902.2	901.2	898.4	892.6	898.4	901.2	902.2	902.2	910.8
177.5°	935.1	930.4	933.5	933.5	932.8	927.4	932.8	933.5	933.5	930.4	935.1
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



TEST NUMBER: P1427744

CATALOG NUMBER: SQ2W-F-K-075U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1700.6	1700.6	1700.6	1700.6
2.5°	1704.7	1708.1	1700.0	1692.0
5°	1701.4	1705.1	1694.5	1683.8
7.5°	1688.0	1691.4	1680.8	1670.2
10°	1676.2	1679.9	1669.3	1658.7
12.5°	1662.5	1665.6	1654.9	1644.3
15°	1636.3	1639.2	1628.6	1617.9
17.5°	1603.4	1606.1	1596.1	1586.1
20°	1580.4	1583.2	1573.6	1564.0
22.5°	1553.9	1556.4	1546.8	1537.2
25°	1509.4	1511.4	1501.8	1492.2
27.5°	1459.5	1461.2	1453.2	1445.2
30°	1424.7	1426.7	1418.7	1410.8
32.5°	1386.7	1389.5	1381.9	1374.4
35°	1327.3	1330.1	1323.7	1317.3
37.5°	1267.0	1269.9	1265.0	1260.1
40°	1225.5	1228.6	1223.3	1217.9
42.5°	1180.2	1182.9	1178.9	1174.8
45°	1112.6	1115.2	1111.5	1107.8
47.5°	1041.3	1043.3	1040.5	1037.6
50°	992.4	994.3	990.5	986.8
52.5°	943.5	945.3	941.1	937.0
55°	868.3	869.4	864.7	859.9
57.5°	789.5	790.4	785.7	781.1
60°	736.5	737.8	733.6	729.3
62.5°	683.5	685.2	680.9	676.6
65°	602.4	603.8	600.1	596.4
67.5°	520.3	521.8	518.6	515.4
70°	465.1	466.3	463.1	459.9
72.5°	410.1	411.8	409.0	406.2
75°	326.9	327.7	326.1	324.5
77.5°	244.2	245.7	245.7	245.7
80°	192.8	194.0	194.0	194.0
82.5°	143.0	144.4	145.3	146.1
85°	74.3	75.7	76.8	77.8
87.5°	24.5	24.4	24.4	24.5
90°	17.3	10.6	6.7	2.9
92.5°	37.3	25.9	18.3	10.6
95°	74.9	59.6	42.3	29.8
97.5°	119.3	94.5	77.4	56.9
100°	143.2	119.1	102.8	80.7
102.5°	169.3	149.1	126.6	104.5
105°	216.2	191.2	165.3	140.3
107.5°	259.6	232.1	201.0	178.5
110°	287.3	257.5	224.8	204.7

TEST NUMBER: P1427744

CATALOG NUMBER: SQ2W-F-K-075U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	314.2	283.6	250.2	230.0
115°	350.7	317.1	286.3	269.0
117.5°	385.9	351.3	318.8	305.2
120°	407.4	372.8	341.1	330.5
122.5°	425.1	391.2	361.8	357.4
125°	451.6	417.0	392.0	397.8
127.5°	473.1	441.4	425.6	438.5
130°	486.2	458.3	448.7	467.0
132.5°	497.7	476.0	471.8	496.9
135°	515.0	502.5	506.3	540.9
137.5°	535.6	530.7	543.6	587.2
140°	548.6	551.5	569.8	618.8
142.5°	566.3	573.0	596.7	648.7
145°	593.8	608.2	638.9	690.8
147.5°	624.9	643.5	681.6	734.8
150°	645.7	669.7	710.0	761.0
152.5°	669.5	694.3	734.6	786.3
155°	706.2	734.1	776.3	820.5
157.5°	743.7	772.1	812.5	851.1
160°	766.7	797.5	834.0	869.5
162.5°	792.9	821.3	853.2	884.9
165°	831.1	854.2	880.1	907.0
167.5°	863.2	882.4	902.8	923.7
170°	883.9	899.3	916.6	932.9
172.5°	901.6	913.9	926.6	940.6
175°	925.3	932.0	939.7	948.3
177.5°	943.5	945.8	948.1	952.0
180°	951.2	951.2	951.2	951.2



TEST NUMBER: P1427744

CATALOG NUMBER: SQ2W-F-K-075U-125D-L930-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	20.51	21.52	21.34	22.38	23.44	20.43	21.44	21.26	22.29	23.36
	3H	22.31	23.22	23.16	24.09	25.18	22.21	23.12	23.05	23.98	25.08
	4H	23.01	23.87	23.87	24.74	25.85	22.90	23.76	23.76	24.63	25.73
	6H	23.46	24.25	24.33	25.13	26.25	23.32	24.11	24.19	24.99	26.11
	8H	23.62	24.38	24.50	25.28	26.39	23.47	24.22	24.35	25.12	26.24
	12H	23.71	24.43	24.60	25.32	26.47	23.54	24.26	24.42	25.15	26.29
4H	2H	21.11	21.97	21.97	22.84	23.94	21.04	21.90	21.91	22.77	23.88
	3H	23.14	23.86	24.02	24.77	25.89	23.05	23.77	23.93	24.67	25.79
	4H	23.96	24.62	24.85	25.52	26.66	23.85	24.51	24.74	25.41	26.55
	6H	24.52	25.09	25.43	26.02	27.16	24.38	24.95	25.29	25.88	27.02
	8H	24.74	25.27	25.65	26.19	27.35	24.58	25.11	25.49	26.03	27.19
	12H	24.86	25.34	25.79	26.28	27.45	24.68	25.16	25.60	26.09	27.26
8H	4H	24.22	24.75	25.13	25.67	26.83	24.12	24.65	25.03	25.57	26.73
	6H	24.92	25.35	25.85	26.32	27.48	24.78	25.22	25.72	26.18	27.35
	8H	25.22	25.61	26.17	26.56	27.74	25.07	25.46	26.01	26.41	27.59
	12H	25.41	25.75	26.36	26.70	27.93	25.22	25.56	26.17	26.51	27.74
12H	4H	24.22	24.70	25.15	25.64	26.80	24.13	24.61	25.06	25.54	26.71
	6H	24.97	25.36	25.91	26.31	27.49	24.84	25.23	25.79	26.18	27.36
	8H	25.31	25.65	26.26	26.60	27.82	25.16	25.50	26.10	26.45	27.67