

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: P1427736

Luminaire Tested: SQ2W-F-K-075U-100D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427736
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-100D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

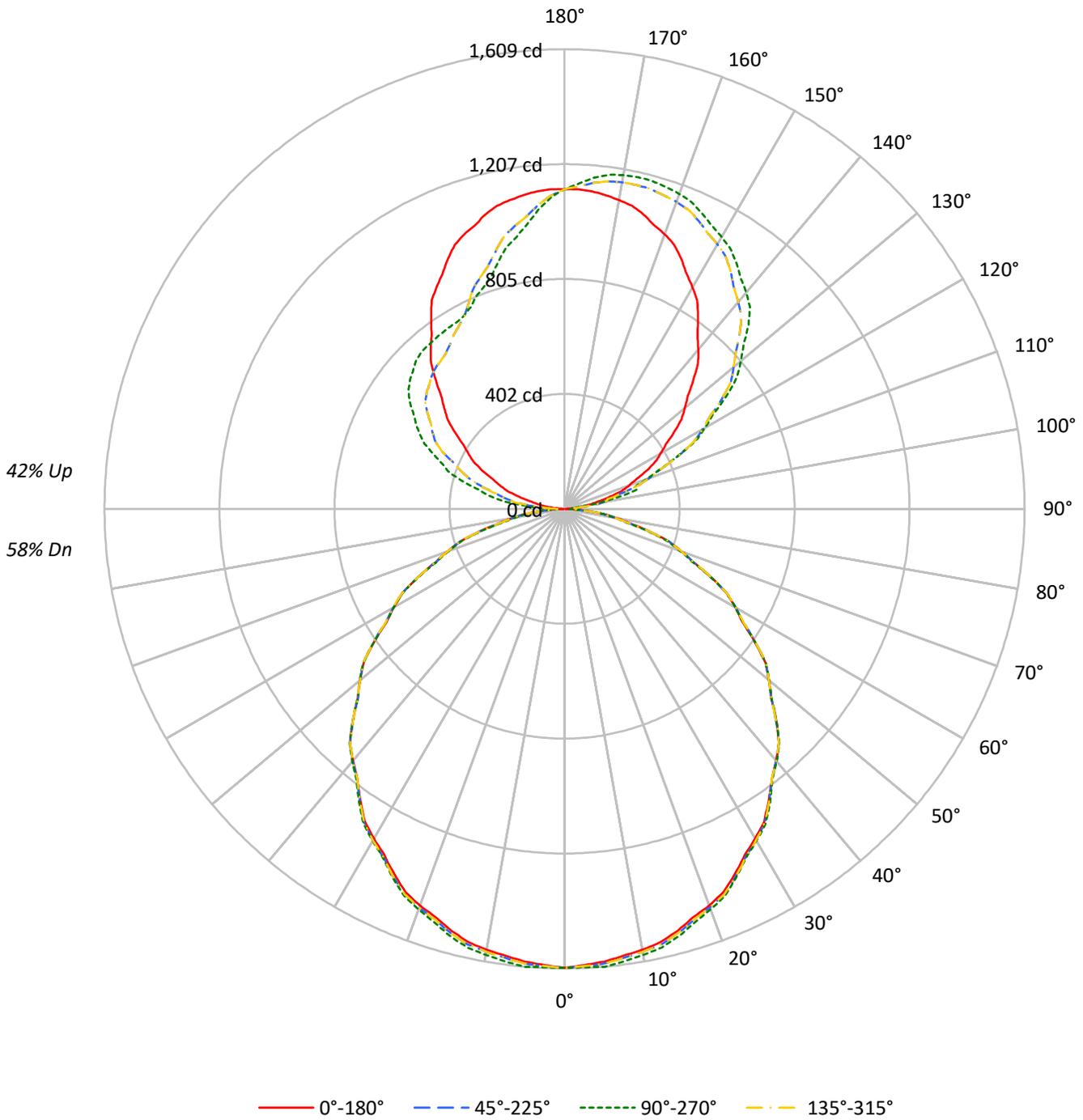
Lumens per Lamp: N/A
Luminaire Lumens: 7795.1 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 61.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	64	64	64	58				
1	99	95	91	87	92	89	85	82	77	74	72	66	64	62	56	55	53	49				
2	90	83	76	71	84	77	72	67	67	63	59	58	54	52	49	47	45	40				
3	82	73	65	59	76	68	61	56	59	54	50	51	47	44	43	40	38	34				
4	75	64	56	50	70	60	53	47	52	47	42	45	41	37	38	35	32	29				
5	69	57	49	43	64	53	46	40	47	41	36	40	36	32	35	31	28	25				
6	64	51	43	37	59	48	41	35	42	36	32	37	32	28	31	28	25	22				
7	59	46	38	32	55	43	36	31	38	32	28	33	28	25	29	25	22	19				
8	55	42	34	29	51	39	32	27	35	29	25	30	26	22	26	22	20	17				
9	51	38	31	25	47	36	29	24	32	26	22	28	23	20	24	20	18	15				
10	47	35	28	23	44	33	26	22	29	24	20	26	21	18	22	19	16	14				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	25946	25946	25946	25946
5°	25787	26081	25787	26081
10°	25697	25994	25697	25994
15°	25556	25877	25556	25877
20°	25395	25647	25395	25647
25°	25120	25341	25120	25341
30°	24853	25023	24853	25023
35°	24535	24693	24535	24693
40°	24257	24329	24257	24329
45°	23902	23902	23902	23902
50°	23423	23480	23423	23480
55°	22871	22905	22871	22905
60°	22255	22255	22255	22255
65°	21532	21444	21532	21444
70°	20516	20299	20516	20299
75°	19132	18708	19132	18708
80°	17043	16206	17043	16206
85°	13634	11523	13634	11523

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 24062 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.1	2.0
10°-20°	434.5	5.6
20°-30°	654.0	8.4
30°-40°	782.0	10.0
40°-50°	807.5	10.4
50°-60°	728.4	9.3
60°-70°	558.0	7.2
70°-80°	322.5	4.1
80°-90°	88.4	1.1
90°-100°	89.1	1.1
100°-110°	259.7	3.3
110°-120°	423.9	5.4
120°-130°	537.9	6.9
130°-140°	575.6	7.4
140°-150°	537.5	6.9
150°-160°	442.3	5.7
160°-170°	296.6	3.8
170°-180°	105.3	1.4
0°-30°	1240.5	15.9
0°-40°	2022.5	25.9
0°-60°	3558.4	45.6
0°-90°	4527.2	58.1
90°-120°	772.7	9.9
90°-150°	2423.6	31.1
90°-180°	3268.0	41.9
0°-180°	7795.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1607	1607	1607	1607	1607	
5°	1591	1609	1591	1609	1591	151
15°	1529	1548	1529	1548	1529	431
25°	1410	1422	1410	1422	1410	650
35°	1245	1253	1245	1253	1245	779
45°	1047	1047	1047	1047	1047	807
55°	812	814	812	814	812	726
65°	564	561	564	561	564	557
75°	307	300	307	300	307	325
85°	74	62	74	62	74	86
90°	3	25	3	49	3	6
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°	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0
2.5°	1598.8	1606.5	1614.1	1610.9	1604.0	1601.4	1603.0	1604.4	1605.3	1606.1	1605.3
5°	1591.1	1601.2	1611.2	1607.7	1599.7	1596.2	1597.2	1599.2	1604.2	1609.2	1604.2
7.5°	1578.2	1588.3	1598.3	1595.1	1587.5	1584.3	1585.5	1587.7	1592.9	1598.1	1592.9
10°	1567.4	1577.4	1587.5	1584.0	1575.9	1572.9	1574.9	1577.4	1581.4	1585.5	1581.4
12.5°	1553.8	1563.8	1573.9	1571.0	1563.7	1560.7	1561.9	1563.9	1568.4	1572.8	1568.4
15°	1528.9	1538.9	1549.0	1546.2	1539.2	1536.4	1537.9	1540.1	1544.1	1548.1	1544.1
17.5°	1498.8	1508.2	1517.7	1515.1	1508.6	1506.2	1507.9	1510.1	1513.6	1517.1	1513.6
20°	1478.0	1487.0	1496.1	1493.4	1486.9	1483.9	1484.4	1485.6	1489.1	1492.7	1489.1
22.5°	1452.6	1461.7	1470.7	1468.4	1462.2	1458.6	1457.5	1457.8	1462.1	1466.4	1462.1
25°	1410.1	1419.1	1428.2	1426.3	1420.7	1417.2	1415.7	1415.5	1419.0	1422.5	1419.0
27.5°	1365.7	1373.2	1380.8	1379.2	1374.6	1371.8	1370.7	1370.6	1373.1	1375.7	1373.1
30°	1333.1	1340.6	1348.2	1346.3	1341.3	1338.3	1337.3	1337.1	1339.6	1342.2	1339.6
32.5°	1298.7	1305.8	1313.0	1310.4	1304.6	1301.5	1301.3	1301.9	1304.8	1307.8	1304.8
35°	1244.8	1250.9	1256.9	1254.3	1248.7	1246.2	1246.7	1247.7	1250.2	1252.8	1250.2
37.5°	1190.7	1195.4	1200.0	1197.3	1192.2	1189.6	1189.5	1189.9	1192.0	1194.1	1192.0
40°	1150.9	1155.9	1161.0	1158.1	1152.5	1149.5	1149.0	1149.3	1151.8	1154.3	1151.8
42.5°	1110.2	1114.0	1117.8	1115.2	1110.5	1108.3	1108.6	1109.1	1110.4	1111.7	1110.4
45°	1046.8	1050.3	1053.8	1051.3	1046.8	1044.5	1044.5	1044.8	1045.8	1046.8	1045.8
47.5°	980.5	983.2	985.9	983.9	980.4	978.4	977.8	977.7	979.3	980.9	979.3
50°	932.5	936.0	939.5	937.8	934.3	932.0	931.0	930.7	932.7	934.8	932.7
52.5°	885.4	889.3	893.3	891.6	888.1	885.6	884.2	883.6	885.2	886.8	885.2
55°	812.5	817.1	821.6	820.5	817.4	814.9	812.9	811.7	812.7	813.7	812.7
57.5°	738.1	742.5	746.9	746.1	743.5	740.9	738.5	737.1	738.5	739.9	738.5
60°	689.2	693.2	697.2	696.0	693.0	690.4	688.4	687.2	688.2	689.2	688.2
62.5°	639.4	643.4	647.4	645.9	642.5	639.7	637.7	636.5	637.5	638.5	637.5
65°	563.6	567.1	570.6	569.2	566.2	563.7	561.7	560.3	560.8	561.3	560.8
67.5°	487.1	490.1	493.1	491.7	488.8	485.8	482.9	480.9	481.7	482.5	481.7
70°	434.6	437.6	440.6	439.5	436.9	434.4	431.9	430.0	430.0	430.0	430.0
72.5°	383.9	386.5	389.1	387.6	384.6	382.1	380.0	378.4	378.4	378.4	378.4
75°	306.7	308.2	309.7	308.9	307.4	305.4	302.9	300.9	300.4	299.9	300.4
77.5°	232.2	232.2	232.2	230.8	228.9	227.0	225.1	223.5	222.9	222.3	222.9
80°	183.3	183.3	183.3	182.2	180.7	179.2	177.7	176.3	175.3	174.3	175.3
82.5°	138.1	137.3	136.5	135.1	133.6	131.7	129.4	127.9	128.9	129.9	128.9
85°	73.6	72.6	71.5	70.2	68.7	66.9	64.9	63.2	62.7	62.2	62.7
87.5°	23.3	23.4	23.7	23.5	23.0	21.8	20.2	19.1	19.0	18.6	19.0
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°	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0
2.5°	1604.4	1603.0	1601.4	1604.0	1610.9	1614.1	1606.5	1598.8	1606.5	1614.1	1610.9
5°	1599.2	1597.2	1596.2	1599.7	1607.7	1611.2	1601.2	1591.1	1601.2	1611.2	1607.7
7.5°	1587.7	1585.5	1584.3	1587.5	1595.1	1598.3	1588.3	1578.2	1588.3	1598.3	1595.1
10°	1577.4	1574.9	1572.9	1575.9	1584.0	1587.5	1577.4	1567.4	1577.4	1587.5	1584.0
12.5°	1563.9	1561.9	1560.7	1563.7	1571.0	1573.9	1563.8	1553.8	1563.8	1573.9	1571.0
15°	1540.1	1537.9	1536.4	1539.2	1546.2	1549.0	1538.9	1528.9	1538.9	1549.0	1546.2
17.5°	1510.1	1507.9	1506.2	1508.6	1515.1	1517.7	1508.2	1498.8	1508.2	1517.7	1515.1
20°	1485.6	1484.4	1483.9	1486.9	1493.4	1496.1	1487.0	1478.0	1487.0	1496.1	1493.4
22.5°	1457.8	1457.5	1458.6	1462.2	1468.4	1470.7	1461.7	1452.6	1461.7	1470.7	1468.4
25°	1415.5	1415.7	1417.2	1420.7	1426.3	1428.2	1419.1	1410.1	1419.1	1428.2	1426.3
27.5°	1370.6	1370.7	1371.8	1374.6	1379.2	1380.8	1373.2	1365.7	1373.2	1380.8	1379.2
30°	1337.1	1337.3	1338.3	1341.3	1346.3	1348.2	1340.6	1333.1	1340.6	1348.2	1346.3
32.5°	1301.9	1301.3	1301.5	1304.6	1310.4	1313.0	1305.8	1298.7	1305.8	1313.0	1310.4
35°	1247.7	1246.7	1246.2	1248.7	1254.3	1256.9	1250.9	1244.8	1250.9	1256.9	1254.3
37.5°	1189.9	1189.5	1189.6	1192.2	1197.3	1200.0	1195.4	1190.7	1195.4	1200.0	1197.3
40°	1149.3	1149.0	1149.5	1152.5	1158.1	1161.0	1155.9	1150.9	1155.9	1161.0	1158.1
42.5°	1109.1	1108.6	1108.3	1110.5	1115.2	1117.8	1114.0	1110.2	1114.0	1117.8	1115.2
45°	1044.8	1044.5	1044.5	1046.8	1051.3	1053.8	1050.3	1046.8	1050.3	1053.8	1051.3
47.5°	977.7	977.8	978.4	980.4	983.9	985.9	983.2	980.5	983.2	985.9	983.9
50°	930.7	931.0	932.0	934.3	937.8	939.5	936.0	932.5	936.0	939.5	937.8
52.5°	883.6	884.2	885.6	888.1	891.6	893.3	889.3	885.4	889.3	893.3	891.6
55°	811.7	812.9	814.9	817.4	820.5	821.6	817.1	812.5	817.1	821.6	820.5
57.5°	737.1	738.5	740.9	743.5	746.1	746.9	742.5	738.1	742.5	746.9	746.1
60°	687.2	688.4	690.4	693.0	696.0	697.2	693.2	689.2	693.2	697.2	696.0
62.5°	636.5	637.7	639.7	642.5	645.9	647.4	643.4	639.4	643.4	647.4	645.9
65°	560.3	561.7	563.7	566.2	569.2	570.6	567.1	563.6	567.1	570.6	569.2
67.5°	480.9	482.9	485.8	488.8	491.7	493.1	490.1	487.1	490.1	493.1	491.7
70°	430.0	431.9	434.4	436.9	439.5	440.6	437.6	434.6	437.6	440.6	439.5
72.5°	378.4	380.0	382.1	384.6	387.6	389.1	386.5	383.9	386.5	389.1	387.6
75°	300.9	302.9	305.4	307.4	308.9	309.7	308.2	306.7	308.2	309.7	308.9
77.5°	223.5	225.1	227.0	228.9	230.8	232.2	232.2	232.2	232.2	232.2	230.8
80°	176.3	177.7	179.2	180.7	182.2	183.3	183.3	183.3	183.3	183.3	182.2
82.5°	127.9	129.4	131.7	133.6	135.1	136.5	137.3	138.1	137.3	136.5	135.1
85°	63.2	64.9	66.9	68.7	70.2	71.5	72.6	73.6	72.6	71.5	70.2
87.5°	19.1	20.2	21.8	23.0	23.5	23.7	23.4	23.3	23.4	23.5	24.0
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: P1427736

CATALOG NUMBER: SQ2W-F-K-075U-100D-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: P1427736

CATALOG NUMBER: SQ2W-F-K-075U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0
2.5°	1604.0	1601.4	1603.0	1604.4	1605.3	1606.1	1605.3	1604.4	1603.0	1601.4	1604.0
5°	1599.7	1596.2	1597.2	1599.2	1604.2	1609.2	1604.2	1599.2	1597.2	1596.2	1599.7
7.5°	1587.5	1584.3	1585.5	1587.7	1592.9	1598.1	1592.9	1587.7	1585.5	1584.3	1587.5
10°	1575.9	1572.9	1574.9	1577.4	1581.4	1585.5	1581.4	1577.4	1574.9	1572.9	1575.9
12.5°	1563.7	1560.7	1561.9	1563.9	1568.4	1572.8	1568.4	1563.9	1561.9	1560.7	1563.7
15°	1539.2	1536.4	1537.9	1540.1	1544.1	1548.1	1544.1	1540.1	1537.9	1536.4	1539.2
17.5°	1508.6	1506.2	1507.9	1510.1	1513.6	1517.1	1513.6	1510.1	1507.9	1506.2	1508.6
20°	1486.9	1483.9	1484.4	1485.6	1489.1	1492.7	1489.1	1485.6	1484.4	1483.9	1486.9
22.5°	1462.2	1458.6	1457.5	1457.8	1462.1	1466.4	1462.1	1457.8	1457.5	1458.6	1462.2
25°	1420.7	1417.2	1415.7	1415.5	1419.0	1422.5	1419.0	1415.5	1415.7	1417.2	1420.7
27.5°	1374.6	1371.8	1370.7	1370.6	1373.1	1375.7	1373.1	1370.6	1370.7	1371.8	1374.6
30°	1341.3	1338.3	1337.3	1337.1	1339.6	1342.2	1339.6	1337.1	1337.3	1338.3	1341.3
32.5°	1304.6	1301.5	1301.3	1301.9	1304.8	1307.8	1304.8	1301.9	1301.3	1301.5	1304.6
35°	1248.7	1246.2	1246.7	1247.7	1250.2	1252.8	1250.2	1247.7	1246.7	1246.2	1248.7
37.5°	1192.2	1189.6	1189.5	1189.9	1192.0	1194.1	1192.0	1189.9	1189.5	1189.6	1192.2
40°	1152.5	1149.5	1149.0	1149.3	1151.8	1154.3	1151.8	1149.3	1149.0	1149.5	1152.5
42.5°	1110.5	1108.3	1108.6	1109.1	1110.4	1111.7	1110.4	1109.1	1108.6	1108.3	1110.5
45°	1046.8	1044.5	1044.5	1044.8	1045.8	1046.8	1045.8	1044.8	1044.5	1044.5	1046.8
47.5°	980.4	978.4	977.8	977.7	979.3	980.9	979.3	977.7	977.8	978.4	980.4
50°	934.3	932.0	931.0	930.7	932.7	934.8	932.7	930.7	931.0	932.0	934.3
52.5°	888.1	885.6	884.2	883.6	885.2	886.8	885.2	883.6	884.2	885.6	888.1
55°	817.4	814.9	812.9	811.7	812.7	813.7	812.7	811.7	812.9	814.9	817.4
57.5°	743.5	740.9	738.5	737.1	738.5	739.9	738.5	737.1	738.5	740.9	743.5
60°	693.0	690.4	688.4	687.2	688.2	689.2	688.2	687.2	688.4	690.4	693.0
62.5°	642.5	639.7	637.7	636.5	637.5	638.5	637.5	636.5	637.7	639.7	642.5
65°	566.2	563.7	561.7	560.3	560.8	561.3	560.8	560.3	561.7	563.7	566.2
67.5°	488.8	485.8	482.9	480.9	481.7	482.5	481.7	480.9	482.9	485.8	488.8
70°	436.9	434.4	431.9	430.0	430.0	430.0	430.0	430.0	431.9	434.4	436.9
72.5°	384.6	382.1	380.0	378.4	378.4	378.4	378.4	378.4	380.0	382.1	384.6
75°	307.4	305.4	302.9	300.9	300.4	299.9	300.4	300.9	302.9	305.4	307.4
77.5°	228.9	227.0	225.1	223.5	222.9	222.3	222.9	223.5	225.1	227.0	228.9
80°	180.7	179.2	177.7	176.3	175.3	174.3	175.3	176.3	177.7	179.2	180.7
82.5°	133.6	131.7	129.4	127.9	128.9	129.9	128.9	127.9	129.4	131.7	133.6
85°	68.7	66.9	64.9	63.2	62.7	62.2	62.7	63.2	64.9	66.9	68.7
87.5°	23.9	24.1	24.1	23.7	24.2	23.3	24.2	23.7	24.1	24.1	23.9
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: P1427736

CATALOG NUMBER: SQ2W-F-K-075U-100D-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: P1427736

CATALOG NUMBER: SQ2W-F-K-075U-100D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1607.0	1607.0	1607.0	1607.0
2.5°	1610.9	1614.1	1606.5	1598.8
5°	1607.7	1611.2	1601.2	1591.1
7.5°	1595.1	1598.3	1588.3	1578.2
10°	1584.0	1587.5	1577.4	1567.4
12.5°	1571.0	1573.9	1563.8	1553.8
15°	1546.2	1549.0	1538.9	1528.9
17.5°	1515.1	1517.7	1508.2	1498.8
20°	1493.4	1496.1	1487.0	1478.0
22.5°	1468.4	1470.7	1461.7	1452.6
25°	1426.3	1428.2	1419.1	1410.1
27.5°	1379.2	1380.8	1373.2	1365.7
30°	1346.3	1348.2	1340.6	1333.1
32.5°	1310.4	1313.0	1305.8	1298.7
35°	1254.3	1256.9	1250.9	1244.8
37.5°	1197.3	1200.0	1195.4	1190.7
40°	1158.1	1161.0	1155.9	1150.9
42.5°	1115.2	1117.8	1114.0	1110.2
45°	1051.3	1053.8	1050.3	1046.8
47.5°	983.9	985.9	983.2	980.5
50°	937.8	939.5	936.0	932.5
52.5°	891.6	893.3	889.3	885.4
55°	820.5	821.6	817.1	812.5
57.5°	746.1	746.9	742.5	738.1
60°	696.0	697.2	693.2	689.2
62.5°	645.9	647.4	643.4	639.4
65°	569.2	570.6	567.1	563.6
67.5°	491.7	493.1	490.1	487.1
70°	439.5	440.6	437.6	434.6
72.5°	387.6	389.1	386.5	383.9
75°	308.9	309.7	308.2	306.7
77.5°	230.8	232.2	232.2	232.2
80°	182.2	183.3	183.3	183.3
82.5°	135.1	136.5	137.3	138.1
85°	70.2	71.5	72.6	73.6
87.5°	24.0	23.5	23.4	23.3
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: P1427736

CATALOG NUMBER: SQ2W-F-K-075U-100D-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: P1427736
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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	19.89	20.84	20.77	21.74	22.89	19.80	20.75	20.68	21.66	22.81
	3H	21.68	22.54	22.58	23.45	24.63	21.58	22.44	22.47	23.35	24.52
	4H	22.38	23.19	23.29	24.11	25.30	22.27	23.08	23.18	24.00	25.18
	6H	22.82	23.57	23.75	24.50	25.70	22.68	23.43	23.60	24.36	25.55
	8H	22.99	23.70	23.92	24.64	25.84	22.83	23.54	23.76	24.49	25.68
	12H	23.07	23.75	24.01	24.69	25.91	22.90	23.58	23.83	24.51	25.74
4H	2H	20.48	21.29	21.39	22.21	23.39	20.41	21.22	21.33	22.14	23.32
	3H	22.51	23.18	23.43	24.13	25.33	22.41	23.09	23.34	24.04	25.24
	4H	23.32	23.94	24.26	24.89	26.11	23.21	23.83	24.15	24.78	26.00
	6H	23.88	24.42	24.83	25.39	26.61	23.74	24.28	24.69	25.24	26.47
	8H	24.10	24.60	25.05	25.56	26.80	23.94	24.44	24.89	25.40	26.64
	12H	24.22	24.67	25.19	25.65	26.89	24.03	24.48	25.00	25.46	26.71
8H	4H	23.58	24.08	24.53	25.04	26.28	23.48	23.98	24.43	24.94	26.18
	6H	24.27	24.68	25.25	25.69	26.92	24.14	24.55	25.12	25.56	26.79
	8H	24.58	24.94	25.56	25.93	27.19	24.42	24.79	25.41	25.78	27.03
	12H	24.76	25.08	25.75	26.07	27.37	24.57	24.89	25.56	25.88	27.18
12H	4H	23.57	24.03	24.55	25.01	26.25	23.48	23.93	24.45	24.91	26.16
	6H	24.32	24.69	25.31	25.68	26.93	24.20	24.56	25.18	25.55	26.81
	8H	24.66	24.98	25.65	25.97	27.27	24.51	24.83	25.50	25.82	27.12