

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: P1428402

Luminaire Tested: SQ2W-PW1-K-075U-075D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428402  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-PW1-K-075U-075D-L835-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE WAVES LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 750 LUMENS PER FOOT  
UPLIGHT 750 LUMENS PER FOOT  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

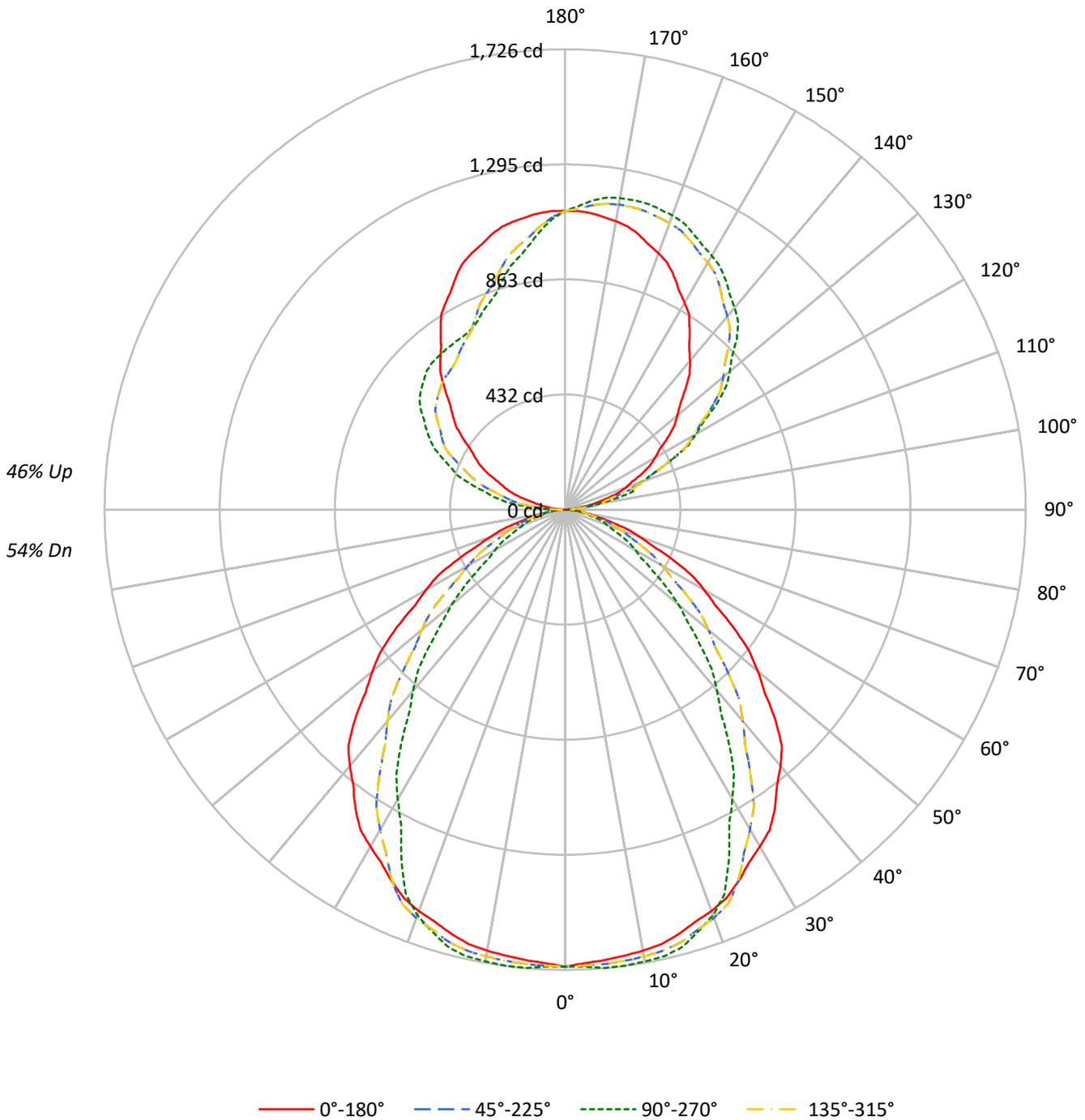
Lumens per Lamp: N/A  
Luminaire Lumens: 7076.0 lumens  
Efficiency: N/A  
Efficacy: 140.7 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 50.3  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

TEST NUMBER: P1428402

CATALOG NUMBER: SQ2W-PW1-K-075U-075D-L835-UNV-STD-W-WM-4

### 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	85	85	85	72	72	72	60	60	60	54	54	54	54	
1	99	95	91	88	92	88	85	82	76	74	71	64	63	61	54	53	52	47	47	47	47	
2	91	84	78	73	84	78	73	69	67	63	60	57	54	52	48	46	44	40	40	40	40	
3	83	74	67	62	77	69	63	58	60	55	51	51	48	45	43	41	38	35	35	35	35	
4	76	66	58	53	71	62	55	50	54	48	44	46	42	39	39	36	34	30	30	30	30	
5	70	59	51	45	65	55	48	43	48	43	39	42	37	34	35	32	30	27	27	27	27	
6	65	53	45	40	60	50	43	38	44	38	34	38	33	30	32	29	26	24	24	24	24	
7	60	48	41	35	56	45	38	33	40	34	30	34	30	27	30	26	24	21	21	21	21	
8	56	44	36	31	52	41	35	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	46	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°	27675	27675	27675	27675
5°	27491	27967	27491	27967
10°	27541	28210	27541	28210
15°	27533	28379	27533	28379
20°	27544	27826	27544	27826
25°	27395	25854	27395	25854
30°	27210	23375	27210	23375
35°	26997	21108	26997	21108
40°	26459	18649	26459	18649
45°	25423	16289	25423	16289
50°	23661	13943	23661	13943
55°	21644	11305	21644	11305
60°	19400	9752	19400	9752
65°	16962	8668	16962	8668
70°	13874	7860	13874	7860
75°	10792	7230	10792	7230
80°	8043	6378	8043	6378
85°	5446	3631	5446	3631

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 25423 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	163.2	2.3
10°-20°	472.9	6.7
20°-30°	696.0	9.8
30°-40°	761.0	10.8
40°-50°	682.7	9.6
50°-60°	509.2	7.2
60°-70°	321.8	4.5
70°-80°	159.5	2.3
80°-90°	42.0	0.6
90°-100°	89.1	1.3
100°-110°	259.7	3.7
110°-120°	423.9	6.0
120°-130°	537.9	7.6
130°-140°	575.6	8.1
140°-150°	537.5	7.6
150°-160°	442.3	6.3
160°-170°	296.6	4.2
170°-180°	105.3	1.5
0°-30°	1332.1	18.8
0°-40°	2093.1	29.6
0°-60°	3285.0	46.4
0°-90°	3808.2	53.8
90°-120°	772.7	10.9
90°-150°	2423.6	34.3
90°-180°	3268.0	46.2
0°-180°	7076.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1714	1714	1714	1714	1714	
5°	1696	1726	1696	1726	1696	161
15°	1647	1698	1647	1698	1647	465
25°	1538	1451	1538	1451	1538	708
35°	1370	1071	1370	1071	1370	854
45°	1113	713	1113	713	1113	854
55°	769	402	769	402	769	687
65°	444	227	444	227	444	440
75°	173	116	173	116	173	191
85°	29	20	29	20	29	37
90°	3	25	3	49	3	4
95°	35	26	35	153	35	42
105°	165	264	165	364	165	176
115°	316	439	316	540	316	312
125°	468	695	468	662	468	419
135°	636	910	636	734	636	492
145°	813	1049	813	750	813	509
155°	965	1140	965	778	965	444
165°	1067	1188	1067	895	1067	300
175°	1116	1163	1116	1050	1116	106
180°	1119	1119	1119	1119	1119	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1
2.5°	1702.4	1712.3	1722.1	1719.8	1713.4	1710.5	1711.1	1712.0	1713.7	1715.5	1713.7
5°	1696.2	1708.5	1720.9	1719.0	1712.5	1709.6	1710.3	1712.5	1719.0	1725.6	1719.0
7.5°	1687.7	1700.2	1712.7	1712.1	1707.1	1705.9	1708.4	1711.8	1718.2	1724.6	1718.2
10°	1679.9	1692.9	1706.0	1706.0	1701.6	1701.3	1704.9	1709.1	1714.9	1720.7	1714.9
12.5°	1669.4	1683.1	1696.7	1697.7	1694.5	1695.0	1699.2	1703.8	1709.6	1715.5	1709.6
15°	1647.2	1661.7	1676.2	1679.3	1678.6	1680.8	1685.8	1690.6	1694.2	1697.8	1694.2
17.5°	1621.4	1635.9	1650.4	1653.3	1652.3	1652.4	1653.7	1655.2	1656.9	1658.6	1656.9
20°	1603.1	1617.6	1632.2	1634.2	1632.0	1628.3	1623.3	1619.5	1619.5	1619.5	1619.5
22.5°	1577.0	1592.7	1608.4	1608.5	1603.4	1594.0	1580.2	1568.7	1564.0	1559.4	1564.0
25°	1537.8	1553.1	1568.3	1561.2	1546.7	1525.3	1497.0	1473.1	1462.2	1451.3	1462.2
27.5°	1492.1	1504.5	1516.8	1498.3	1469.6	1435.1	1394.9	1361.0	1345.9	1330.8	1345.9
30°	1459.5	1468.9	1478.3	1449.1	1407.1	1363.9	1319.6	1282.8	1268.3	1253.8	1268.3
32.5°	1425.5	1429.1	1432.8	1394.3	1341.8	1292.5	1246.5	1208.1	1192.4	1176.7	1192.4
35°	1369.7	1363.2	1356.6	1305.5	1239.4	1183.2	1136.8	1098.5	1084.7	1070.9	1084.7
37.5°	1303.7	1284.3	1264.8	1207.2	1136.8	1077.3	1028.7	988.4	973.2	958.0	973.2
40°	1255.4	1227.8	1200.3	1138.4	1065.1	1004.2	955.6	915.3	900.1	884.8	900.1
42.5°	1201.9	1167.3	1132.8	1069.2	995.9	935.0	886.3	845.9	830.1	814.3	830.1
45°	1113.4	1072.7	1032.1	965.9	891.2	830.2	783.1	743.9	728.6	713.4	728.6
47.5°	1013.8	973.5	933.1	867.1	792.5	732.3	686.6	649.1	636.0	623.0	636.0
50°	942.0	902.8	863.6	800.5	729.4	671.0	625.3	587.0	571.0	555.1	571.0
52.5°	868.8	833.7	798.6	737.8	668.4	610.3	563.4	522.8	501.1	479.3	501.1
55°	768.9	735.5	702.2	644.8	579.5	520.8	468.5	426.3	413.9	401.6	413.9
57.5°	666.1	637.2	608.3	556.8	497.7	444.5	397.0	358.9	348.7	338.6	348.7
60°	600.8	575.4	550.0	500.6	443.3	394.7	354.8	322.3	312.2	302.0	312.2
62.5°	538.1	515.6	493.1	445.8	390.2	346.5	314.7	288.8	280.4	272.0	280.4
65°	444.0	427.4	410.7	371.7	325.2	289.0	262.8	241.4	234.2	226.9	234.2
67.5°	352.6	343.3	334.0	304.8	269.0	239.6	216.7	198.3	193.5	188.7	193.5
70°	293.9	291.0	288.0	263.9	232.7	207.7	188.8	173.8	170.1	166.5	170.1
72.5°	242.9	244.1	245.2	225.2	198.0	177.1	162.3	150.6	148.1	145.6	148.1
75°	173.0	178.9	184.7	171.4	151.8	137.0	126.8	118.8	117.4	115.9	117.4
77.5°	117.9	126.6	135.3	126.7	112.3	101.4	93.8	87.9	86.7	85.5	86.7
80°	86.5	95.2	103.9	98.0	87.1	78.7	72.9	68.6	68.6	68.6	68.6
82.5°	60.4	67.4	74.3	70.1	62.1	56.7	53.8	51.6	51.6	51.6	51.6
85°	29.4	33.0	36.6	35.4	32.5	28.8	24.5	21.0	20.3	19.6	20.3
87.5°	8.5	11.2	14.0	13.2	11.0	9.5	8.9	8.7	8.9	8.9	8.9
90°	3.4	7.9	13.6	18.1	21.5	22.6	22.6	23.7	24.9	24.9	24.9
92.5°	12.4	19.7	19.9	19.9	24.2	26.2	28.0	28.3	29.4	29.4	29.4
95°	35.0	38.4	57.7	56.5	38.4	30.5	26.0	26.0	26.0	26.0	26.0
97.5°	66.9	71.9	75.1	100.6	106.3	102.6	83.7	70.3	62.9	59.5	62.9
100°	95.0	97.2	104.0	105.1	133.4	160.5	147.0	130.0	124.4	121.0	124.4
102.5°	123.0	124.4	134.8	139.5	146.1	161.4	208.5	203.3	199.4	198.7	199.4
105°	165.1	166.2	185.4	194.4	199.0	199.0	197.8	220.4	256.6	264.5	256.6
107.5°	210.0	215.2	237.9	262.0	267.2	268.6	262.7	259.3	258.0	258.9	258.0
110°	240.8	248.7	275.8	306.4	314.3	316.5	314.3	310.9	308.6	308.6	308.6

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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	270.6	282.2	312.9	348.0	361.3	368.1	363.1	360.6	358.4	360.2	358.4
115°	316.5	333.5	374.2	410.4	437.5	440.9	439.8	439.8	438.6	438.6	438.6
117.5°	359.0	386.2	431.8	473.9	505.3	514.4	518.9	517.5	516.2	518.4	516.2
120°	388.9	420.5	472.5	520.0	550.6	564.1	568.6	566.4	568.6	566.4	568.6
122.5°	420.5	459.4	510.5	559.8	595.8	611.1	616.6	617.0	617.5	616.1	617.5
125°	468.0	515.5	575.4	626.3	663.6	681.7	686.2	687.3	689.6	695.3	689.6
127.5°	516.0	569.8	635.6	684.6	722.8	744.8	751.8	754.3	759.0	761.5	759.0
130°	549.4	610.5	677.2	723.5	760.8	784.6	797.0	800.4	806.0	804.9	806.0
132.5°	584.7	648.5	716.1	764.2	798.8	824.4	835.0	844.7	846.7	848.3	846.7
135°	636.5	705.4	773.3	820.7	853.5	878.4	892.0	901.0	906.7	910.0	906.7
137.5°	691.0	763.8	828.9	871.2	904.2	925.7	941.0	950.5	956.4	959.1	956.4
140°	728.0	798.1	861.4	905.5	934.9	956.4	970.0	981.3	988.1	988.1	988.1
142.5°	763.3	832.5	894.0	938.1	963.9	983.5	998.0	1006.6	1014.3	1014.3	1014.3
145°	812.8	881.8	938.3	982.4	1003.9	1022.0	1037.8	1044.6	1049.1	1049.1	1049.1
147.5°	864.6	925.7	977.2	1019.5	1037.6	1058.8	1071.3	1076.7	1082.3	1079.9	1082.3
150°	895.4	951.9	1001.6	1041.2	1059.3	1079.6	1092.1	1096.6	1102.2	1098.8	1102.2
152.5°	925.2	979.0	1024.2	1061.1	1076.5	1096.8	1111.1	1115.6	1119.4	1116.9	1119.4
155°	965.4	1012.9	1054.8	1088.7	1102.2	1121.5	1135.0	1140.7	1145.2	1139.5	1145.2
157.5°	1001.4	1042.3	1078.7	1109.9	1124.4	1140.9	1153.6	1160.6	1165.1	1162.6	1165.1
160°	1023.1	1060.4	1093.2	1122.6	1136.1	1150.8	1164.4	1172.3	1176.8	1173.5	1176.8
162.5°	1041.2	1074.9	1105.9	1132.5	1144.3	1157.2	1173.5	1180.5	1185.0	1180.7	1185.0
165°	1067.2	1094.3	1121.5	1144.1	1154.2	1164.4	1181.4	1189.3	1192.7	1188.2	1192.7
167.5°	1086.9	1107.7	1129.6	1149.0	1156.5	1166.4	1183.4	1190.0	1194.3	1188.6	1194.3
170°	1097.7	1115.8	1135.0	1150.8	1156.5	1165.5	1182.5	1188.2	1191.5	1185.9	1191.5
172.5°	1106.8	1120.3	1135.9	1149.9	1152.9	1160.1	1176.2	1181.8	1184.3	1179.6	1184.3
175°	1115.8	1123.7	1135.0	1144.1	1142.9	1147.5	1161.0	1165.5	1170.1	1163.3	1170.1
177.5°	1120.1	1123.7	1127.3	1132.8	1129.1	1129.1	1139.1	1141.8	1142.7	1139.1	1142.7
180°	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1
2.5°	1712.0	1711.1	1710.5	1713.4	1719.8	1722.1	1712.3	1702.4	1712.3	1722.1	1719.8
5°	1712.5	1710.3	1709.6	1712.5	1719.0	1720.9	1708.5	1696.2	1708.5	1720.9	1719.0
7.5°	1711.8	1708.4	1705.9	1707.1	1712.1	1712.7	1700.2	1687.7	1700.2	1712.7	1712.1
10°	1709.1	1704.9	1701.3	1701.6	1706.0	1706.0	1692.9	1679.9	1692.9	1706.0	1706.0
12.5°	1703.8	1699.2	1695.0	1694.5	1697.7	1696.7	1683.1	1669.4	1683.1	1696.7	1697.7
15°	1690.6	1685.8	1680.8	1678.6	1679.3	1676.2	1661.7	1647.2	1661.7	1676.2	1679.3
17.5°	1655.2	1653.7	1652.4	1652.3	1653.3	1650.4	1635.9	1621.4	1635.9	1650.4	1653.3
20°	1619.5	1623.3	1628.3	1632.0	1634.2	1632.2	1617.6	1603.1	1617.6	1632.2	1634.2
22.5°	1568.7	1580.2	1594.0	1603.4	1608.5	1608.4	1592.7	1577.0	1592.7	1608.4	1608.5
25°	1473.1	1497.0	1525.3	1546.7	1561.2	1568.3	1553.1	1537.8	1553.1	1568.3	1561.2
27.5°	1361.0	1394.9	1435.1	1469.6	1498.3	1516.8	1504.5	1492.1	1504.5	1516.8	1498.3
30°	1282.8	1319.6	1363.9	1407.1	1449.1	1478.3	1468.9	1459.5	1468.9	1478.3	1449.1
32.5°	1208.1	1246.5	1292.5	1341.8	1394.3	1432.8	1429.1	1425.5	1429.1	1432.8	1394.3
35°	1098.5	1136.8	1183.2	1239.4	1305.5	1356.6	1363.2	1369.7	1363.2	1356.6	1305.5
37.5°	988.4	1028.7	1077.3	1136.8	1207.2	1264.8	1284.3	1303.7	1284.3	1264.8	1207.2
40°	915.3	955.6	1004.2	1065.1	1138.4	1200.3	1227.8	1255.4	1227.8	1200.3	1138.4
42.5°	845.9	886.3	935.0	995.9	1069.2	1132.8	1167.3	1201.9	1167.3	1132.8	1069.2
45°	743.9	783.1	830.2	891.2	965.9	1032.1	1072.7	1113.4	1072.7	1032.1	965.9
47.5°	649.1	686.6	732.3	792.5	867.1	933.1	973.5	1013.8	973.5	933.1	867.1
50°	587.0	625.3	671.0	729.4	800.5	863.6	902.8	942.0	902.8	863.6	800.5
52.5°	522.8	563.4	610.3	668.4	737.8	798.6	833.7	868.8	833.7	798.6	737.8
55°	426.3	468.5	520.8	579.5	644.8	702.2	735.5	768.9	735.5	702.2	644.8
57.5°	358.9	397.0	444.5	497.7	556.8	608.3	637.2	666.1	637.2	608.3	556.8
60°	322.3	354.8	394.7	443.3	500.6	550.0	575.4	600.8	575.4	550.0	500.6
62.5°	288.8	314.7	346.5	390.2	445.8	493.1	515.6	538.1	515.6	493.1	445.8
65°	241.4	262.8	289.0	325.2	371.7	410.7	427.4	444.0	427.4	410.7	371.7
67.5°	198.3	216.7	239.6	269.0	304.8	334.0	343.3	352.6	343.3	334.0	304.8
70°	173.8	188.8	207.7	232.7	263.9	288.0	291.0	293.9	291.0	288.0	263.9
72.5°	150.6	162.3	177.1	198.0	225.2	245.2	244.1	242.9	244.1	245.2	225.2
75°	118.8	126.8	137.0	151.8	171.4	184.7	178.9	173.0	178.9	184.7	171.4
77.5°	87.9	93.8	101.4	112.3	126.7	135.3	126.6	117.9	126.6	135.3	126.7
80°	68.6	72.9	78.7	87.1	98.0	103.9	95.2	86.5	95.2	103.9	98.0
82.5°	51.6	53.8	56.7	62.1	70.1	74.3	67.4	60.4	67.4	74.3	70.1
85°	21.0	24.5	28.8	32.5	35.4	36.6	33.0	29.4	33.0	36.6	35.4
87.5°	8.7	8.9	9.5	11.0	13.2	14.0	11.2	8.5	11.2	13.8	13.6
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°	28.3	28.0	26.2	24.2	19.9	19.9	19.7	12.4	21.5	30.5	43.9
95°	26.0	26.0	30.5	38.4	56.5	57.7	38.4	35.0	49.7	70.1	88.2
97.5°	70.3	83.7	102.6	106.3	100.6	75.1	71.9	66.9	91.1	111.2	140.4
100°	130.0	147.0	160.5	133.4	105.1	104.0	97.2	95.0	121.0	140.2	168.4
102.5°	203.3	208.5	161.4	146.1	139.5	134.8	124.4	123.0	149.0	175.5	199.2
105°	220.4	197.8	199.0	199.0	194.4	185.4	166.2	165.1	194.4	225.0	254.4
107.5°	259.3	262.7	268.6	267.2	262.0	237.9	215.2	210.0	236.5	273.1	305.5
110°	310.9	314.3	316.5	314.3	306.4	275.8	248.7	240.8	264.5	303.0	338.0



TEST NUMBER: P1428402

CATALOG NUMBER: SQ2W-PW1-K-075U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	360.6	363.1	368.1	361.3	348.0	312.9	282.2	270.6	294.4	333.7	369.7
115°	439.8	439.8	440.9	437.5	410.4	374.2	333.5	316.5	336.9	373.1	412.6
117.5°	517.5	518.9	514.4	505.3	473.9	431.8	386.2	359.0	375.1	413.3	454.0
120°	566.4	568.6	564.1	550.6	520.0	472.5	420.5	388.9	401.3	438.6	479.3
122.5°	617.0	616.6	611.1	595.8	559.8	510.5	459.4	420.5	425.7	460.3	500.1
125°	687.3	686.2	681.7	663.6	626.3	575.4	515.5	468.0	461.2	490.6	531.3
127.5°	754.3	751.8	744.8	722.8	684.6	635.6	569.8	516.0	500.8	519.4	556.7
130°	800.4	797.0	784.6	760.8	723.5	677.2	610.5	549.4	527.9	539.2	572.0
132.5°	844.7	835.0	824.4	798.8	764.2	716.1	648.5	584.7	555.1	560.0	585.6
135°	901.0	892.0	878.4	853.5	820.7	773.3	705.4	636.5	595.8	591.2	605.9
137.5°	950.5	941.0	925.7	904.2	871.2	828.9	763.8	691.0	639.6	624.5	630.1
140°	981.3	970.0	956.4	934.9	905.5	861.4	798.1	728.0	670.4	648.9	645.5
142.5°	1006.6	998.0	983.5	963.9	938.1	894.0	832.5	763.3	702.0	674.2	666.3
145°	1044.6	1037.8	1022.0	1003.9	982.4	938.3	881.8	812.8	751.8	715.6	698.6
147.5°	1076.7	1071.3	1058.8	1037.6	1019.5	977.2	925.7	864.6	802.0	757.2	735.3
150°	1096.6	1092.1	1079.6	1059.3	1041.2	1001.6	951.9	895.4	835.4	788.0	759.7
152.5°	1115.6	1111.1	1096.8	1076.5	1061.1	1024.2	979.0	925.2	864.4	816.9	787.7
155°	1140.7	1135.0	1121.5	1102.2	1088.7	1054.8	1012.9	965.4	913.4	863.7	830.9
157.5°	1160.6	1153.6	1140.9	1124.4	1109.9	1078.7	1042.3	1001.4	955.9	908.5	875.0
160°	1172.3	1164.4	1150.8	1136.1	1122.6	1093.2	1060.4	1023.1	981.3	938.3	902.1
162.5°	1180.5	1173.5	1157.2	1144.3	1132.5	1105.9	1074.9	1041.2	1003.9	966.3	932.9
165°	1189.3	1181.4	1164.4	1154.2	1144.1	1121.5	1094.3	1067.2	1035.5	1005.0	977.9
167.5°	1190.0	1183.4	1166.4	1156.5	1149.0	1129.6	1107.7	1086.9	1062.2	1038.2	1015.6
170°	1188.2	1182.5	1165.5	1156.5	1150.8	1135.0	1115.8	1097.7	1078.5	1058.1	1040.1
172.5°	1181.8	1176.2	1160.1	1152.9	1149.9	1135.9	1120.3	1106.8	1090.3	1075.3	1060.9
175°	1165.5	1161.0	1147.5	1142.9	1144.1	1135.0	1123.7	1115.8	1105.6	1096.6	1088.7
177.5°	1141.8	1139.1	1129.1	1129.1	1132.8	1127.3	1123.7	1120.1	1115.6	1112.9	1110.1
180°	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2



TEST NUMBER: P1428402

CATALOG NUMBER: SQ2W-PW1-K-075U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1	1714.1
2.5°	1713.4	1710.5	1711.1	1712.0	1713.7	1715.5	1713.7	1712.0	1711.1	1710.5	1713.4
5°	1712.5	1709.6	1710.3	1712.5	1719.0	1725.6	1719.0	1712.5	1710.3	1709.6	1712.5
7.5°	1707.1	1705.9	1708.4	1711.8	1718.2	1724.6	1718.2	1711.8	1708.4	1705.9	1707.1
10°	1701.6	1701.3	1704.9	1709.1	1714.9	1720.7	1714.9	1709.1	1704.9	1701.3	1701.6
12.5°	1694.5	1695.0	1699.2	1703.8	1709.6	1715.5	1709.6	1703.8	1699.2	1695.0	1694.5
15°	1678.6	1680.8	1685.8	1690.6	1694.2	1697.8	1694.2	1690.6	1685.8	1680.8	1678.6
17.5°	1652.3	1652.4	1653.7	1655.2	1656.9	1658.6	1656.9	1655.2	1653.7	1652.4	1652.3
20°	1632.0	1628.3	1623.3	1619.5	1619.5	1619.5	1619.5	1619.5	1623.3	1628.3	1632.0
22.5°	1603.4	1594.0	1580.2	1568.7	1564.0	1559.4	1564.0	1568.7	1580.2	1594.0	1603.4
25°	1546.7	1525.3	1497.0	1473.1	1462.2	1451.3	1462.2	1473.1	1497.0	1525.3	1546.7
27.5°	1469.6	1435.1	1394.9	1361.0	1345.9	1330.8	1345.9	1361.0	1394.9	1435.1	1469.6
30°	1407.1	1363.9	1319.6	1282.8	1268.3	1253.8	1268.3	1282.8	1319.6	1363.9	1407.1
32.5°	1341.8	1292.5	1246.5	1208.1	1192.4	1176.7	1192.4	1208.1	1246.5	1292.5	1341.8
35°	1239.4	1183.2	1136.8	1098.5	1084.7	1070.9	1084.7	1098.5	1136.8	1183.2	1239.4
37.5°	1136.8	1077.3	1028.7	988.4	973.2	958.0	973.2	988.4	1028.7	1077.3	1136.8
40°	1065.1	1004.2	955.6	915.3	900.1	884.8	900.1	915.3	955.6	1004.2	1065.1
42.5°	995.9	935.0	886.3	845.9	830.1	814.3	830.1	845.9	886.3	935.0	995.9
45°	891.2	830.2	783.1	743.9	728.6	713.4	728.6	743.9	783.1	830.2	891.2
47.5°	792.5	732.3	686.6	649.1	636.0	623.0	636.0	649.1	686.6	732.3	792.5
50°	729.4	671.0	625.3	587.0	571.0	555.1	571.0	587.0	625.3	671.0	729.4
52.5°	668.4	610.3	563.4	522.8	501.1	479.3	501.1	522.8	563.4	610.3	668.4
55°	579.5	520.8	468.5	426.3	413.9	401.6	413.9	426.3	468.5	520.8	579.5
57.5°	497.7	444.5	397.0	358.9	348.7	338.6	348.7	358.9	397.0	444.5	497.7
60°	443.3	394.7	354.8	322.3	312.2	302.0	312.2	322.3	354.8	394.7	443.3
62.5°	390.2	346.5	314.7	288.8	280.4	272.0	280.4	288.8	314.7	346.5	390.2
65°	325.2	289.0	262.8	241.4	234.2	226.9	234.2	241.4	262.8	289.0	325.2
67.5°	269.0	239.6	216.7	198.3	193.5	188.7	193.5	198.3	216.7	239.6	269.0
70°	232.7	207.7	188.8	173.8	170.1	166.5	170.1	173.8	188.8	207.7	232.7
72.5°	198.0	177.1	162.3	150.6	148.1	145.6	148.1	150.6	162.3	177.1	198.0
75°	151.8	137.0	126.8	118.8	117.4	115.9	117.4	118.8	126.8	137.0	151.8
77.5°	112.3	101.4	93.8	87.9	86.7	85.5	86.7	87.9	93.8	101.4	112.3
80°	87.1	78.7	72.9	68.6	68.6	68.6	68.6	68.6	72.9	78.7	87.1
82.5°	62.1	56.7	53.8	51.6	51.6	51.6	51.6	51.6	53.8	56.7	62.1
85°	32.5	28.8	24.5	21.0	20.3	19.6	20.3	21.0	24.5	28.8	32.5
87.5°	11.9	11.7	12.7	13.2	14.1	13.6	14.1	13.2	12.7	11.7	11.9
90°	26.0	33.9	41.8	46.4	50.9	48.6	50.9	46.4	41.8	33.9	26.0
92.5°	52.2	65.6	75.3	83.4	87.0	86.6	87.0	83.4	75.3	65.6	52.2
95°	105.1	121.0	136.8	148.1	154.9	152.6	154.9	148.1	136.8	121.0	105.1
97.5°	162.1	183.4	201.0	211.6	218.4	222.9	218.4	211.6	201.0	183.4	162.1
100°	200.1	220.4	240.8	253.2	264.5	269.1	264.5	253.2	240.8	220.4	200.1
102.5°	230.8	257.5	279.7	293.0	302.5	307.0	302.5	293.0	279.7	257.5	230.8
105°	281.5	309.8	333.5	350.5	360.6	364.0	360.6	350.5	333.5	309.8	281.5
107.5°	332.1	361.3	383.2	402.0	414.4	421.7	414.4	402.0	383.2	361.3	332.1
110°	371.9	395.7	419.4	436.4	448.8	453.3	448.8	436.4	419.4	395.7	371.9



TEST NUMBER: P1428402

CATALOG NUMBER: SQ2W-PW1-K-075U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	405.4	431.8	455.6	472.5	486.8	493.1	486.8	472.5	455.6	431.8	405.4
115°	452.2	487.2	508.7	524.6	534.7	540.4	534.7	524.6	508.7	487.2	452.2
117.5°	491.1	527.7	551.2	563.4	568.2	572.3	568.2	563.4	551.2	527.7	491.1
120°	515.5	549.4	576.6	592.4	598.0	600.3	598.0	592.4	576.6	549.4	515.5
122.5°	538.1	570.2	596.5	615.9	625.2	627.4	625.2	615.9	596.5	570.2	538.1
125°	569.8	600.3	627.4	646.6	656.8	662.5	656.8	646.6	627.4	600.3	569.8
127.5°	597.4	630.4	655.2	672.6	682.6	687.1	682.6	672.6	655.2	630.4	597.4
130°	612.7	646.6	671.5	690.7	699.8	704.3	699.8	690.7	671.5	646.6	612.7
132.5°	624.5	660.2	686.0	703.4	713.3	717.9	713.3	703.4	686.0	660.2	624.5
135°	638.7	676.0	703.2	720.1	729.2	733.7	729.2	720.1	703.2	676.0	638.7
137.5°	651.2	685.1	713.3	731.2	739.3	742.3	739.3	731.2	713.3	685.1	651.2
140°	660.2	689.6	717.9	734.8	743.9	745.0	743.9	734.8	717.9	689.6	660.2
142.5°	672.0	695.0	719.7	736.6	745.7	747.7	745.7	736.6	719.7	695.0	672.0
145°	693.0	706.6	723.5	739.3	747.3	749.5	747.3	739.3	723.5	706.6	693.0
147.5°	719.4	723.7	732.6	743.0	750.6	752.2	750.6	743.0	732.6	723.7	719.4
150°	739.3	738.2	741.6	748.4	755.2	754.0	755.2	748.4	741.6	738.2	739.3
152.5°	762.0	755.4	755.2	758.3	761.5	761.3	761.5	758.3	755.2	755.4	762.0
155°	800.4	788.0	781.2	778.9	778.9	777.8	778.9	778.9	781.2	788.0	800.4
157.5°	842.7	825.3	815.1	809.7	808.1	805.6	808.1	809.7	815.1	825.3	842.7
160°	871.6	852.4	842.2	833.2	829.8	826.4	829.8	833.2	842.2	852.4	871.6
162.5°	898.7	880.4	869.4	861.2	857.8	852.6	857.8	861.2	869.4	880.4	898.7
165°	942.8	923.6	911.2	904.4	899.9	895.4	899.9	904.4	911.2	923.6	942.8
167.5°	986.9	965.9	957.8	950.1	945.8	937.6	945.8	950.1	957.8	965.9	986.9
170°	1014.1	994.8	990.3	983.5	975.6	966.6	975.6	983.5	990.3	994.8	1014.1
172.5°	1037.6	1024.7	1020.2	1013.4	1010.9	1003.7	1010.9	1013.4	1020.2	1024.7	1037.6
175°	1071.7	1061.5	1061.5	1060.4	1057.0	1050.2	1057.0	1060.4	1061.5	1061.5	1071.7
177.5°	1100.2	1094.8	1098.4	1098.4	1097.5	1091.2	1097.5	1098.4	1098.4	1094.8	1100.2
180°	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2



TEST NUMBER: P1428402

CATALOG NUMBER: SQ2W-PW1-K-075U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1714.1	1714.1	1714.1	1714.1
2.5°	1719.8	1722.1	1712.3	1702.4
5°	1719.0	1720.9	1708.5	1696.2
7.5°	1712.1	1712.7	1700.2	1687.7
10°	1706.0	1706.0	1692.9	1679.9
12.5°	1697.7	1696.7	1683.1	1669.4
15°	1679.3	1676.2	1661.7	1647.2
17.5°	1653.3	1650.4	1635.9	1621.4
20°	1634.2	1632.2	1617.6	1603.1
22.5°	1608.5	1608.4	1592.7	1577.0
25°	1561.2	1568.3	1553.1	1537.8
27.5°	1498.3	1516.8	1504.5	1492.1
30°	1449.1	1478.3	1468.9	1459.5
32.5°	1394.3	1432.8	1429.1	1425.5
35°	1305.5	1356.6	1363.2	1369.7
37.5°	1207.2	1264.8	1284.3	1303.7
40°	1138.4	1200.3	1227.8	1255.4
42.5°	1069.2	1132.8	1167.3	1201.9
45°	965.9	1032.1	1072.7	1113.4
47.5°	867.1	933.1	973.5	1013.8
50°	800.5	863.6	902.8	942.0
52.5°	737.8	798.6	833.7	868.8
55°	644.8	702.2	735.5	768.9
57.5°	556.8	608.3	637.2	666.1
60°	500.6	550.0	575.4	600.8
62.5°	445.8	493.1	515.6	538.1
65°	371.7	410.7	427.4	444.0
67.5°	304.8	334.0	343.3	352.6
70°	263.9	288.0	291.0	293.9
72.5°	225.2	245.2	244.1	242.9
75°	171.4	184.7	178.9	173.0
77.5°	126.7	135.3	126.6	117.9
80°	98.0	103.9	95.2	86.5
82.5°	70.1	74.3	67.4	60.4
85°	35.4	36.6	33.0	29.4
87.5°	13.6	13.8	11.2	8.5
90°	20.3	12.4	7.9	3.4
92.5°	43.9	30.5	21.5	12.4
95°	88.2	70.1	49.7	35.0
97.5°	140.4	111.2	91.1	66.9
100°	168.4	140.2	121.0	95.0
102.5°	199.2	175.5	149.0	123.0
105°	254.4	225.0	194.4	165.1
107.5°	305.5	273.1	236.5	210.0
110°	338.0	303.0	264.5	240.8



TEST NUMBER: P1428402

CATALOG NUMBER: SQ2W-PW1-K-075U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	369.7	333.7	294.4	270.6
115°	412.6	373.1	336.9	316.5
117.5°	454.0	413.3	375.1	359.0
120°	479.3	438.6	401.3	388.9
122.5°	500.1	460.3	425.7	420.5
125°	531.3	490.6	461.2	468.0
127.5°	556.7	519.4	500.8	516.0
130°	572.0	539.2	527.9	549.4
132.5°	585.6	560.0	555.1	584.7
135°	605.9	591.2	595.8	636.5
137.5°	630.1	624.5	639.6	691.0
140°	645.5	648.9	670.4	728.0
142.5°	666.3	674.2	702.0	763.3
145°	698.6	715.6	751.8	812.8
147.5°	735.3	757.2	802.0	864.6
150°	759.7	788.0	835.4	895.4
152.5°	787.7	816.9	864.4	925.2
155°	830.9	863.7	913.4	965.4
157.5°	875.0	908.5	955.9	1001.4
160°	902.1	938.3	981.3	1023.1
162.5°	932.9	966.3	1003.9	1041.2
165°	977.9	1005.0	1035.5	1067.2
167.5°	1015.6	1038.2	1062.2	1086.9
170°	1040.1	1058.1	1078.5	1097.7
172.5°	1060.9	1075.3	1090.3	1106.8
175°	1088.7	1096.6	1105.6	1115.8
177.5°	1110.1	1112.9	1115.6	1120.1
180°	1119.2	1119.2	1119.2	1119.2



TEST NUMBER: P1428402  
 CATALOG NUMBER: SQ2W-PW1-K-075U-075D-L835-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	18.80	19.66	19.73	20.60	21.82	15.05	15.90	15.98	16.85	18.07
	3H	20.10	20.87	21.05	21.82	23.06	16.32	17.08	17.26	18.04	19.28
	4H	20.51	21.23	21.47	22.19	23.44	16.82	17.55	17.78	18.50	19.76
	6H	20.69	21.36	21.66	22.32	23.58	17.13	17.80	18.10	18.76	20.02
	8H	20.73	21.36	21.71	22.34	23.61	17.25	17.88	18.22	18.86	20.12
	12H	20.73	21.33	21.71	22.31	23.59	17.28	17.88	18.26	18.85	20.14
4H	2H	18.93	19.65	19.90	20.61	21.86	15.86	16.58	16.82	17.54	18.79
	3H	20.47	21.07	21.44	22.06	23.32	17.30	17.90	18.28	18.89	20.16
	4H	21.02	21.56	22.00	22.55	23.84	17.88	18.43	18.87	19.41	20.70
	6H	21.33	21.80	22.32	22.80	24.09	18.27	18.74	19.26	19.74	21.03
	8H	21.42	21.86	22.41	22.86	24.16	18.42	18.86	19.41	19.85	21.16
	12H	21.44	21.84	22.45	22.85	24.16	18.46	18.86	19.47	19.87	21.18
8H	4H	21.06	21.49	22.05	22.49	23.79	18.23	18.66	19.22	19.66	20.96
	6H	21.48	21.84	22.50	22.88	24.18	18.72	19.08	19.74	20.12	21.42
	8H	21.65	21.97	22.68	22.99	24.31	18.94	19.26	19.97	20.28	21.60
	12H	21.73	22.01	22.76	23.03	24.39	19.02	19.30	20.05	20.32	21.69
12H	4H	21.01	21.41	22.03	22.42	23.73	18.24	18.64	19.26	19.65	20.96
	6H	21.47	21.79	22.50	22.82	24.14	18.79	19.11	19.82	20.14	21.46
	8H	21.66	21.94	22.69	22.96	24.33	19.04	19.32	20.07	20.34	21.70