

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: P1428234

Luminaire Tested: SQ2W-PR1-K-075U-075D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428234  
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-L835-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: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

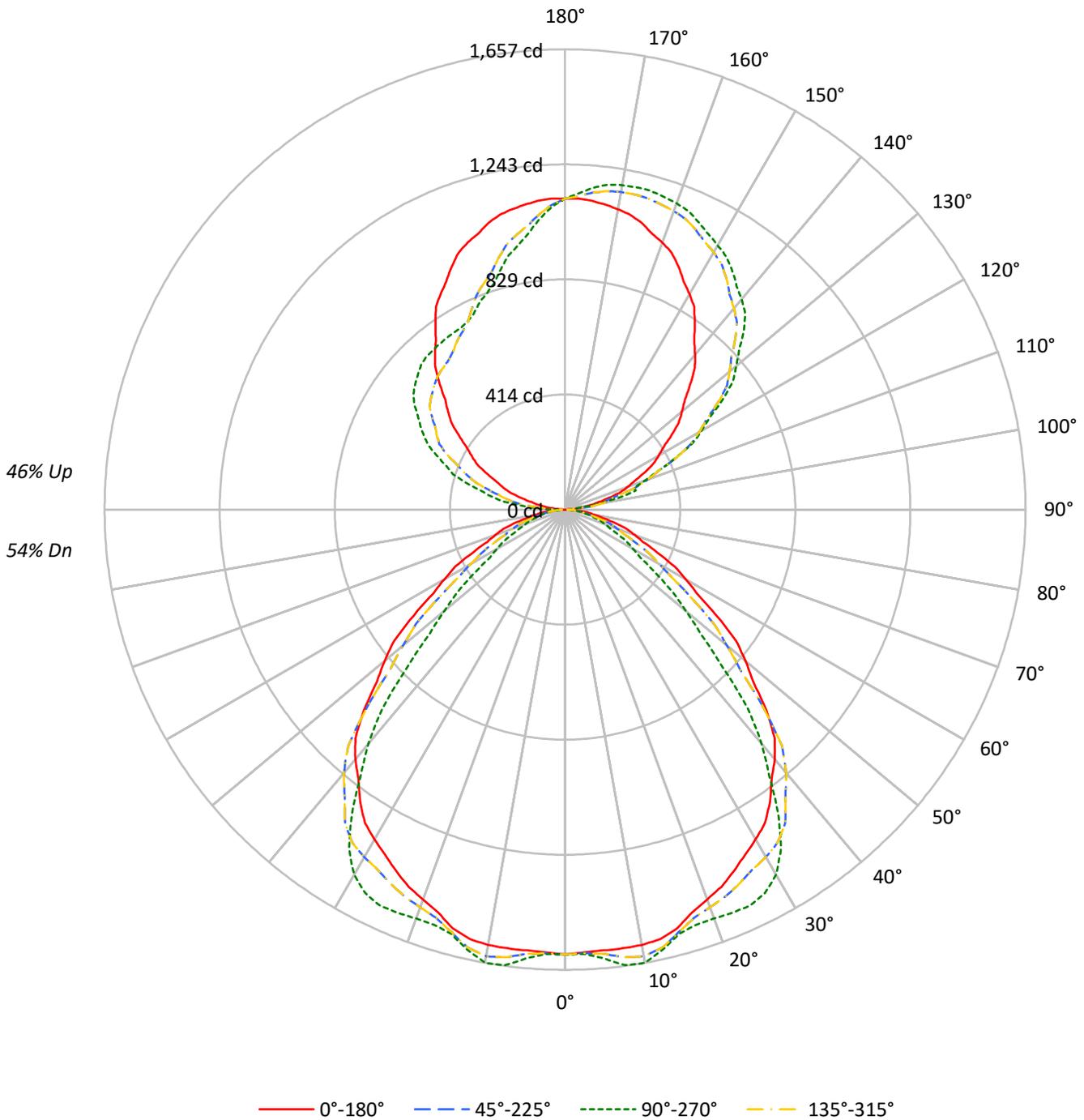
Lumens per Lamp: N/A  
Luminaire Lumens: 7125.3 lumens  
Efficiency: N/A  
Efficacy: 141.7 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

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

TEST NUMBER: P1428234

CATALOG NUMBER: SQ2W-PR1-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	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°	25857	25857	25857	25857
5°	25823	26299	25823	26299
10°	26095	27166	26095	27166
15°	26087	26442	26087	26442
20°	25666	26927	25666	26927
25°	25593	28035	25593	28035
30°	25566	28304	25566	28304
35°	25324	26352	25324	26352
40°	24740	23190	24740	23190
45°	23409	18340	23409	18340
50°	21282	14229	21282	14229
55°	18702	11074	18702	11074
60°	16184	9119	16184	9119
65°	13971	7985	13971	7985
70°	12562	7090	12562	7090
75°	11509	6519	11509	6519
80°	10014	6378	10014	6378
85°	7262	3020	7262	3020

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 25133 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.7	2.2
10°-20°	447.7	6.3
20°-30°	692.1	9.7
30°-40°	832.3	11.7
40°-50°	747.4	10.5
50°-60°	500.8	7.0
60°-70°	291.3	4.1
70°-80°	149.6	2.1
80°-90°	41.5	0.6
90°-100°	89.1	1.3
100°-110°	259.7	3.6
110°-120°	423.9	5.9
120°-130°	537.9	7.5
130°-140°	575.6	8.1
140°-150°	537.5	7.5
150°-160°	442.3	6.2
160°-170°	296.6	4.2
170°-180°	105.3	1.5
0°-30°	1294.5	18.2
0°-40°	2126.8	29.8
0°-60°	3375.0	47.4
0°-90°	3857.5	54.1
90°-120°	772.7	10.8
90°-150°	2423.6	34.0
90°-180°	3268.0	45.9
0°-180°	7125.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1602	1602	1602	1602	1602	
5°	1593	1623	1593	1623	1593	152
15°	1561	1582	1561	1582	1561	438
25°	1437	1574	1437	1574	1437	663
35°	1285	1337	1285	1337	1285	801
45°	1025	803	1025	803	1025	784
55°	664	393	664	393	664	597
65°	366	209	366	209	366	370
75°	184	104	184	104	184	196
85°	39	16	39	16	39	49
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°	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5
2.5°	1595.0	1603.7	1612.4	1608.5	1600.3	1596.6	1597.1	1598.0	1599.8	1601.5	1599.8
5°	1593.3	1605.7	1618.0	1615.1	1607.1	1603.9	1605.3	1608.2	1615.5	1622.7	1615.5
7.5°	1593.0	1610.6	1628.1	1629.5	1625.4	1625.5	1629.7	1635.2	1644.8	1654.4	1644.8
10°	1591.7	1612.7	1633.8	1636.9	1634.0	1632.9	1633.6	1636.7	1646.8	1657.0	1646.8
12.5°	1583.9	1608.4	1632.9	1630.3	1618.7	1612.4	1611.4	1612.0	1617.5	1623.0	1617.5
15°	1560.7	1589.7	1618.7	1606.9	1581.5	1569.9	1572.1	1574.7	1578.3	1581.9	1578.3
17.5°	1519.9	1550.2	1580.5	1569.9	1545.7	1537.5	1545.3	1553.0	1560.1	1567.2	1560.1
20°	1493.8	1523.5	1553.2	1546.0	1526.4	1521.7	1531.8	1542.5	1554.9	1567.2	1554.9
22.5°	1470.2	1500.0	1529.7	1525.1	1509.0	1508.0	1522.3	1537.2	1554.2	1571.1	1554.2
25°	1436.6	1462.7	1488.9	1489.4	1481.4	1489.4	1513.3	1536.0	1554.9	1573.7	1554.9
27.5°	1401.4	1416.7	1432.1	1442.3	1450.7	1471.1	1503.4	1531.0	1544.2	1557.4	1544.2
30°	1371.3	1381.5	1391.6	1410.5	1432.3	1457.3	1485.6	1508.1	1513.2	1518.2	1513.2
32.5°	1338.7	1344.8	1350.9	1377.4	1410.8	1434.9	1449.9	1459.5	1452.9	1446.4	1452.9
35°	1284.8	1289.9	1294.9	1328.9	1372.4	1388.4	1376.8	1364.6	1350.8	1337.0	1350.8
37.5°	1220.8	1231.2	1241.7	1269.3	1302.7	1302.4	1268.5	1239.0	1223.2	1207.4	1223.2
40°	1173.8	1191.2	1208.6	1227.1	1246.0	1230.0	1179.2	1136.6	1118.5	1100.3	1118.5
42.5°	1116.3	1144.2	1172.0	1176.2	1172.4	1138.2	1073.4	1019.3	997.1	974.9	997.1
45°	1025.2	1062.9	1100.7	1079.1	1037.7	981.9	911.5	852.5	827.9	803.2	827.9
47.5°	917.8	956.5	995.3	954.6	887.4	822.4	759.6	706.7	683.6	660.5	683.6
50°	847.3	878.5	909.7	863.6	791.8	726.5	667.7	617.3	591.9	566.5	591.9
52.5°	775.4	797.9	820.4	774.8	706.4	642.9	584.1	534.3	511.2	488.1	511.2
55°	664.4	676.0	687.7	645.4	585.2	527.1	471.3	425.4	409.4	393.4	409.4
57.5°	562.6	570.0	577.4	537.3	481.4	429.8	382.3	343.8	332.1	320.3	332.1
60°	501.2	506.3	511.3	470.7	414.8	368.4	331.4	301.3	291.9	282.4	291.9
62.5°	445.0	448.9	452.9	413.7	360.1	318.6	289.2	265.3	258.2	251.1	258.2
65°	365.7	369.3	372.9	339.6	293.9	259.8	237.3	219.1	214.0	209.0	214.0
67.5°	302.7	304.6	306.4	278.9	241.6	214.1	196.4	182.0	177.2	172.4	177.2
70°	266.1	266.8	267.6	243.2	210.6	186.3	170.3	157.4	153.8	150.2	153.8
72.5°	233.4	232.4	231.4	209.7	181.1	160.3	147.3	136.8	134.4	131.9	134.4
75°	184.5	182.3	180.1	162.2	138.9	123.0	114.3	107.4	105.9	104.5	105.9
77.5°	137.8	135.5	133.1	118.2	99.0	88.0	85.1	82.9	82.9	82.9	82.9
80°	107.7	104.8	101.9	90.3	75.8	68.6	68.6	68.6	68.6	68.6	68.6
82.5°	80.3	76.3	72.2	65.1	57.0	52.9	52.9	52.7	52.2	51.6	52.2
85°	39.2	35.6	31.9	31.0	31.0	28.8	24.5	20.7	18.5	16.3	18.5
87.5°	11.1	12.0	13.2	11.9	9.7	8.4	8.4	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°	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5
2.5°	1598.0	1597.1	1596.6	1600.3	1608.5	1612.4	1603.7	1595.0	1603.7	1612.4	1608.5
5°	1608.2	1605.3	1603.9	1607.1	1615.1	1618.0	1605.7	1593.3	1605.7	1618.0	1615.1
7.5°	1635.2	1629.7	1625.5	1625.4	1629.5	1628.1	1610.6	1593.0	1610.6	1628.1	1629.5
10°	1636.7	1633.6	1632.9	1634.0	1636.9	1633.8	1612.7	1591.7	1612.7	1633.8	1636.9
12.5°	1612.0	1611.4	1612.4	1618.7	1630.3	1632.9	1608.4	1583.9	1608.4	1632.9	1630.3
15°	1574.7	1572.1	1569.9	1581.5	1606.9	1618.7	1589.7	1560.7	1589.7	1618.7	1606.9
17.5°	1553.0	1545.3	1537.5	1545.7	1569.9	1580.5	1550.2	1519.9	1550.2	1580.5	1569.9
20°	1542.5	1531.8	1521.7	1526.4	1546.0	1553.2	1523.5	1493.8	1523.5	1553.2	1546.0
22.5°	1537.2	1522.3	1508.0	1509.0	1525.1	1529.7	1500.0	1470.2	1500.0	1529.7	1525.1
25°	1536.0	1513.3	1489.4	1481.4	1489.4	1488.9	1462.7	1436.6	1462.7	1488.9	1489.4
27.5°	1531.0	1503.4	1471.1	1450.7	1442.3	1432.1	1416.7	1401.4	1416.7	1432.1	1442.3
30°	1508.1	1485.6	1457.3	1432.3	1410.5	1391.6	1381.5	1371.3	1381.5	1391.6	1410.5
32.5°	1459.5	1449.9	1434.9	1410.8	1377.4	1350.9	1344.8	1338.7	1344.8	1350.9	1377.4
35°	1364.6	1376.8	1388.4	1372.4	1328.9	1294.9	1289.9	1284.8	1289.9	1294.9	1328.9
37.5°	1239.0	1268.5	1302.4	1302.7	1269.3	1241.7	1231.2	1220.8	1231.2	1241.7	1269.3
40°	1136.6	1179.2	1230.0	1246.0	1227.1	1208.6	1191.2	1173.8	1191.2	1208.6	1227.1
42.5°	1019.3	1073.4	1138.2	1172.4	1176.2	1172.0	1144.2	1116.3	1144.2	1172.0	1176.2
45°	852.5	911.5	981.9	1037.7	1079.1	1100.7	1062.9	1025.2	1062.9	1100.7	1079.1
47.5°	706.7	759.6	822.4	887.4	954.6	995.3	956.5	917.8	956.5	995.3	954.6
50°	617.3	667.7	726.5	791.8	863.6	909.7	878.5	847.3	878.5	909.7	863.6
52.5°	534.3	584.1	642.9	706.4	774.8	820.4	797.9	775.4	797.9	820.4	774.8
55°	425.4	471.3	527.1	585.2	645.4	687.7	676.0	664.4	676.0	687.7	645.4
57.5°	343.8	382.3	429.8	481.4	537.3	577.4	570.0	562.6	570.0	577.4	537.3
60°	301.3	331.4	368.4	414.8	470.7	511.3	506.3	501.2	506.3	511.3	470.7
62.5°	265.3	289.2	318.6	360.1	413.7	452.9	448.9	445.0	448.9	452.9	413.7
65°	219.1	237.3	259.8	293.9	339.6	372.9	369.3	365.7	369.3	372.9	339.6
67.5°	182.0	196.4	214.1	241.6	278.9	306.4	304.6	302.7	304.6	306.4	278.9
70°	157.4	170.3	186.3	210.6	243.2	267.6	266.8	266.1	266.8	267.6	243.2
72.5°	136.8	147.3	160.3	181.1	209.7	231.4	232.4	233.4	232.4	231.4	209.7
75°	107.4	114.3	123.0	138.9	162.2	180.1	182.3	184.5	182.3	180.1	162.2
77.5°	82.9	85.1	88.0	99.0	118.2	133.1	135.5	137.8	135.5	133.1	118.2
80°	68.6	68.6	68.6	75.8	90.3	101.9	104.8	107.7	104.8	101.9	90.3
82.5°	52.7	52.9	52.9	57.0	65.1	72.2	76.3	80.3	76.3	72.2	65.1
85°	20.7	24.5	28.8	31.0	31.0	31.9	35.6	39.2	35.6	31.9	31.0
87.5°	8.7	8.4	8.4	9.7	11.9	13.2	12.0	11.1	12.0	12.9	12.3
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: P1428234

CATALOG NUMBER: SQ2W-PR1-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: P1428234

CATALOG NUMBER: SQ2W-PR1-K-075U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5
2.5°	1600.3	1596.6	1597.1	1598.0	1599.8	1601.5	1599.8	1598.0	1597.1	1596.6	1600.3
5°	1607.1	1603.9	1605.3	1608.2	1615.5	1622.7	1615.5	1608.2	1605.3	1603.9	1607.1
7.5°	1625.4	1625.5	1629.7	1635.2	1644.8	1654.4	1644.8	1635.2	1629.7	1625.5	1625.4
10°	1634.0	1632.9	1633.6	1636.7	1646.8	1657.0	1646.8	1636.7	1633.6	1632.9	1634.0
12.5°	1618.7	1612.4	1611.4	1612.0	1617.5	1623.0	1617.5	1612.0	1611.4	1612.4	1618.7
15°	1581.5	1569.9	1572.1	1574.7	1578.3	1581.9	1578.3	1574.7	1572.1	1569.9	1581.5
17.5°	1545.7	1537.5	1545.3	1553.0	1560.1	1567.2	1560.1	1553.0	1545.3	1537.5	1545.7
20°	1526.4	1521.7	1531.8	1542.5	1554.9	1567.2	1554.9	1542.5	1531.8	1521.7	1526.4
22.5°	1509.0	1508.0	1522.3	1537.2	1554.2	1571.1	1554.2	1537.2	1522.3	1508.0	1509.0
25°	1481.4	1489.4	1513.3	1536.0	1554.9	1573.7	1554.9	1536.0	1513.3	1489.4	1481.4
27.5°	1450.7	1471.1	1503.4	1531.0	1544.2	1557.4	1544.2	1531.0	1503.4	1471.1	1450.7
30°	1432.3	1457.3	1485.6	1508.1	1513.2	1518.2	1513.2	1508.1	1485.6	1457.3	1432.3
32.5°	1410.8	1434.9	1449.9	1459.5	1452.9	1446.4	1452.9	1459.5	1449.9	1434.9	1410.8
35°	1372.4	1388.4	1376.8	1364.6	1350.8	1337.0	1350.8	1364.6	1376.8	1388.4	1372.4
37.5°	1302.7	1302.4	1268.5	1239.0	1223.2	1207.4	1223.2	1239.0	1268.5	1302.4	1302.7
40°	1246.0	1230.0	1179.2	1136.6	1118.5	1100.3	1118.5	1136.6	1179.2	1230.0	1246.0
42.5°	1172.4	1138.2	1073.4	1019.3	997.1	974.9	997.1	1019.3	1073.4	1138.2	1172.4
45°	1037.7	981.9	911.5	852.5	827.9	803.2	827.9	852.5	911.5	981.9	1037.7
47.5°	887.4	822.4	759.6	706.7	683.6	660.5	683.6	706.7	759.6	822.4	887.4
50°	791.8	726.5	667.7	617.3	591.9	566.5	591.9	617.3	667.7	726.5	791.8
52.5°	706.4	642.9	584.1	534.3	511.2	488.1	511.2	534.3	584.1	642.9	706.4
55°	585.2	527.1	471.3	425.4	409.4	393.4	409.4	425.4	471.3	527.1	585.2
57.5°	481.4	429.8	382.3	343.8	332.1	320.3	332.1	343.8	382.3	429.8	481.4
60°	414.8	368.4	331.4	301.3	291.9	282.4	291.9	301.3	331.4	368.4	414.8
62.5°	360.1	318.6	289.2	265.3	258.2	251.1	258.2	265.3	289.2	318.6	360.1
65°	293.9	259.8	237.3	219.1	214.0	209.0	214.0	219.1	237.3	259.8	293.9
67.5°	241.6	214.1	196.4	182.0	177.2	172.4	177.2	182.0	196.4	214.1	241.6
70°	210.6	186.3	170.3	157.4	153.8	150.2	153.8	157.4	170.3	186.3	210.6
72.5°	181.1	160.3	147.3	136.8	134.4	131.9	134.4	136.8	147.3	160.3	181.1
75°	138.9	123.0	114.3	107.4	105.9	104.5	105.9	107.4	114.3	123.0	138.9
77.5°	99.0	88.0	85.1	82.9	82.9	82.9	82.9	82.9	85.1	88.0	99.0
80°	75.8	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	75.8
82.5°	57.0	52.9	52.9	52.7	52.2	51.6	52.2	52.7	52.9	52.9	57.0
85°	31.0	28.8	24.5	20.7	18.5	16.3	18.5	20.7	24.5	28.8	31.0
87.5°	10.6	10.7	12.3	13.2	14.1	13.6	14.1	13.2	12.3	10.7	10.6
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: P1428234

CATALOG NUMBER: SQ2W-PR1-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: P1428234

CATALOG NUMBER: SQ2W-PR1-K-075U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1601.5	1601.5	1601.5	1601.5
2.5°	1608.5	1612.4	1603.7	1595.0
5°	1615.1	1618.0	1605.7	1593.3
7.5°	1629.5	1628.1	1610.6	1593.0
10°	1636.9	1633.8	1612.7	1591.7
12.5°	1630.3	1632.9	1608.4	1583.9
15°	1606.9	1618.7	1589.7	1560.7
17.5°	1569.9	1580.5	1550.2	1519.9
20°	1546.0	1553.2	1523.5	1493.8
22.5°	1525.1	1529.7	1500.0	1470.2
25°	1489.4	1488.9	1462.7	1436.6
27.5°	1442.3	1432.1	1416.7	1401.4
30°	1410.5	1391.6	1381.5	1371.3
32.5°	1377.4	1350.9	1344.8	1338.7
35°	1328.9	1294.9	1289.9	1284.8
37.5°	1269.3	1241.7	1231.2	1220.8
40°	1227.1	1208.6	1191.2	1173.8
42.5°	1176.2	1172.0	1144.2	1116.3
45°	1079.1	1100.7	1062.9	1025.2
47.5°	954.6	995.3	956.5	917.8
50°	863.6	909.7	878.5	847.3
52.5°	774.8	820.4	797.9	775.4
55°	645.4	687.7	676.0	664.4
57.5°	537.3	577.4	570.0	562.6
60°	470.7	511.3	506.3	501.2
62.5°	413.7	452.9	448.9	445.0
65°	339.6	372.9	369.3	365.7
67.5°	278.9	306.4	304.6	302.7
70°	243.2	267.6	266.8	266.1
72.5°	209.7	231.4	232.4	233.4
75°	162.2	180.1	182.3	184.5
77.5°	118.2	133.1	135.5	137.8
80°	90.3	101.9	104.8	107.7
82.5°	65.1	72.2	76.3	80.3
85°	31.0	31.9	35.6	39.2
87.5°	12.3	12.9	12.0	11.1
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: P1428234

CATALOG NUMBER: SQ2W-PR1-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: P1428234  
 CATALOG NUMBER: SQ2W-PR1-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	18.35	19.21	19.28	20.15	21.36	14.72	15.58	15.65	16.52	17.73
	3H	19.56	20.32	20.50	21.27	22.51	15.88	16.65	16.82	17.60	18.83
	4H	20.04	20.76	21.00	21.72	22.97	16.35	17.07	17.30	18.02	19.27
	6H	20.34	21.00	21.31	21.96	23.22	16.69	17.35	17.65	18.31	19.57
	8H	20.44	21.07	21.42	22.05	23.31	16.82	17.45	17.80	18.43	19.69
	12H	20.48	21.08	21.46	22.05	23.33	16.86	17.45	17.83	18.43	19.71
4H	2H	18.45	19.18	19.42	20.13	21.38	15.43	16.15	16.39	17.11	18.35
	3H	19.91	20.51	20.89	21.50	22.76	16.79	17.38	17.76	18.37	19.63
	4H	20.54	21.09	21.52	22.07	23.35	17.33	17.88	18.31	18.86	20.14
	6H	20.97	21.44	21.97	22.44	23.73	17.76	18.23	18.76	19.23	20.52
	8H	21.13	21.57	22.13	22.56	23.86	17.95	18.38	18.94	19.38	20.68
	12H	21.20	21.59	22.21	22.60	23.91	17.99	18.39	19.01	19.40	20.70
8H	4H	20.57	21.00	21.56	22.00	23.30	17.66	18.10	18.65	19.09	20.39
	6H	21.10	21.46	22.12	22.50	23.79	18.20	18.56	19.22	19.60	20.89
	8H	21.33	21.65	22.36	22.68	23.99	18.46	18.78	19.49	19.80	21.12
	12H	21.45	21.73	22.48	22.75	24.11	18.55	18.83	19.58	19.85	21.21
12H	4H	20.53	20.92	21.54	21.93	23.23	17.68	18.07	18.69	19.08	20.39
	6H	21.09	21.41	22.12	22.43	23.75	18.27	18.59	19.30	19.61	20.93
	8H	21.34	21.62	22.37	22.64	24.00	18.56	18.84	19.59	19.86	21.22