

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: P1428260

Luminaire Tested: SQ2W-PR1-K-100U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428260
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-100U-075D-L930-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 1000 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

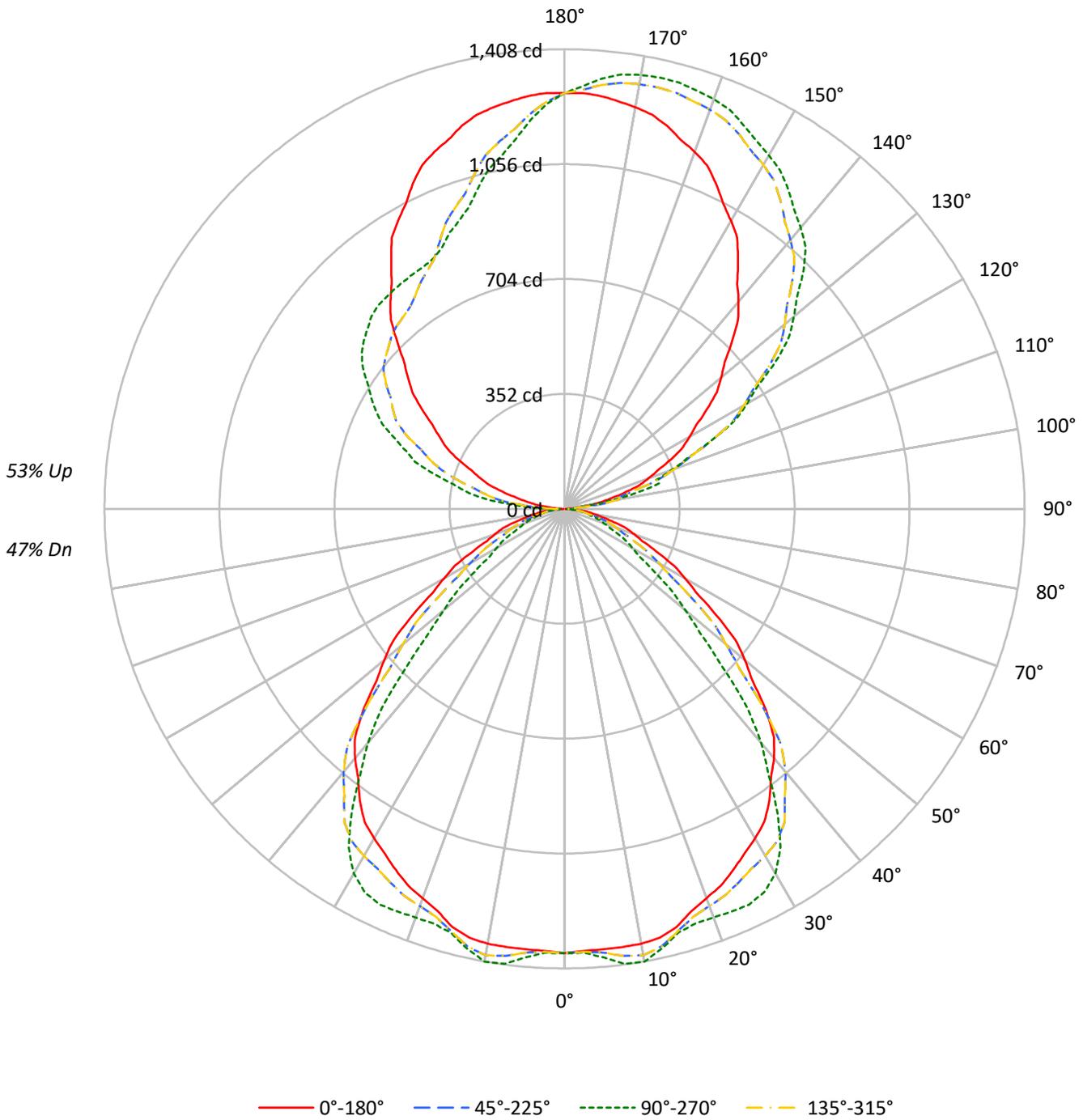
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6998.4 lumens
Efficiency: N/A
Efficacy: 117.0 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): 59.8
Input Voltage (V): 120
Input Current (A_{in}): 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





TEST NUMBER: P1428260

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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	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53	47				47
1	98	94	90	87	90	86	83	80	72	70	68	60	58	57	48	47	46				41	
2	89	82	77	72	82	76	71	67	64	60	57	53	51	48	43	41	40				35	
3	82	73	66	60	75	67	61	56	57	52	49	47	44	41	38	36	34				30	
4	75	65	57	51	69	60	53	48	51	46	42	43	39	36	35	32	30				26	
5	69	58	50	44	63	54	47	42	46	41	36	38	34	31	31	29	26				23	
6	64	52	44	39	59	48	41	36	41	36	32	35	31	28	29	26	23				21	
7	59	47	39	34	54	44	37	32	38	32	28	32	28	25	26	23	21				18	
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	24	21	19				16	
9	51	39	32	27	47	36	30	25	31	26	23	27	23	20	22	19	17				15	
10	48	36	29	24	44	34	27	23	29	24	20	25	21	18	21	18	16				14	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	21976	21976	21976	21976
5°	21948	22351	21948	22351
10°	22179	23089	22179	23089
15°	22171	22473	22171	22473
20°	21812	22886	21812	22886
25°	21752	23827	21752	23827
30°	21729	24055	21729	24055
35°	21521	22397	21521	22397
40°	21026	19711	21026	19711
45°	19895	15586	19895	15586
50°	18087	12094	18087	12094
55°	15896	9413	15896	9413
60°	13756	7750	13756	7750
65°	11874	6785	11874	6785
70°	10678	6024	10678	6024
75°	9781	5539	9781	5539
80°	8517	5421	8517	5421
85°	6169	2575	6169	2575

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 21361 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.4	1.9
10°-20°	380.5	5.4
20°-30°	588.2	8.4
30°-40°	707.4	10.1
40°-50°	635.2	9.1
50°-60°	425.6	6.1
60°-70°	247.6	3.5
70°-80°	127.2	1.8
80°-90°	36.6	0.5
90°-100°	101.4	1.4
100°-110°	295.6	4.2
110°-120°	482.4	6.9
120°-130°	612.1	8.7
130°-140°	655.0	9.4
140°-150°	611.6	8.7
150°-160°	503.3	7.2
160°-170°	337.5	4.8
170°-180°	119.8	1.7
0°-30°	1100.2	15.7
0°-40°	1807.6	25.8
0°-60°	2868.4	41.0
0°-90°	3279.8	46.9
90°-120°	879.3	12.6
90°-150°	2758.0	39.4
90°-180°	3719.0	53.1
0°-180°	6998.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1361	1361	1361	1361	1361	
5°	1354	1379	1354	1379	1354	129
15°	1326	1344	1326	1344	1326	372
25°	1221	1338	1221	1338	1221	563
35°	1092	1136	1092	1136	1092	681
45°	871	683	871	683	871	667
55°	565	334	565	334	565	507
65°	311	178	311	178	311	314
75°	157	89	157	89	157	166
85°	33	14	33	14	33	41
90°	4	28	4	55	4	4
95°	40	30	40	174	40	48
105°	188	301	188	414	188	200
115°	360	499	360	615	360	355
125°	533	791	533	754	533	477
135°	724	1036	724	835	724	560
145°	925	1194	925	853	925	579
155°	1099	1297	1099	885	1099	505
165°	1214	1352	1214	1019	1214	342
175°	1270	1324	1270	1195	1270	120
180°	1274	1274	1274	1274	1274	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1
2.5°	1355.6	1363.0	1370.4	1367.0	1360.1	1356.9	1357.4	1358.1	1359.6	1361.1	1359.6
5°	1354.2	1364.7	1375.1	1372.7	1365.9	1363.1	1364.3	1366.8	1373.0	1379.1	1373.0
7.5°	1353.9	1368.8	1383.7	1384.9	1381.4	1381.5	1385.1	1389.8	1397.9	1406.1	1397.9
10°	1352.8	1370.7	1388.5	1391.2	1388.7	1387.8	1388.4	1391.0	1399.6	1408.3	1399.6
12.5°	1346.1	1367.0	1387.8	1385.6	1375.8	1370.4	1369.5	1370.0	1374.7	1379.4	1374.7
15°	1326.4	1351.1	1375.8	1365.7	1344.2	1334.3	1336.1	1338.3	1341.4	1344.5	1341.4
17.5°	1291.7	1317.5	1343.3	1334.3	1313.7	1306.7	1313.4	1319.9	1325.9	1332.0	1325.9
20°	1269.5	1294.8	1320.1	1313.9	1297.3	1293.3	1301.9	1311.0	1321.5	1332.0	1321.5
22.5°	1249.6	1274.8	1300.1	1296.2	1282.5	1281.7	1293.8	1306.4	1320.9	1335.3	1320.9
25°	1221.0	1243.2	1265.4	1265.8	1259.1	1265.8	1286.2	1305.5	1321.5	1337.5	1321.5
27.5°	1191.0	1204.1	1217.2	1225.8	1232.9	1250.3	1277.8	1301.2	1312.4	1323.6	1312.4
30°	1165.5	1174.1	1182.7	1198.8	1217.3	1238.5	1262.6	1281.7	1286.0	1290.3	1286.0
32.5°	1137.7	1142.9	1148.1	1170.7	1199.0	1219.6	1232.3	1240.4	1234.8	1229.3	1234.8
35°	1091.9	1096.3	1100.6	1129.4	1166.4	1180.0	1170.1	1159.8	1148.1	1136.3	1148.1
37.5°	1037.6	1046.4	1055.3	1078.8	1107.2	1106.9	1078.1	1053.1	1039.6	1026.2	1039.6
40°	997.6	1012.4	1027.2	1042.9	1058.9	1045.4	1002.2	966.0	950.6	935.2	950.6
42.5°	948.8	972.4	996.1	999.6	996.4	967.3	912.3	866.3	847.5	828.6	847.5
45°	871.3	903.4	935.5	917.1	882.0	834.5	774.7	724.6	703.6	682.6	703.6
47.5°	780.0	813.0	845.9	811.3	754.2	698.9	645.5	600.6	581.0	561.4	581.0
50°	720.1	746.6	773.1	734.0	672.9	617.4	567.5	524.6	503.0	481.5	503.0
52.5°	659.0	678.2	697.3	658.5	600.4	546.4	496.4	454.1	434.5	414.9	434.5
55°	564.7	574.6	584.4	548.5	497.3	448.0	400.5	361.5	347.9	334.4	347.9
57.5°	478.1	484.4	490.7	456.7	409.2	365.3	324.9	292.2	282.2	272.2	282.2
60°	426.0	430.3	434.6	400.1	352.6	313.1	281.7	256.1	248.0	240.0	248.0
62.5°	378.2	381.6	384.9	351.6	306.1	270.8	245.8	225.5	219.4	213.4	219.4
65°	310.8	313.9	317.0	288.6	249.7	220.8	201.6	186.2	181.9	177.6	181.9
67.5°	257.2	258.8	260.4	237.1	205.4	182.0	167.0	154.7	150.6	146.5	150.6
70°	226.2	226.8	227.4	206.7	179.0	158.3	144.8	133.8	130.7	127.6	130.7
72.5°	198.4	197.5	196.7	178.2	153.9	136.2	125.1	116.3	114.2	112.1	114.2
75°	156.8	154.9	153.1	137.8	118.1	104.5	97.1	91.3	90.0	88.8	90.0
77.5°	117.1	115.1	113.2	100.5	84.2	74.8	72.3	70.5	70.5	70.5	70.5
80°	91.6	89.1	86.6	76.8	64.4	58.3	58.3	58.3	58.3	58.3	58.3
82.5°	68.3	64.8	61.4	55.3	48.4	45.0	45.0	44.8	44.3	43.8	44.3
85°	33.3	30.2	27.1	26.4	26.4	24.5	20.8	17.6	15.7	13.9	15.7
87.5°	9.7	10.7	12.0	11.1	9.5	8.5	8.5	8.7	9.0	9.0	9.0
90°	3.9	9.0	15.4	20.6	24.4	25.7	25.7	27.0	28.3	28.3	28.3
92.5°	14.2	22.4	22.6	22.6	27.5	29.8	31.9	32.2	33.4	33.4	33.4
95°	39.9	43.7	65.6	64.3	43.7	34.7	29.6	29.6	29.6	29.6	29.6
97.5°	76.2	81.8	85.4	114.5	120.9	116.8	95.2	80.0	71.5	67.7	71.5
100°	108.1	110.6	118.4	119.6	151.8	182.7	167.2	147.9	141.5	137.6	141.5
102.5°	140.0	141.5	153.3	158.7	166.2	183.7	237.2	231.3	226.9	226.2	226.9
105°	187.8	189.1	211.0	221.3	226.4	226.4	225.1	250.9	292.0	301.0	292.0
107.5°	239.0	244.9	270.7	298.2	304.1	305.7	299.0	295.1	293.6	294.6	293.6
110°	274.0	283.0	313.9	348.6	357.6	360.2	357.6	353.8	351.2	351.2	351.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	308.0	321.1	356.1	396.0	411.1	418.9	413.2	410.4	407.8	409.9	407.8
115°	360.2	379.5	425.8	467.0	497.9	501.7	500.4	500.4	499.1	499.1	499.1
117.5°	408.6	439.5	491.4	539.3	575.0	585.3	590.5	588.9	587.4	590.0	587.4
120°	442.5	478.6	537.7	591.8	626.5	641.9	647.1	644.5	647.1	644.5	647.1
122.5°	478.6	522.8	581.0	637.0	678.0	695.5	701.6	702.1	702.7	701.1	702.7
125°	532.6	586.6	654.8	712.7	755.1	775.7	780.9	782.2	784.7	791.2	784.7
127.5°	587.1	648.4	723.2	779.1	822.6	847.5	855.5	858.3	863.7	866.6	863.7
130°	625.2	694.7	770.6	823.3	865.8	892.8	906.9	910.8	917.2	916.0	917.2
132.5°	665.4	737.9	814.8	869.6	909.0	938.1	950.2	961.2	963.5	965.4	963.5
135°	724.3	802.7	879.9	934.0	971.3	999.6	1015.0	1025.3	1031.7	1035.6	1031.7
137.5°	786.3	869.1	943.2	991.3	1028.9	1053.3	1070.8	1081.6	1088.3	1091.4	1088.3
140°	828.5	908.2	980.3	1030.4	1063.9	1088.3	1103.8	1116.6	1124.4	1124.4	1124.4
142.5°	868.6	947.3	1017.3	1067.5	1096.8	1119.2	1135.7	1145.5	1154.2	1154.2	1154.2
145°	925.0	1003.4	1067.8	1117.9	1142.4	1162.9	1181.0	1188.7	1193.8	1193.8	1193.8
147.5°	983.9	1053.3	1112.0	1160.1	1180.7	1204.9	1219.0	1225.2	1231.6	1228.8	1231.6
150°	1018.9	1083.2	1139.8	1184.8	1205.4	1228.6	1242.7	1247.9	1254.3	1250.4	1254.3
152.5°	1052.8	1114.1	1165.5	1207.5	1225.0	1248.1	1264.3	1269.5	1273.8	1271.0	1273.8
155°	1098.6	1152.7	1200.3	1238.8	1254.3	1276.2	1291.6	1298.0	1303.2	1296.7	1303.2
157.5°	1139.5	1186.1	1227.5	1263.0	1279.5	1298.3	1312.7	1320.7	1325.8	1323.0	1325.8
160°	1164.2	1206.7	1244.0	1277.4	1292.9	1309.6	1325.0	1334.0	1339.2	1335.3	1339.2
162.5°	1184.8	1223.2	1258.4	1288.8	1302.1	1316.8	1335.3	1343.3	1348.5	1343.6	1348.5
165°	1214.4	1245.3	1276.2	1301.9	1313.5	1325.0	1344.3	1353.3	1357.2	1352.1	1357.2
167.5°	1236.8	1260.5	1285.4	1307.5	1316.0	1327.4	1346.7	1354.1	1359.0	1352.6	1359.0
170°	1249.1	1269.7	1291.6	1309.6	1316.0	1326.3	1345.6	1352.1	1355.9	1349.5	1355.9
172.5°	1259.4	1274.9	1292.6	1308.6	1311.9	1320.2	1338.4	1344.9	1347.7	1342.3	1347.7
175°	1269.7	1278.7	1291.6	1301.9	1300.6	1305.7	1321.2	1326.3	1331.5	1323.8	1331.5
177.5°	1274.6	1278.7	1282.8	1289.0	1284.9	1284.9	1296.2	1299.3	1300.3	1296.2	1300.3
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1
2.5°	1358.1	1357.4	1356.9	1360.1	1367.0	1370.4	1363.0	1355.6	1363.0	1370.4	1367.0
5°	1366.8	1364.3	1363.1	1365.9	1372.7	1375.1	1364.7	1354.2	1364.7	1375.1	1372.7
7.5°	1389.8	1385.1	1381.5	1381.4	1384.9	1383.7	1368.8	1353.9	1368.8	1383.7	1384.9
10°	1391.0	1388.4	1387.8	1388.7	1391.2	1388.5	1370.7	1352.8	1370.7	1388.5	1391.2
12.5°	1370.0	1369.5	1370.4	1375.8	1385.6	1387.8	1367.0	1346.1	1367.0	1387.8	1385.6
15°	1338.3	1336.1	1334.3	1344.2	1365.7	1375.8	1351.1	1326.4	1351.1	1375.8	1365.7
17.5°	1319.9	1313.4	1306.7	1313.7	1334.3	1343.3	1317.5	1291.7	1317.5	1343.3	1334.3
20°	1311.0	1301.9	1293.3	1297.3	1313.9	1320.1	1294.8	1269.5	1294.8	1320.1	1313.9
22.5°	1306.4	1293.8	1281.7	1282.5	1296.2	1300.1	1274.8	1249.6	1274.8	1300.1	1296.2
25°	1305.5	1286.2	1265.8	1259.1	1265.8	1265.4	1243.2	1221.0	1243.2	1265.4	1265.8
27.5°	1301.2	1277.8	1250.3	1232.9	1225.8	1217.2	1204.1	1191.0	1204.1	1217.2	1225.8
30°	1281.7	1262.6	1238.5	1217.3	1198.8	1182.7	1174.1	1165.5	1174.1	1182.7	1198.8
32.5°	1240.4	1232.3	1219.6	1199.0	1170.7	1148.1	1142.9	1137.7	1142.9	1148.1	1170.7
35°	1159.8	1170.1	1180.0	1166.4	1129.4	1100.6	1096.3	1091.9	1096.3	1100.6	1129.4
37.5°	1053.1	1078.1	1106.9	1107.2	1078.8	1055.3	1046.4	1037.6	1046.4	1055.3	1078.8
40°	966.0	1002.2	1045.4	1058.9	1042.9	1027.2	1012.4	997.6	1012.4	1027.2	1042.9
42.5°	866.3	912.3	967.3	996.4	999.6	996.1	972.4	948.8	972.4	996.1	999.6
45°	724.6	774.7	834.5	882.0	917.1	935.5	903.4	871.3	903.4	935.5	917.1
47.5°	600.6	645.5	698.9	754.2	811.3	845.9	813.0	780.0	813.0	845.9	811.3
50°	524.6	567.5	617.4	672.9	734.0	773.1	746.6	720.1	746.6	773.1	734.0
52.5°	454.1	496.4	546.4	600.4	658.5	697.3	678.2	659.0	678.2	697.3	658.5
55°	361.5	400.5	448.0	497.3	548.5	584.4	574.6	564.7	574.6	584.4	548.5
57.5°	292.2	324.9	365.3	409.2	456.7	490.7	484.4	478.1	484.4	490.7	456.7
60°	256.1	281.7	313.1	352.6	400.1	434.6	430.3	426.0	430.3	434.6	400.1
62.5°	225.5	245.8	270.8	306.1	351.6	384.9	381.6	378.2	381.6	384.9	351.6
65°	186.2	201.6	220.8	249.7	288.6	317.0	313.9	310.8	313.9	317.0	288.6
67.5°	154.7	167.0	182.0	205.4	237.1	260.4	258.8	257.2	258.8	260.4	237.1
70°	133.8	144.8	158.3	179.0	206.7	227.4	226.8	226.2	226.8	227.4	206.7
72.5°	116.3	125.1	136.2	153.9	178.2	196.7	197.5	198.4	197.5	196.7	178.2
75°	91.3	97.1	104.5	118.1	137.8	153.1	154.9	156.8	154.9	153.1	137.8
77.5°	70.5	72.3	74.8	84.2	100.5	113.2	115.1	117.1	115.1	113.2	100.5
80°	58.3	58.3	58.3	64.4	76.8	86.6	89.1	91.6	89.1	86.6	76.8
82.5°	44.8	45.0	45.0	48.4	55.3	61.4	64.8	68.3	64.8	61.4	55.3
85°	17.6	20.8	24.5	26.4	26.4	27.1	30.2	33.3	30.2	27.1	26.4
87.5°	8.7	8.5	8.5	9.5	11.1	12.0	10.7	9.7	10.7	11.7	11.7
90°	27.0	25.7	25.7	24.4	20.6	15.4	9.0	3.9	9.0	14.2	23.2
92.5°	32.2	31.9	29.8	27.5	22.6	22.6	22.4	14.2	24.4	34.7	49.9
95°	29.6	29.6	34.7	43.7	64.3	65.6	43.7	39.9	56.6	79.8	100.3
97.5°	80.0	95.2	116.8	120.9	114.5	85.4	81.8	76.2	103.7	126.6	159.8
100°	147.9	167.2	182.7	151.8	119.6	118.4	110.6	108.1	137.6	159.5	191.7
102.5°	231.3	237.2	183.7	166.2	158.7	153.3	141.5	140.0	169.6	199.7	226.7
105°	250.9	225.1	226.4	226.4	221.3	211.0	189.1	187.8	221.3	256.0	289.5
107.5°	295.1	299.0	305.7	304.1	298.2	270.7	244.9	239.0	269.1	310.8	347.6
110°	353.8	357.6	360.2	357.6	348.6	313.9	283.0	274.0	301.0	344.8	384.6



TEST NUMBER: P1428260

CATALOG NUMBER: SQ2W-PR1-K-100U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	410.4	413.2	418.9	411.1	396.0	356.1	321.1	308.0	335.0	379.8	420.7
115°	500.4	500.4	501.7	497.9	467.0	425.8	379.5	360.2	383.4	424.5	469.6
117.5°	588.9	590.5	585.3	575.0	539.3	491.4	439.5	408.6	426.8	470.3	516.6
120°	644.5	647.1	641.9	626.5	591.8	537.7	478.6	442.5	456.7	499.1	545.5
122.5°	702.1	701.6	695.5	678.0	637.0	581.0	522.8	478.6	484.5	523.8	569.1
125°	782.2	780.9	775.7	755.1	712.7	654.8	586.6	532.6	524.9	558.3	604.6
127.5°	858.3	855.5	847.5	822.6	779.1	723.2	648.4	587.1	569.9	591.0	633.4
130°	910.8	906.9	892.8	865.8	823.3	770.6	694.7	625.2	600.8	613.6	650.9
132.5°	961.2	950.2	938.1	909.0	869.6	814.8	737.9	665.4	631.6	637.3	666.4
135°	1025.3	1015.0	999.6	971.3	934.0	879.9	802.7	724.3	678.0	672.8	689.5
137.5°	1081.6	1070.8	1053.3	1028.9	991.3	943.2	869.1	786.3	727.9	710.6	717.1
140°	1116.6	1103.8	1088.3	1063.9	1030.4	980.3	908.2	828.5	762.9	738.4	734.6
142.5°	1145.5	1135.7	1119.2	1096.8	1067.5	1017.3	947.3	868.6	798.9	767.2	758.2
145°	1188.7	1181.0	1162.9	1142.4	1117.9	1067.8	1003.4	925.0	855.5	814.3	795.0
147.5°	1225.2	1219.0	1204.9	1180.7	1160.1	1112.0	1053.3	983.9	912.6	861.7	836.7
150°	1247.9	1242.7	1228.6	1205.4	1184.8	1139.8	1083.2	1018.9	950.7	896.7	864.5
152.5°	1269.5	1264.3	1248.1	1225.0	1207.5	1165.5	1114.1	1052.8	983.6	929.6	896.4
155°	1298.0	1291.6	1276.2	1254.3	1238.8	1200.3	1152.7	1098.6	1039.4	982.8	945.5
157.5°	1320.7	1312.7	1298.3	1279.5	1263.0	1227.5	1186.1	1139.5	1087.8	1033.8	995.7
160°	1334.0	1325.0	1309.6	1292.9	1277.4	1244.0	1206.7	1164.2	1116.6	1067.8	1026.6
162.5°	1343.3	1335.3	1316.8	1302.1	1288.8	1258.4	1223.2	1184.8	1142.4	1099.7	1061.6
165°	1353.3	1344.3	1325.0	1313.5	1301.9	1276.2	1245.3	1214.4	1178.4	1143.7	1112.8
167.5°	1354.1	1346.7	1327.4	1316.0	1307.5	1285.4	1260.5	1236.8	1208.7	1181.5	1155.7
170°	1352.1	1345.6	1326.3	1316.0	1309.6	1291.6	1269.7	1249.1	1227.3	1204.1	1183.5
172.5°	1344.9	1338.4	1320.2	1311.9	1308.6	1292.6	1274.9	1259.4	1240.7	1223.7	1207.2
175°	1326.3	1321.2	1305.7	1300.6	1301.9	1291.6	1278.7	1269.7	1258.1	1247.9	1238.8
177.5°	1299.3	1296.2	1284.9	1284.9	1289.0	1282.8	1278.7	1274.6	1269.5	1266.4	1263.3
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1428260

CATALOG NUMBER: SQ2W-PR1-K-100U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1	1361.1
2.5°	1360.1	1356.9	1357.4	1358.1	1359.6	1361.1	1359.6	1358.1	1357.4	1356.9	1360.1
5°	1365.9	1363.1	1364.3	1366.8	1373.0	1379.1	1373.0	1366.8	1364.3	1363.1	1365.9
7.5°	1381.4	1381.5	1385.1	1389.8	1397.9	1406.1	1397.9	1389.8	1385.1	1381.5	1381.4
10°	1388.7	1387.8	1388.4	1391.0	1399.6	1408.3	1399.6	1391.0	1388.4	1387.8	1388.7
12.5°	1375.8	1370.4	1369.5	1370.0	1374.7	1379.4	1374.7	1370.0	1369.5	1370.4	1375.8
15°	1344.2	1334.3	1336.1	1338.3	1341.4	1344.5	1341.4	1338.3	1336.1	1334.3	1344.2
17.5°	1313.7	1306.7	1313.4	1319.9	1325.9	1332.0	1325.9	1319.9	1313.4	1306.7	1313.7
20°	1297.3	1293.3	1301.9	1311.0	1321.5	1332.0	1321.5	1311.0	1301.9	1293.3	1297.3
22.5°	1282.5	1281.7	1293.8	1306.4	1320.9	1335.3	1320.9	1306.4	1293.8	1281.7	1282.5
25°	1259.1	1265.8	1286.2	1305.5	1321.5	1337.5	1321.5	1305.5	1286.2	1265.8	1259.1
27.5°	1232.9	1250.3	1277.8	1301.2	1312.4	1323.6	1312.4	1301.2	1277.8	1250.3	1232.9
30°	1217.3	1238.5	1262.6	1281.7	1286.0	1290.3	1286.0	1281.7	1262.6	1238.5	1217.3
32.5°	1199.0	1219.6	1232.3	1240.4	1234.8	1229.3	1234.8	1240.4	1232.3	1219.6	1199.0
35°	1166.4	1180.0	1170.1	1159.8	1148.1	1136.3	1148.1	1159.8	1170.1	1180.0	1166.4
37.5°	1107.2	1106.9	1078.1	1053.1	1039.6	1026.2	1039.6	1053.1	1078.1	1106.9	1107.2
40°	1058.9	1045.4	1002.2	966.0	950.6	935.2	950.6	966.0	1002.2	1045.4	1058.9
42.5°	996.4	967.3	912.3	866.3	847.5	828.6	847.5	866.3	912.3	967.3	996.4
45°	882.0	834.5	774.7	724.6	703.6	682.6	703.6	724.6	774.7	834.5	882.0
47.5°	754.2	698.9	645.5	600.6	581.0	561.4	581.0	600.6	645.5	698.9	754.2
50°	672.9	617.4	567.5	524.6	503.0	481.5	503.0	524.6	567.5	617.4	672.9
52.5°	600.4	546.4	496.4	454.1	434.5	414.9	434.5	454.1	496.4	546.4	600.4
55°	497.3	448.0	400.5	361.5	347.9	334.4	347.9	361.5	400.5	448.0	497.3
57.5°	409.2	365.3	324.9	292.2	282.2	272.2	282.2	292.2	324.9	365.3	409.2
60°	352.6	313.1	281.7	256.1	248.0	240.0	248.0	256.1	281.7	313.1	352.6
62.5°	306.1	270.8	245.8	225.5	219.4	213.4	219.4	225.5	245.8	270.8	306.1
65°	249.7	220.8	201.6	186.2	181.9	177.6	181.9	186.2	201.6	220.8	249.7
67.5°	205.4	182.0	167.0	154.7	150.6	146.5	150.6	154.7	167.0	182.0	205.4
70°	179.0	158.3	144.8	133.8	130.7	127.6	130.7	133.8	144.8	158.3	179.0
72.5°	153.9	136.2	125.1	116.3	114.2	112.1	114.2	116.3	125.1	136.2	153.9
75°	118.1	104.5	97.1	91.3	90.0	88.8	90.0	91.3	97.1	104.5	118.1
77.5°	84.2	74.8	72.3	70.5	70.5	70.5	70.5	70.5	72.3	74.8	84.2
80°	64.4	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	64.4
82.5°	48.4	45.0	45.0	44.8	44.3	43.8	44.3	44.8	45.0	45.0	48.4
85°	26.4	24.5	20.8	17.6	15.7	13.9	15.7	17.6	20.8	24.5	26.4
87.5°	10.5	11.0	12.8	13.9	14.9	14.4	14.9	13.9	12.8	11.0	10.5
90°	29.6	38.6	47.6	52.7	57.9	55.3	57.9	52.7	47.6	38.6	29.6
92.5°	59.4	74.6	85.7	94.9	99.1	98.5	99.1	94.9	85.7	74.6	59.4
95°	119.6	137.6	155.7	168.5	176.2	173.7	176.2	168.5	155.7	137.6	119.6
97.5°	184.5	208.7	228.7	240.8	248.5	253.7	248.5	240.8	228.7	208.7	184.5
100°	227.7	250.9	274.0	288.2	301.0	306.2	301.0	288.2	274.0	250.9	227.7
102.5°	262.7	293.1	318.3	333.4	344.3	349.4	344.3	333.4	318.3	293.1	262.7
105°	320.3	352.5	379.5	398.8	410.4	414.2	410.4	398.8	379.5	352.5	320.3
107.5°	378.0	411.1	436.1	457.5	471.6	479.8	471.6	457.5	436.1	411.1	378.0
110°	423.2	450.3	477.3	496.6	510.7	515.9	510.7	496.6	477.3	450.3	423.2



TEST NUMBER: P1428260

CATALOG NUMBER: SQ2W-PR1-K-100U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	461.3	491.4	518.4	537.7	553.9	561.1	553.9	537.7	518.4	491.4	461.3
115°	514.6	554.5	578.9	596.9	608.5	614.9	608.5	596.9	578.9	554.5	514.6
117.5°	558.8	600.5	627.3	641.2	646.6	651.2	646.6	641.2	627.3	600.5	558.8
120°	586.6	625.2	656.1	674.1	680.5	683.1	680.5	674.1	656.1	625.2	586.6
122.5°	612.3	648.9	678.7	700.9	711.4	714.0	711.4	700.9	678.7	648.9	612.3
125°	648.4	683.1	714.0	735.8	747.4	753.9	747.4	735.8	714.0	683.1	648.4
127.5°	679.8	717.3	745.6	765.4	776.8	781.9	776.8	765.4	745.6	717.3	679.8
130°	697.3	735.8	764.1	786.0	796.3	801.5	796.3	786.0	764.1	735.8	697.3
132.5°	710.6	751.3	780.6	800.4	811.7	816.9	811.7	800.4	780.6	751.3	710.6
135°	726.8	769.3	800.2	819.5	829.8	834.9	829.8	819.5	800.2	769.3	726.8
137.5°	741.0	779.6	811.7	832.1	841.3	844.7	841.3	832.1	811.7	779.6	741.0
140°	751.3	784.7	816.9	836.2	846.5	847.8	846.5	836.2	816.9	784.7	751.3
142.5°	764.7	790.9	819.0	838.2	848.5	850.9	848.5	838.2	819.0	790.9	764.7
145°	788.6	804.0	823.3	841.3	850.3	852.9	850.3	841.3	823.3	804.0	788.6
147.5°	818.7	823.6	833.6	845.5	854.2	856.0	854.2	845.5	833.6	823.6	818.7
150°	841.3	840.1	843.9	851.6	859.3	858.1	859.3	851.6	843.9	840.1	841.3
152.5°	867.1	859.6	859.3	862.9	866.6	866.3	866.6	862.9	859.3	859.6	867.1
155°	910.8	896.7	888.9	886.4	886.4	885.1	886.4	886.4	888.9	896.7	910.8
157.5°	958.9	939.1	927.5	921.4	919.6	916.7	919.6	921.4	927.5	939.1	958.9
160°	991.9	970.0	958.4	948.1	944.3	940.4	944.3	948.1	958.4	970.0	991.9
162.5°	1022.7	1001.9	989.3	980.0	976.2	970.2	976.2	980.0	989.3	1001.9	1022.7
165°	1072.9	1051.0	1036.9	1029.2	1024.0	1018.9	1024.0	1029.2	1036.9	1051.0	1072.9
167.5°	1123.1	1099.1	1089.9	1081.1	1076.2	1067.0	1076.2	1081.1	1089.9	1099.1	1123.1
170°	1153.9	1132.1	1126.9	1119.2	1110.2	1099.9	1110.2	1119.2	1126.9	1132.1	1153.9
172.5°	1180.7	1166.0	1160.9	1153.2	1150.3	1142.1	1150.3	1153.2	1160.9	1166.0	1180.7
175°	1219.6	1208.0	1208.0	1206.7	1202.8	1195.1	1202.8	1206.7	1208.0	1208.0	1219.6
177.5°	1252.0	1245.8	1249.9	1249.9	1248.9	1241.7	1248.9	1249.9	1249.9	1245.8	1252.0
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1428260

CATALOG NUMBER: SQ2W-PR1-K-100U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1361.1	1361.1	1361.1	1361.1
2.5°	1367.0	1370.4	1363.0	1355.6
5°	1372.7	1375.1	1364.7	1354.2
7.5°	1384.9	1383.7	1368.8	1353.9
10°	1391.2	1388.5	1370.7	1352.8
12.5°	1385.6	1387.8	1367.0	1346.1
15°	1365.7	1375.8	1351.1	1326.4
17.5°	1334.3	1343.3	1317.5	1291.7
20°	1313.9	1320.1	1294.8	1269.5
22.5°	1296.2	1300.1	1274.8	1249.6
25°	1265.8	1265.4	1243.2	1221.0
27.5°	1225.8	1217.2	1204.1	1191.0
30°	1198.8	1182.7	1174.1	1165.5
32.5°	1170.7	1148.1	1142.9	1137.7
35°	1129.4	1100.6	1096.3	1091.9
37.5°	1078.8	1055.3	1046.4	1037.6
40°	1042.9	1027.2	1012.4	997.6
42.5°	999.6	996.1	972.4	948.8
45°	917.1	935.5	903.4	871.3
47.5°	811.3	845.9	813.0	780.0
50°	734.0	773.1	746.6	720.1
52.5°	658.5	697.3	678.2	659.0
55°	548.5	584.4	574.6	564.7
57.5°	456.7	490.7	484.4	478.1
60°	400.1	434.6	430.3	426.0
62.5°	351.6	384.9	381.6	378.2
65°	288.6	317.0	313.9	310.8
67.5°	237.1	260.4	258.8	257.2
70°	206.7	227.4	226.8	226.2
72.5°	178.2	196.7	197.5	198.4
75°	137.8	153.1	154.9	156.8
77.5°	100.5	113.2	115.1	117.1
80°	76.8	86.6	89.1	91.6
82.5°	55.3	61.4	64.8	68.3
85°	26.4	27.1	30.2	33.3
87.5°	11.7	11.7	10.7	9.7
90°	23.2	14.2	9.0	3.9
92.5°	49.9	34.7	24.4	14.2
95°	100.3	79.8	56.6	39.9
97.5°	159.8	126.6	103.7	76.2
100°	191.7	159.5	137.6	108.1
102.5°	226.7	199.7	169.6	140.0
105°	289.5	256.0	221.3	187.8
107.5°	347.6	310.8	269.1	239.0
110°	384.6	344.8	301.0	274.0



TEST NUMBER: P1428260

CATALOG NUMBER: SQ2W-PR1-K-100U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	420.7	379.8	335.0	308.0
115°	469.6	424.5	383.4	360.2
117.5°	516.6	470.3	426.8	408.6
120°	545.5	499.1	456.7	442.5
122.5°	569.1	523.8	484.5	478.6
125°	604.6	558.3	524.9	532.6
127.5°	633.4	591.0	569.9	587.1
130°	650.9	613.6	600.8	625.2
132.5°	666.4	637.3	631.6	665.4
135°	689.5	672.8	678.0	724.3
137.5°	717.1	710.6	727.9	786.3
140°	734.6	738.4	762.9	828.5
142.5°	758.2	767.2	798.9	868.6
145°	795.0	814.3	855.5	925.0
147.5°	836.7	861.7	912.6	983.9
150°	864.5	896.7	950.7	1018.9
152.5°	896.4	929.6	983.6	1052.8
155°	945.5	982.8	1039.4	1098.6
157.5°	995.7	1033.8	1087.8	1139.5
160°	1026.6	1067.8	1116.6	1164.2
162.5°	1061.6	1099.7	1142.4	1184.8
165°	1112.8	1143.7	1178.4	1214.4
167.5°	1155.7	1181.5	1208.7	1236.8
170°	1183.5	1204.1	1227.3	1249.1
172.5°	1207.2	1223.7	1240.7	1259.4
175°	1238.8	1247.9	1258.1	1269.7
177.5°	1263.3	1266.4	1269.5	1274.6
180°	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1428260
 CATALOG NUMBER: SQ2W-PR1-K-100U-075D-L930-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	17.10	17.90	18.10	18.90	20.22	13.47	14.27	14.47	15.27	16.59
	3H	18.31	19.02	19.31	20.03	21.37	14.63	15.34	15.63	16.35	17.69
	4H	18.79	19.46	19.80	20.47	21.82	15.09	15.76	16.11	16.77	18.12
	6H	19.08	19.70	20.11	20.72	22.08	15.43	16.05	16.46	17.06	18.42
	8H	19.18	19.77	20.22	20.80	22.16	15.57	16.15	16.60	17.18	18.54
	12H	19.22	19.78	20.26	20.81	22.19	15.59	16.15	16.63	17.18	18.56
4H	2H	17.20	17.87	18.22	18.88	20.23	14.18	14.85	15.20	15.86	17.21
	3H	18.65	19.21	19.68	20.25	21.61	15.53	16.08	16.56	17.12	18.48
	4H	19.28	19.79	20.32	20.82	22.21	16.07	16.58	17.11	17.61	18.99
	6H	19.71	20.15	20.76	21.20	22.58	16.50	16.94	17.55	17.99	19.37
	8H	19.87	20.27	20.91	21.32	22.72	16.68	17.09	17.73	18.14	19.53
	12H	19.93	20.30	20.99	21.36	22.76	16.73	17.09	17.79	18.16	19.56
8H	4H	19.30	19.71	20.35	20.76	22.15	16.39	16.80	17.44	17.85	19.24
	6H	19.83	20.17	20.90	21.26	22.65	16.93	17.27	18.00	18.36	19.75
	8H	20.07	20.36	21.14	21.44	22.85	17.19	17.49	18.27	18.56	19.97
	12H	20.18	20.44	21.26	21.51	22.96	17.28	17.54	18.36	18.61	20.07
12H	4H	19.26	19.63	20.32	20.69	22.09	16.41	16.78	17.47	17.84	19.24
	6H	19.82	20.12	20.90	21.19	22.60	17.00	17.30	18.08	18.37	19.78
	8H	20.07	20.33	21.15	21.40	22.85	17.29	17.55	18.37	18.62	20.07