

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: P1427898

Luminaire Tested: SQ2W-PH1-K-075U-075D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427898
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PH1-K-075U-075D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE HEX 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

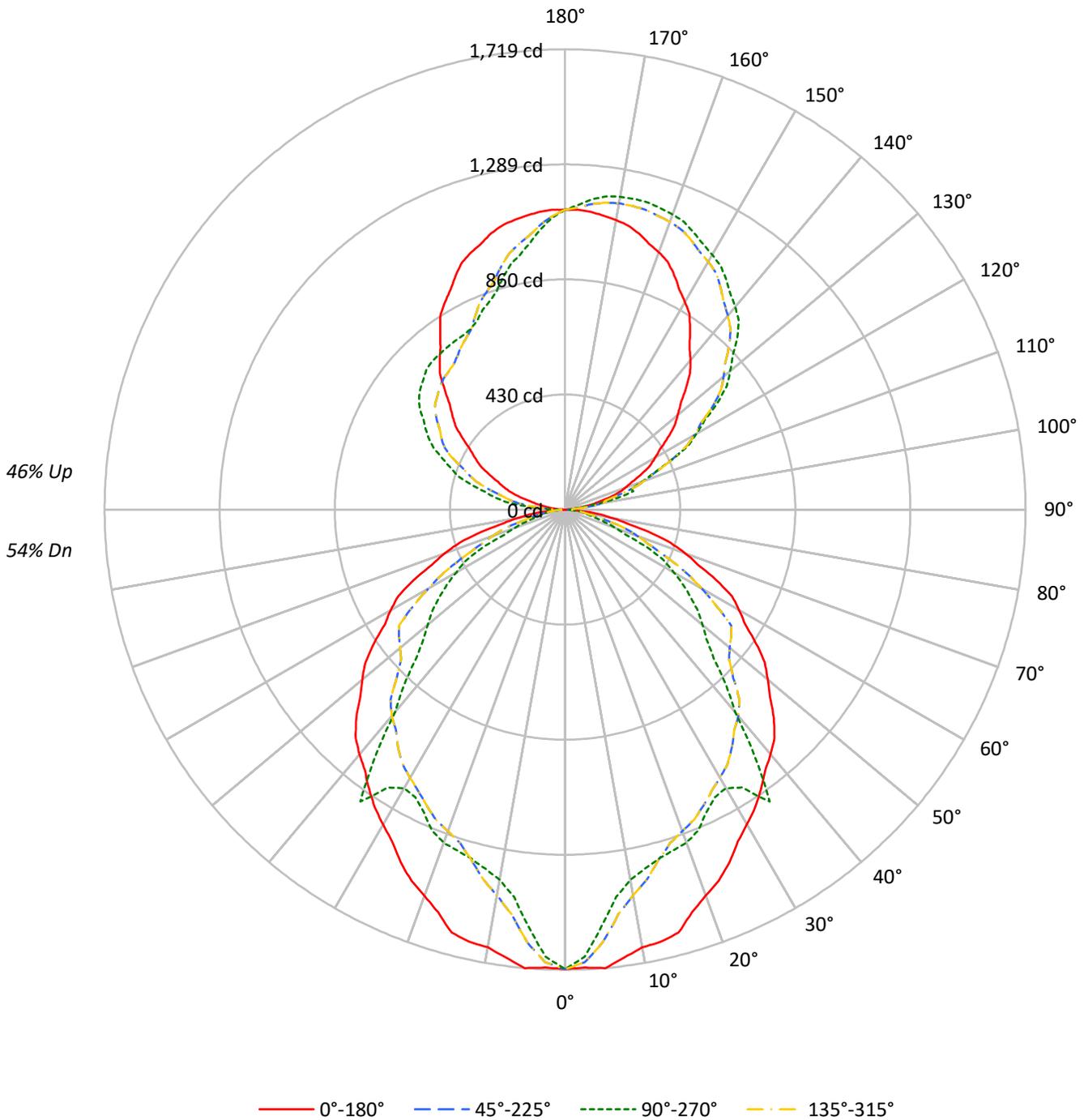
Lumens per Lamp: N/A
Luminaire Lumens: 7066.2 lumens
Efficiency: N/A
Efficacy: 140.5 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 50.3
Input Voltage (V): 120
Input Current (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	108	108	108	108	100	100	100	100	85	85	85	72	72	72	60	60	60	54				
1	99	95	91	87	92	88	85	82	75	73	71	64	62	60	53	52	51	46				
2	90	83	77	72	83	77	72	67	66	62	59	56	53	51	47	45	43	39				
3	82	73	66	60	76	68	61	56	58	54	50	50	46	43	42	39	37	33				
4	75	65	57	51	70	60	53	48	52	47	42	44	40	37	37	34	32	28				
5	69	58	49	43	64	54	47	41	47	41	37	40	35	32	34	30	28	25				
6	64	52	44	38	59	48	41	36	42	36	32	36	32	28	30	27	24	22				
7	59	47	39	33	55	44	37	31	38	32	28	33	28	25	28	24	22	19				
8	55	42	35	29	51	40	33	28	35	29	25	30	26	22	26	22	19	17				
9	51	39	31	26	47	36	30	25	32	26	22	28	23	20	24	20	18	15				
10	48	36	28	24	44	33	27	22	29	24	20	26	21	18	22	18	16	14				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	27703	27703	27703	27703
5°	27860	25321	27860	25321
10°	27220	23018	27220	23018
15°	27343	22567	27343	22567
20°	26367	22749	26367	22749
25°	25883	22218	25883	22218
30°	25323	22400	25323	22400
35°	25130	26256	25130	26256
40°	25153	20817	25153	20817
45°	25160	17929	25160	17929
50°	24809	16811	24809	16811
55°	24492	16129	24492	16129
60°	24251	15128	24251	15128
65°	23824	13161	23824	13161
70°	22503	9404	22503	9404
75°	20062	7130	20062	7130
80°	16392	6676	16392	6676
85°	10281	4539	10281	4539

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 25160 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.0	2.1
10°-20°	397.1	5.6
20°-30°	582.2	8.2
30°-40°	705.0	10.0
40°-50°	693.2	9.8
50°-60°	603.0	8.5
60°-70°	419.4	5.9
70°-80°	198.9	2.8
80°-90°	48.5	0.7
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°	1130.3	16.0
0°-40°	1835.3	26.0
0°-60°	3131.6	44.3
0°-90°	3798.4	53.8
90°-120°	772.7	10.9
90°-150°	2423.6	34.3
90°-180°	3268.0	46.2
0°-180°	7066.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1716	1716	1716	1716	1716	
5°	1719	1562	1719	1562	1719	162
15°	1636	1350	1636	1350	1636	456
25°	1453	1247	1453	1247	1453	668
35°	1275	1332	1275	1332	1275	799
45°	1102	785	1102	785	1102	847
55°	870	573	870	573	870	777
65°	624	344	624	344	624	613
75°	322	114	322	114	322	341
85°	56	24	56	24	56	74
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°	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8
2.5°	1711.9	1720.0	1728.1	1716.6	1698.6	1686.2	1679.2	1673.7	1672.5	1671.4	1672.5
5°	1719.0	1718.3	1717.6	1683.7	1638.7	1604.9	1582.5	1565.2	1563.8	1562.3	1563.8
7.5°	1687.7	1665.2	1642.7	1597.1	1543.9	1504.9	1480.0	1461.1	1460.0	1458.8	1460.0
10°	1660.3	1626.2	1592.1	1540.5	1483.2	1443.3	1420.8	1404.0	1404.0	1404.0	1404.0
12.5°	1653.7	1599.9	1546.1	1489.6	1432.3	1395.3	1378.6	1367.0	1370.4	1373.9	1370.4
15°	1635.8	1554.5	1473.3	1415.9	1366.6	1339.8	1335.4	1334.1	1342.1	1350.1	1342.1
17.5°	1576.4	1488.9	1401.4	1351.0	1312.9	1298.6	1307.9	1317.1	1326.4	1335.7	1326.4
20°	1534.6	1448.2	1361.9	1315.3	1281.9	1273.9	1291.3	1306.6	1315.3	1324.0	1315.3
22.5°	1499.3	1411.8	1324.3	1283.0	1257.2	1253.9	1273.0	1288.6	1293.2	1297.8	1293.2
25°	1452.9	1354.3	1255.6	1225.5	1218.2	1222.9	1239.6	1251.6	1249.4	1247.2	1249.4
27.5°	1397.4	1294.4	1191.4	1172.0	1180.6	1190.0	1200.1	1208.1	1209.4	1210.7	1209.4
30°	1358.3	1255.2	1152.2	1136.8	1150.6	1162.5	1172.7	1182.7	1192.1	1201.5	1192.1
32.5°	1320.4	1213.9	1107.4	1096.3	1117.0	1139.5	1163.5	1187.0	1208.6	1230.3	1208.6
35°	1275.0	1164.0	1053.0	1044.3	1069.7	1102.3	1142.2	1189.9	1261.0	1332.1	1261.0
37.5°	1227.3	1108.3	989.3	985.4	1019.8	1054.2	1088.6	1120.0	1142.7	1165.3	1142.7
40°	1193.4	1068.6	943.8	943.6	985.0	1027.8	1072.0	1092.2	1039.9	987.7	1039.9
42.5°	1156.8	1032.0	907.2	903.5	940.3	987.4	1045.0	1066.2	977.9	889.7	977.9
45°	1101.9	972.1	842.2	837.5	874.5	900.6	915.8	911.5	848.4	785.2	848.4
47.5°	1037.3	913.5	789.7	788.7	828.6	831.5	797.4	765.7	741.0	716.3	741.0
50°	987.7	870.9	754.0	759.1	804.8	800.5	746.1	701.3	685.3	669.3	685.3
52.5°	939.3	828.3	717.3	730.8	785.8	777.1	704.7	647.7	637.0	626.2	637.0
55°	870.1	763.5	656.8	687.3	763.5	751.9	652.5	577.4	575.2	573.0	575.2
57.5°	796.7	695.8	595.0	616.1	677.9	665.7	579.5	515.8	519.6	523.4	519.6
60°	751.0	653.0	555.1	557.8	594.1	582.4	522.9	477.2	472.9	468.5	472.9
62.5°	702.6	609.3	516.0	502.5	515.5	501.9	461.6	430.2	425.9	421.5	425.9
65°	623.6	538.7	453.8	428.3	422.5	402.9	369.5	344.5	344.5	344.5	344.5
67.5°	536.8	462.8	388.8	360.1	346.6	327.2	301.8	278.4	261.0	243.6	261.0
70°	476.7	411.4	346.1	316.2	298.0	274.8	246.5	222.4	210.8	199.2	210.8
72.5°	412.7	356.7	300.7	270.0	247.8	225.2	202.1	181.5	168.1	154.8	168.1
75°	321.6	276.6	231.6	201.9	177.2	154.4	133.3	117.2	115.7	114.3	115.7
77.5°	232.5	199.7	166.9	142.8	121.6	105.7	95.1	87.2	87.4	87.5	87.4
80°	176.3	151.6	127.0	104.5	82.7	71.5	70.7	70.4	71.1	71.8	71.1
82.5°	124.1	105.8	87.5	73.1	60.1	54.1	55.1	55.9	56.0	56.2	56.0
85°	55.5	46.8	38.1	34.8	33.4	31.2	28.3	25.9	25.2	24.5	25.2
87.5°	12.4	12.8	13.3	12.8	11.7	11.1	11.1	11.3	11.5	11.5	11.5
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°	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8
2.5°	1673.7	1679.2	1686.2	1698.6	1716.6	1728.1	1720.0	1711.9	1720.0	1728.1	1716.6
5°	1565.2	1582.5	1604.9	1638.7	1683.7	1717.6	1718.3	1719.0	1718.3	1717.6	1683.7
7.5°	1461.1	1480.0	1504.9	1543.9	1597.1	1642.7	1665.2	1687.7	1665.2	1642.7	1597.1
10°	1404.0	1420.8	1443.3	1483.2	1540.5	1592.1	1626.2	1660.3	1626.2	1592.1	1540.5
12.5°	1367.0	1378.6	1395.3	1432.3	1489.6	1546.1	1599.9	1653.7	1599.9	1546.1	1489.6
15°	1334.1	1335.4	1339.8	1366.6	1415.9	1473.3	1554.5	1635.8	1554.5	1473.3	1415.9
17.5°	1317.1	1307.9	1298.6	1312.9	1351.0	1401.4	1488.9	1576.4	1488.9	1401.4	1351.0
20°	1306.6	1291.3	1273.9	1281.9	1315.3	1361.9	1448.2	1534.6	1448.2	1361.9	1315.3
22.5°	1288.6	1273.0	1253.9	1257.2	1283.0	1324.3	1411.8	1499.3	1411.8	1324.3	1283.0
25°	1251.6	1239.6	1222.9	1218.2	1225.5	1255.6	1354.3	1452.9	1354.3	1255.6	1225.5
27.5°	1208.1	1200.1	1190.0	1180.6	1172.0	1191.4	1294.4	1397.4	1294.4	1191.4	1172.0
30°	1182.7	1172.7	1162.5	1150.6	1136.8	1152.2	1255.2	1358.3	1255.2	1152.2	1136.8
32.5°	1187.0	1163.5	1139.5	1117.0	1096.3	1107.4	1213.9	1320.4	1213.9	1107.4	1096.3
35°	1189.9	1142.2	1102.3	1069.7	1044.3	1053.0	1164.0	1275.0	1164.0	1053.0	1044.3
37.5°	1120.0	1088.6	1054.2	1019.8	985.4	989.3	1108.3	1227.3	1108.3	989.3	985.4
40°	1092.2	1072.0	1027.8	985.0	943.6	943.8	1068.6	1193.4	1068.6	943.8	943.6
42.5°	1066.2	1045.0	987.4	940.3	903.5	907.2	1032.0	1156.8	1032.0	907.2	903.5
45°	911.5	915.8	900.6	874.5	837.5	842.2	972.1	1101.9	972.1	842.2	837.5
47.5°	765.7	797.4	831.5	828.6	788.7	789.7	913.5	1037.3	913.5	789.7	788.7
50°	701.3	746.1	800.5	804.8	759.1	754.0	870.9	987.7	870.9	754.0	759.1
52.5°	647.7	704.7	777.1	785.8	730.8	717.3	828.3	939.3	828.3	717.3	730.8
55°	577.4	652.5	751.9	763.5	687.3	656.8	763.5	870.1	763.5	656.8	687.3
57.5°	515.8	579.5	665.7	677.9	616.1	595.0	695.8	796.7	695.8	595.0	616.1
60°	477.2	522.9	582.4	594.1	557.8	555.1	653.0	751.0	653.0	555.1	557.8
62.5°	430.2	461.6	501.9	515.5	502.5	516.0	609.3	702.6	609.3	516.0	502.5
65°	344.5	369.5	402.9	422.5	428.3	453.8	538.7	623.6	538.7	453.8	428.3
67.5°	278.4	301.8	327.2	346.6	360.1	388.8	462.8	536.8	462.8	388.8	360.1
70°	222.4	246.5	274.8	298.0	316.2	346.1	411.4	476.7	411.4	346.1	316.2
72.5°	181.5	202.1	225.2	247.8	270.0	300.7	356.7	412.7	356.7	300.7	270.0
75°	117.2	133.3	154.4	177.2	201.9	231.6	276.6	321.6	276.6	231.6	201.9
77.5°	87.2	95.1	105.7	121.6	142.8	166.9	199.7	232.5	199.7	166.9	142.8
80°	70.4	70.7	71.5	82.7	104.5	127.0	151.6	176.3	151.6	127.0	104.5
82.5°	55.9	55.1	54.1	60.1	73.1	87.5	105.8	124.1	105.8	87.5	73.1
85°	25.9	28.3	31.2	33.4	34.8	38.1	46.8	55.5	46.8	38.1	34.8
87.5°	11.3	11.1	11.1	11.7	12.8	13.3	12.8	12.4	12.8	13.1	13.2
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: P1427898

CATALOG NUMBER: SQ2W-PH1-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: P1427898

CATALOG NUMBER: SQ2W-PH1-K-075U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8	1715.8
2.5°	1698.6	1686.2	1679.2	1673.7	1672.5	1671.4	1672.5	1673.7	1679.2	1686.2	1698.6
5°	1638.7	1604.9	1582.5	1565.2	1563.8	1562.3	1563.8	1565.2	1582.5	1604.9	1638.7
7.5°	1543.9	1504.9	1480.0	1461.1	1460.0	1458.8	1460.0	1461.1	1480.0	1504.9	1543.9
10°	1483.2	1443.3	1420.8	1404.0	1404.0	1404.0	1404.0	1404.0	1420.8	1443.3	1483.2
12.5°	1432.3	1395.3	1378.6	1367.0	1370.4	1373.9	1370.4	1367.0	1378.6	1395.3	1432.3
15°	1366.6	1339.8	1335.4	1334.1	1342.1	1350.1	1342.1	1334.1	1335.4	1339.8	1366.6
17.5°	1312.9	1298.6	1307.9	1317.1	1326.4	1335.7	1326.4	1317.1	1307.9	1298.6	1312.9
20°	1281.9	1273.9	1291.3	1306.6	1315.3	1324.0	1315.3	1306.6	1291.3	1273.9	1281.9
22.5°	1257.2	1253.9	1273.0	1288.6	1293.2	1297.8	1293.2	1288.6	1273.0	1253.9	1257.2
25°	1218.2	1222.9	1239.6	1251.6	1249.4	1247.2	1249.4	1251.6	1239.6	1222.9	1218.2
27.5°	1180.6	1190.0	1200.1	1208.1	1209.4	1210.7	1209.4	1208.1	1200.1	1190.0	1180.6
30°	1150.6	1162.5	1172.7	1182.7	1192.1	1201.5	1192.1	1182.7	1172.7	1162.5	1150.6
32.5°	1117.0	1139.5	1163.5	1187.0	1208.6	1230.3	1208.6	1187.0	1163.5	1139.5	1117.0
35°	1069.7	1102.3	1142.2	1189.9	1261.0	1332.1	1261.0	1189.9	1142.2	1102.3	1069.7
37.5°	1019.8	1054.2	1088.6	1120.0	1142.7	1165.3	1142.7	1120.0	1088.6	1054.2	1019.8
40°	985.0	1027.8	1072.0	1092.2	1039.9	987.7	1039.9	1092.2	1072.0	1027.8	985.0
42.5°	940.3	987.4	1045.0	1066.2	977.9	889.7	977.9	1066.2	1045.0	987.4	940.3
45°	874.5	900.6	915.8	911.5	848.4	785.2	848.4	911.5	915.8	900.6	874.5
47.5°	828.6	831.5	797.4	765.7	741.0	716.3	741.0	765.7	797.4	831.5	828.6
50°	804.8	800.5	746.1	701.3	685.3	669.3	685.3	701.3	746.1	800.5	804.8
52.5°	785.8	777.1	704.7	647.7	637.0	626.2	637.0	647.7	704.7	777.1	785.8
55°	763.5	751.9	652.5	577.4	575.2	573.0	575.2	577.4	652.5	751.9	763.5
57.5°	677.9	665.7	579.5	515.8	519.6	523.4	519.6	515.8	579.5	665.7	677.9
60°	594.1	582.4	522.9	477.2	472.9	468.5	472.9	477.2	522.9	582.4	594.1
62.5°	515.5	501.9	461.6	430.2	425.9	421.5	425.9	430.2	461.6	501.9	515.5
65°	422.5	402.9	369.5	344.5	344.5	344.5	344.5	344.5	369.5	402.9	422.5
67.5°	346.6	327.2	301.8	278.4	261.0	243.6	261.0	278.4	301.8	327.2	346.6
70°	298.0	274.8	246.5	222.4	210.8	199.2	210.8	222.4	246.5	274.8	298.0
72.5°	247.8	225.2	202.1	181.5	168.1	154.8	168.1	181.5	202.1	225.2	247.8
75°	177.2	154.4	133.3	117.2	115.7	114.3	115.7	117.2	133.3	154.4	177.2
77.5°	121.6	105.7	95.1	87.2	87.4	87.5	87.4	87.2	95.1	105.7	121.6
80°	82.7	71.5	70.7	70.4	71.1	71.8	71.1	70.4	70.7	71.5	82.7
82.5°	60.1	54.1	55.1	55.9	56.0	56.2	56.0	55.9	55.1	54.1	60.1
85°	33.4	31.2	28.3	25.9	25.2	24.5	25.2	25.9	28.3	31.2	33.4
87.5°	12.6	13.3	14.9	15.8	16.7	16.3	16.7	15.8	14.9	13.3	12.6
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: P1427898

CATALOG NUMBER: SQ2W-PH1-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: P1427898

CATALOG NUMBER: SQ2W-PH1-K-075U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1715.8	1715.8	1715.8	1715.8
2.5°	1716.6	1728.1	1720.0	1711.9
5°	1683.7	1717.6	1718.3	1719.0
7.5°	1597.1	1642.7	1665.2	1687.7
10°	1540.5	1592.1	1626.2	1660.3
12.5°	1489.6	1546.1	1599.9	1653.7
15°	1415.9	1473.3	1554.5	1635.8
17.5°	1351.0	1401.4	1488.9	1576.4
20°	1315.3	1361.9	1448.2	1534.6
22.5°	1283.0	1324.3	1411.8	1499.3
25°	1225.5	1255.6	1354.3	1452.9
27.5°	1172.0	1191.4	1294.4	1397.4
30°	1136.8	1152.2	1255.2	1358.3
32.5°	1096.3	1107.4	1213.9	1320.4
35°	1044.3	1053.0	1164.0	1275.0
37.5°	985.4	989.3	1108.3	1227.3
40°	943.6	943.8	1068.6	1193.4
42.5°	903.5	907.2	1032.0	1156.8
45°	837.5	842.2	972.1	1101.9
47.5°	788.7	789.7	913.5	1037.3
50°	759.1	754.0	870.9	987.7
52.5°	730.8	717.3	828.3	939.3
55°	687.3	656.8	763.5	870.1
57.5°	616.1	595.0	695.8	796.7
60°	557.8	555.1	653.0	751.0
62.5°	502.5	516.0	609.3	702.6
65°	428.3	453.8	538.7	623.6
67.5°	360.1	388.8	462.8	536.8
70°	316.2	346.1	411.4	476.7
72.5°	270.0	300.7	356.7	412.7
75°	201.9	231.6	276.6	321.6
77.5°	142.8	166.9	199.7	232.5
80°	104.5	127.0	151.6	176.3
82.5°	73.1	87.5	105.8	124.1
85°	34.8	38.1	46.8	55.5
87.5°	13.2	13.1	12.8	12.4
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: P1427898

CATALOG NUMBER: SQ2W-PH1-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: P1427898
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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	18.76	19.65	19.68	20.59	21.81	17.58	18.47	18.51	19.42	20.63
	3H	20.93	21.73	21.87	22.68	23.92	18.64	19.43	19.58	20.38	21.63
	4H	21.75	22.50	22.70	23.46	24.71	18.88	19.63	19.84	20.59	21.84
	6H	22.22	22.91	23.18	23.87	25.13	19.03	19.72	19.99	20.68	21.94
	8H	22.37	23.03	23.34	24.01	25.27	19.09	19.74	20.06	20.72	21.98
	12H	22.43	23.06	23.41	24.03	25.31	19.10	19.72	20.07	20.70	21.98
4H	2H	19.20	19.95	20.15	20.90	22.15	18.27	19.02	19.23	19.98	21.23
	3H	21.45	22.08	22.42	23.06	24.33	19.50	20.13	20.47	21.12	22.38
	4H	22.32	22.89	23.30	23.88	25.16	19.80	20.37	20.78	21.35	22.64
	6H	22.89	23.38	23.88	24.38	25.67	20.00	20.49	20.99	21.49	22.78
	8H	23.09	23.55	24.08	24.54	25.85	20.09	20.55	21.08	21.54	22.85
	12H	23.17	23.59	24.18	24.60	25.91	20.11	20.53	21.12	21.54	22.85
8H	4H	22.35	22.81	23.34	23.80	25.11	20.03	20.49	21.02	21.48	22.79
	6H	22.98	23.36	24.00	24.40	25.70	20.30	20.68	21.31	21.72	23.01
	8H	23.24	23.58	24.27	24.60	25.92	20.44	20.78	21.47	21.80	23.12
	12H	23.38	23.67	24.40	24.69	26.05	20.51	20.80	21.54	21.82	23.19
12H	4H	22.30	22.72	23.31	23.73	25.04	20.03	20.44	21.04	21.45	22.76
	6H	22.96	23.29	23.98	24.32	25.63	20.33	20.67	21.36	21.69	23.01
	8H	23.23	23.52	24.26	24.54	25.91	20.50	20.79	21.53	21.81	23.17