

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: P1428236

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428236
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-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 750 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

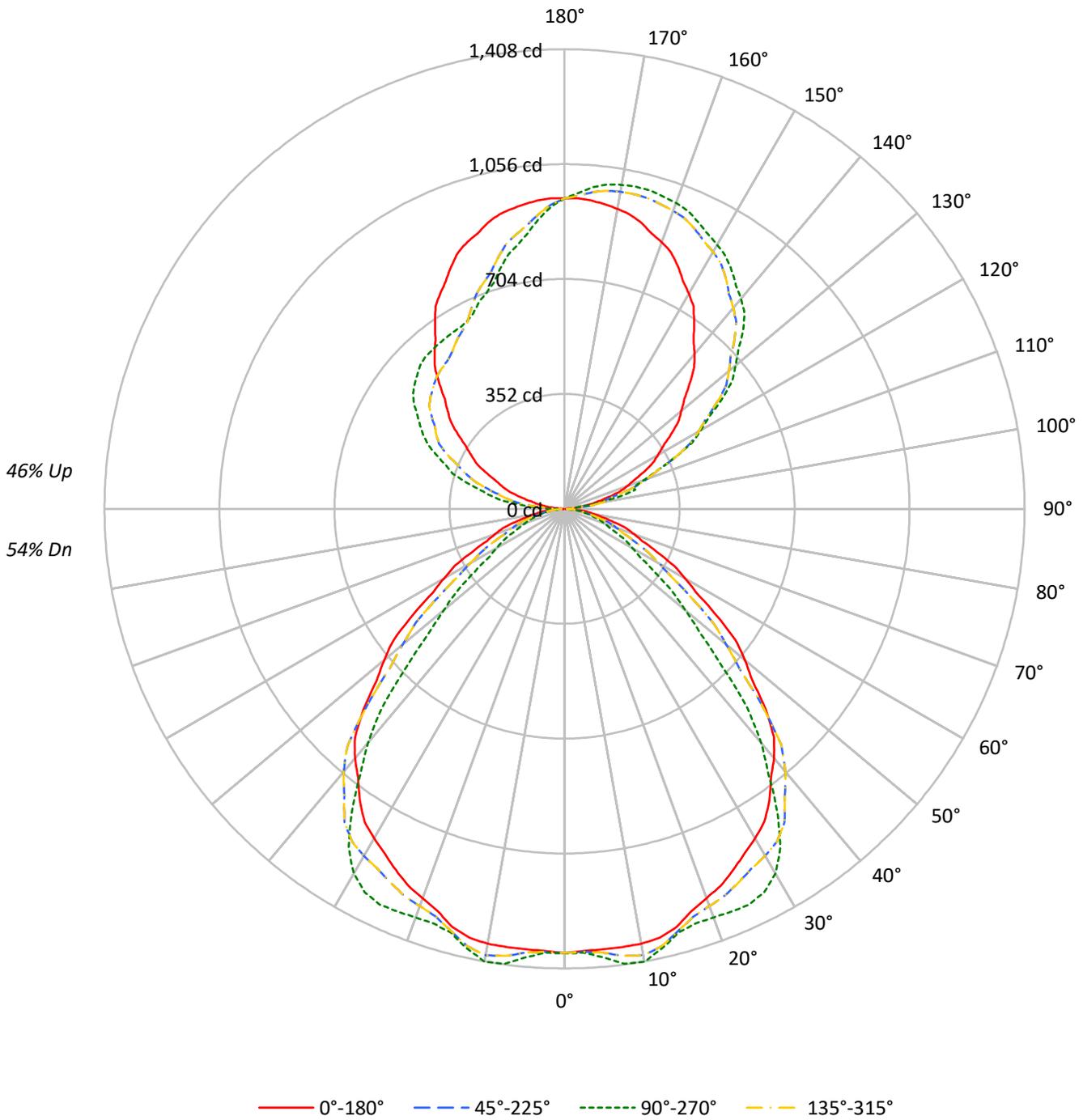
Lumens per Lamp: N/A
Luminaire Lumens: 6055.8 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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

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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	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°	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	2.2
10°-20°	380.5	6.3
20°-30°	588.2	9.7
30°-40°	707.4	11.7
40°-50°	635.2	10.5
50°-60°	425.6	7.0
60°-70°	247.6	4.1
70°-80°	127.2	2.1
80°-90°	35.3	0.6
90°-100°	75.7	1.3
100°-110°	220.8	3.6
110°-120°	360.3	5.9
120°-130°	457.2	7.5
130°-140°	489.2	8.1
140°-150°	456.8	7.5
150°-160°	375.9	6.2
160°-170°	252.1	4.2
170°-180°	89.5	1.5
0°-30°	1100.2	18.2
0°-40°	1807.6	29.8
0°-60°	2868.4	47.4
0°-90°	3278.5	54.1
90°-120°	656.7	10.8
90°-150°	2059.9	34.0
90°-180°	2777.0	45.9
0°-180°	6055.8	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°	3	21	3	41	3	4
95°	30	22	30	130	30	36
105°	140	225	140	309	140	149
115°	269	373	269	459	269	265
125°	398	591	398	563	398	356
135°	541	773	541	624	541	418
145°	691	892	691	637	691	432
155°	820	968	820	661	820	377
165°	907	1010	907	761	907	255
175°	948	989	948	893	948	90
180°	951	951	951	951	951	



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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°	9.5	10.2	11.2	10.1	8.2	7.2	7.2	7.4	7.6	7.6	7.6
90°	2.9	6.7	11.5	15.4	18.3	19.2	19.2	20.2	21.1	21.1	21.1
92.5°	10.6	16.7	16.9	16.9	20.6	22.3	23.8	24.0	25.0	25.0	25.0
95°	29.8	32.7	49.0	48.0	32.7	25.9	22.1	22.1	22.1	22.1	22.1
97.5°	56.9	61.1	63.8	85.5	90.3	87.2	71.1	59.8	53.4	50.5	53.4
100°	80.7	82.6	88.4	89.4	113.4	136.4	124.9	110.5	105.7	102.8	105.7
102.5°	104.5	105.7	114.5	118.6	124.1	137.2	177.2	172.8	169.5	168.9	169.5
105°	140.3	141.2	157.6	165.3	169.1	169.1	168.1	187.4	218.1	224.8	218.1
107.5°	178.5	182.9	202.2	222.7	227.1	228.3	223.3	220.4	219.3	220.0	219.3
110°	204.7	211.4	234.4	260.4	267.1	269.0	267.1	264.2	262.3	262.3	262.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	230.0	239.8	266.0	295.7	307.1	312.8	308.6	306.5	304.6	306.1	304.6
115°	269.0	283.4	318.0	348.8	371.8	374.7	373.8	373.8	372.8	372.8	372.8
117.5°	305.2	328.2	367.0	402.8	429.5	437.2	441.0	439.9	438.7	440.6	438.7
120°	330.5	357.4	401.6	442.0	467.9	479.4	483.3	481.4	483.3	481.4	483.3
122.5°	357.4	390.5	433.9	475.8	506.3	519.4	524.0	524.4	524.8	523.6	524.8
125°	397.8	438.1	489.1	532.3	564.0	579.4	583.2	584.2	586.1	590.9	586.1
127.5°	438.5	484.2	540.2	581.9	614.3	633.0	638.9	641.0	645.1	647.2	645.1
130°	467.0	518.8	575.5	614.9	646.6	666.8	677.4	680.3	685.1	684.1	685.1
132.5°	496.9	551.1	608.6	649.5	678.9	700.6	709.7	717.9	719.6	721.0	719.6
135°	540.9	599.5	657.2	697.5	725.4	746.5	758.1	765.8	770.6	773.4	770.6
137.5°	587.2	649.1	704.5	740.4	768.5	786.7	799.8	807.8	812.8	815.1	812.8
140°	618.8	678.3	732.1	769.6	794.6	812.8	824.4	834.0	839.7	839.7	839.7
142.5°	648.7	707.5	759.8	797.3	819.2	835.9	848.2	855.5	862.0	862.0	862.0
145°	690.8	749.4	797.5	834.9	853.2	868.6	882.0	887.8	891.6	891.6	891.6
147.5°	734.8	786.7	830.5	866.5	881.8	899.9	910.5	915.1	919.9	917.8	919.9
150°	761.0	809.0	851.3	884.9	900.3	917.6	928.1	932.0	936.8	933.9	936.8
152.5°	786.3	832.1	870.5	901.8	914.9	932.2	944.3	948.1	951.4	949.3	951.4
155°	820.5	860.9	896.4	925.3	936.8	953.1	964.6	969.5	973.3	968.5	973.3
157.5°	851.1	885.9	916.8	943.3	955.6	969.6	980.4	986.4	990.2	988.1	990.2
160°	869.5	901.2	929.1	954.1	965.6	978.1	989.6	996.4	1000.2	997.3	1000.2
162.5°	884.9	913.5	939.9	962.5	972.5	983.5	997.3	1003.3	1007.1	1003.5	1007.1
165°	907.0	930.1	953.1	972.3	981.0	989.6	1004.0	1010.8	1013.7	1009.8	1013.7
167.5°	923.7	941.4	960.0	976.6	982.9	991.4	1005.8	1011.3	1015.0	1010.2	1015.0
170°	932.9	948.3	964.6	978.1	982.9	990.6	1005.0	1009.8	1012.7	1007.9	1012.7
172.5°	940.6	952.2	965.4	977.3	979.8	986.0	999.6	1004.4	1006.5	1002.5	1006.5
175°	948.3	955.0	964.6	972.3	971.4	975.2	986.7	990.6	994.4	988.7	994.4
177.5°	952.0	955.0	958.1	962.7	959.7	959.7	968.1	970.4	971.2	968.1	971.2
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



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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°	7.4	7.2	7.2	8.2	10.1	11.2	10.2	9.5	10.2	11.0	10.5
90°	20.2	19.2	19.2	18.3	15.4	11.5	6.7	2.9	6.7	10.6	17.3
92.5°	24.0	23.8	22.3	20.6	16.9	16.9	16.7	10.6	18.3	25.9	37.3
95°	22.1	22.1	25.9	32.7	48.0	49.0	32.7	29.8	42.3	59.6	74.9
97.5°	59.8	71.1	87.2	90.3	85.5	63.8	61.1	56.9	77.4	94.5	119.3
100°	110.5	124.9	136.4	113.4	89.4	88.4	82.6	80.7	102.8	119.1	143.2
102.5°	172.8	177.2	137.2	124.1	118.6	114.5	105.7	104.5	126.6	149.1	169.3
105°	187.4	168.1	169.1	169.1	165.3	157.6	141.2	140.3	165.3	191.2	216.2
107.5°	220.4	223.3	228.3	227.1	222.7	202.2	182.9	178.5	201.0	232.1	259.6
110°	264.2	267.1	269.0	267.1	260.4	234.4	211.4	204.7	224.8	257.5	287.3



TEST NUMBER: P1428236

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	306.5	308.6	312.8	307.1	295.7	266.0	239.8	230.0	250.2	283.6	314.2
115°	373.8	373.8	374.7	371.8	348.8	318.0	283.4	269.0	286.3	317.1	350.7
117.5°	439.9	441.0	437.2	429.5	402.8	367.0	328.2	305.2	318.8	351.3	385.9
120°	481.4	483.3	479.4	467.9	442.0	401.6	357.4	330.5	341.1	372.8	407.4
122.5°	524.4	524.0	519.4	506.3	475.8	433.9	390.5	357.4	361.8	391.2	425.1
125°	584.2	583.2	579.4	564.0	532.3	489.1	438.1	397.8	392.0	417.0	451.6
127.5°	641.0	638.9	633.0	614.3	581.9	540.2	484.2	438.5	425.6	441.4	473.1
130°	680.3	677.4	666.8	646.6	614.9	575.5	518.8	467.0	448.7	458.3	486.2
132.5°	717.9	709.7	700.6	678.9	649.5	608.6	551.1	496.9	471.8	476.0	497.7
135°	765.8	758.1	746.5	725.4	697.5	657.2	599.5	540.9	506.3	502.5	515.0
137.5°	807.8	799.8	786.7	768.5	740.4	704.5	649.1	587.2	543.6	530.7	535.6
140°	834.0	824.4	812.8	794.6	769.6	732.1	678.3	618.8	569.8	551.5	548.6
142.5°	855.5	848.2	835.9	819.2	797.3	759.8	707.5	648.7	596.7	573.0	566.3
145°	887.8	882.0	868.6	853.2	834.9	797.5	749.4	690.8	638.9	608.2	593.8
147.5°	915.1	910.5	899.9	881.8	866.5	830.5	786.7	734.8	681.6	643.5	624.9
150°	932.0	928.1	917.6	900.3	884.9	851.3	809.0	761.0	710.0	669.7	645.7
152.5°	948.1	944.3	932.2	914.9	901.8	870.5	832.1	786.3	734.6	694.3	669.5
155°	969.5	964.6	953.1	936.8	925.3	896.4	860.9	820.5	776.3	734.1	706.2
157.5°	986.4	980.4	969.6	955.6	943.3	916.8	885.9	851.1	812.5	772.1	743.7
160°	996.4	989.6	978.1	965.6	954.1	929.1	901.2	869.5	834.0	797.5	766.7
162.5°	1003.3	997.3	983.5	972.5	962.5	939.9	913.5	884.9	853.2	821.3	792.9
165°	1010.8	1004.0	989.6	981.0	972.3	953.1	930.1	907.0	880.1	854.2	831.1
167.5°	1011.3	1005.8	991.4	982.9	976.6	960.0	941.4	923.7	902.8	882.4	863.2
170°	1009.8	1005.0	990.6	982.9	978.1	964.6	948.3	932.9	916.6	899.3	883.9
172.5°	1004.4	999.6	986.0	979.8	977.3	965.4	952.2	940.6	926.6	913.9	901.6
175°	990.6	986.7	975.2	971.4	972.3	964.6	955.0	948.3	939.7	932.0	925.3
177.5°	970.4	968.1	959.7	959.7	962.7	958.1	955.0	952.0	948.1	945.8	943.5
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



TEST NUMBER: P1428236

CATALOG NUMBER: SQ2W-PR1-K-075U-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°	9.0	9.1	10.4	11.2	12.0	11.6	12.0	11.2	10.4	9.1	9.0
90°	22.1	28.8	35.5	39.4	43.2	41.3	43.2	39.4	35.5	28.8	22.1
92.5°	44.4	55.7	64.0	70.9	74.0	73.6	74.0	70.9	64.0	55.7	44.4
95°	89.4	102.8	116.3	125.9	131.6	129.7	131.6	125.9	116.3	102.8	89.4
97.5°	137.8	155.8	170.8	179.9	185.6	189.5	185.6	179.9	170.8	155.8	137.8
100°	170.1	187.4	204.7	215.2	224.8	228.7	224.8	215.2	204.7	187.4	170.1
102.5°	196.2	218.9	237.7	249.0	257.1	261.0	257.1	249.0	237.7	218.9	196.2
105°	239.2	263.3	283.4	297.8	306.5	309.4	306.5	297.8	283.4	263.3	239.2
107.5°	282.3	307.1	325.7	341.7	352.2	358.4	352.2	341.7	325.7	307.1	282.3
110°	316.1	336.3	356.5	370.9	381.4	385.3	381.4	370.9	356.5	336.3	316.1



TEST NUMBER: P1428236

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	344.5	367.0	387.2	401.6	413.7	419.1	413.7	401.6	387.2	367.0	344.5
115°	384.3	414.1	432.4	445.8	454.5	459.3	454.5	445.8	432.4	414.1	384.3
117.5°	417.4	448.5	468.5	478.9	482.9	486.4	482.9	478.9	468.5	448.5	417.4
120°	438.1	467.0	490.0	503.5	508.3	510.2	508.3	490.0	467.0	438.1	
122.5°	457.3	484.6	506.9	523.4	531.3	533.2	531.3	523.4	506.9	484.6	457.3
125°	484.2	510.2	533.2	549.6	558.2	563.0	558.2	549.6	533.2	510.2	484.2
127.5°	507.7	535.7	556.9	571.7	580.1	584.0	580.1	571.7	556.9	535.7	507.7
130°	520.8	549.6	570.7	587.1	594.7	598.6	594.7	587.1	570.7	549.6	520.8
132.5°	530.7	561.1	583.0	597.8	606.3	610.1	606.3	597.8	583.0	561.1	530.7
135°	542.9	574.6	597.6	612.0	619.7	623.6	619.7	612.0	597.6	574.6	542.9
137.5°	553.4	582.2	606.3	621.4	628.4	630.9	628.4	621.4	606.3	582.2	553.4
140°	561.1	586.1	610.1	624.5	632.2	633.2	632.2	624.5	610.1	586.1	561.1
142.5°	571.1	590.7	611.6	626.1	633.7	635.5	633.7	626.1	611.6	590.7	571.1
145°	589.0	600.5	614.9	628.4	635.1	637.0	635.1	628.4	614.9	600.5	589.0
147.5°	611.5	615.1	622.6	631.4	638.0	639.3	638.0	631.4	622.6	615.1	611.5
150°	628.4	627.4	630.3	636.1	641.8	640.9	641.8	636.1	630.3	627.4	628.4
152.5°	647.6	642.0	641.8	644.5	647.2	647.0	647.2	644.5	641.8	642.0	647.6
155°	680.3	669.7	663.9	662.0	662.0	661.0	662.0	662.0	663.9	669.7	680.3
157.5°	716.2	701.4	692.7	688.1	686.8	684.7	686.8	688.1	692.7	701.4	716.2
160°	740.8	724.4	715.8	708.1	705.2	702.3	705.2	708.1	715.8	724.4	740.8
162.5°	763.8	748.3	738.9	731.9	729.1	724.6	729.1	731.9	738.9	748.3	763.8
165°	801.3	785.0	774.4	768.6	764.8	761.0	764.8	768.6	774.4	785.0	801.3
167.5°	838.8	820.9	814.0	807.5	803.8	796.9	803.8	807.5	814.0	820.9	838.8
170°	861.8	845.5	841.7	835.9	829.2	821.5	829.2	835.9	841.7	845.5	861.8
172.5°	881.8	870.9	867.0	861.3	859.2	853.0	859.2	861.3	867.0	870.9	881.8
175°	910.8	902.2	902.2	901.2	898.4	892.6	898.4	901.2	902.2	902.2	910.8
177.5°	935.1	930.4	933.5	933.5	932.8	927.4	932.8	933.5	933.5	930.4	935.1
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



TEST NUMBER: P1428236

CATALOG NUMBER: SQ2W-PR1-K-075U-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°	10.5	11.0	10.2	9.5
90°	17.3	10.6	6.7	2.9
92.5°	37.3	25.9	18.3	10.6
95°	74.9	59.6	42.3	29.8
97.5°	119.3	94.5	77.4	56.9
100°	143.2	119.1	102.8	80.7
102.5°	169.3	149.1	126.6	104.5
105°	216.2	191.2	165.3	140.3
107.5°	259.6	232.1	201.0	178.5
110°	287.3	257.5	224.8	204.7

TEST NUMBER: P1428236

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	314.2	283.6	250.2	230.0
115°	350.7	317.1	286.3	269.0
117.5°	385.9	351.3	318.8	305.2
120°	407.4	372.8	341.1	330.5
122.5°	425.1	391.2	361.8	357.4
125°	451.6	417.0	392.0	397.8
127.5°	473.1	441.4	425.6	438.5
130°	486.2	458.3	448.7	467.0
132.5°	497.7	476.0	471.8	496.9
135°	515.0	502.5	506.3	540.9
137.5°	535.6	530.7	543.6	587.2
140°	548.6	551.5	569.8	618.8
142.5°	566.3	573.0	596.7	648.7
145°	593.8	608.2	638.9	690.8
147.5°	624.9	643.5	681.6	734.8
150°	645.7	669.7	710.0	761.0
152.5°	669.5	694.3	734.6	786.3
155°	706.2	734.1	776.3	820.5
157.5°	743.7	772.1	812.5	851.1
160°	766.7	797.5	834.0	869.5
162.5°	792.9	821.3	853.2	884.9
165°	831.1	854.2	880.1	907.0
167.5°	863.2	882.4	902.8	923.7
170°	883.9	899.3	916.6	932.9
172.5°	901.6	913.9	926.6	940.6
175°	925.3	932.0	939.7	948.3
177.5°	943.5	945.8	948.1	952.0
180°	951.2	951.2	951.2	951.2



TEST NUMBER: P1428236
 CATALOG NUMBER: SQ2W-PR1-K-075U-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	17.79	18.64	18.72	19.58	20.80	14.16	15.01	15.09	15.95	17.17
	3H	18.99	19.76	19.93	20.71	21.95	15.32	16.08	16.26	17.03	18.27
	4H	19.48	20.20	20.43	21.15	22.40	15.78	16.50	16.74	17.46	18.70
	6H	19.77	20.44	20.74	21.40	22.66	16.12	16.79	17.09	17.75	19.01
	8H	19.88	20.51	20.85	21.49	22.74	16.26	16.89	17.23	17.87	19.12
	12H	19.92	20.52	20.90	21.49	22.77	16.29	16.89	17.27	17.86	19.14
4H	2H	17.89	18.61	18.85	19.57	20.81	14.87	15.59	15.83	16.54	17.79
	3H	19.35	19.95	20.32	20.93	22.19	16.22	16.82	17.19	17.80	19.06
	4H	19.98	20.52	20.96	21.50	22.79	16.77	17.31	17.75	18.29	19.58
	6H	20.41	20.88	21.40	21.88	23.16	17.20	17.67	18.19	18.67	19.95
	8H	20.57	21.00	21.56	22.00	23.30	17.38	17.82	18.38	18.81	20.11
	12H	20.63	21.03	21.64	22.04	23.34	17.43	17.82	18.44	18.83	20.14
8H	4H	20.00	20.44	21.00	21.43	22.73	17.09	17.53	18.09	18.53	19.82
	6H	20.53	20.89	21.55	21.93	23.23	17.63	17.99	18.65	19.03	20.33
	8H	20.77	21.09	21.80	22.11	23.43	17.90	18.21	18.92	19.24	20.55
	12H	20.89	21.17	21.92	22.19	23.55	17.99	18.27	19.02	19.29	20.65
12H	4H	19.96	20.35	20.97	21.37	22.67	17.11	17.51	18.12	18.52	19.82
	6H	20.52	20.84	21.55	21.87	23.18	17.71	18.02	18.73	19.05	20.36
	8H	20.77	21.06	21.80	22.07	23.43	17.99	18.27	19.02	19.29	20.65