

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: P1428094

Luminaire Tested: SQ2W-PP3-K-100U-075D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428094
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PP3-K-100U-075D-L940-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE PRISM LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

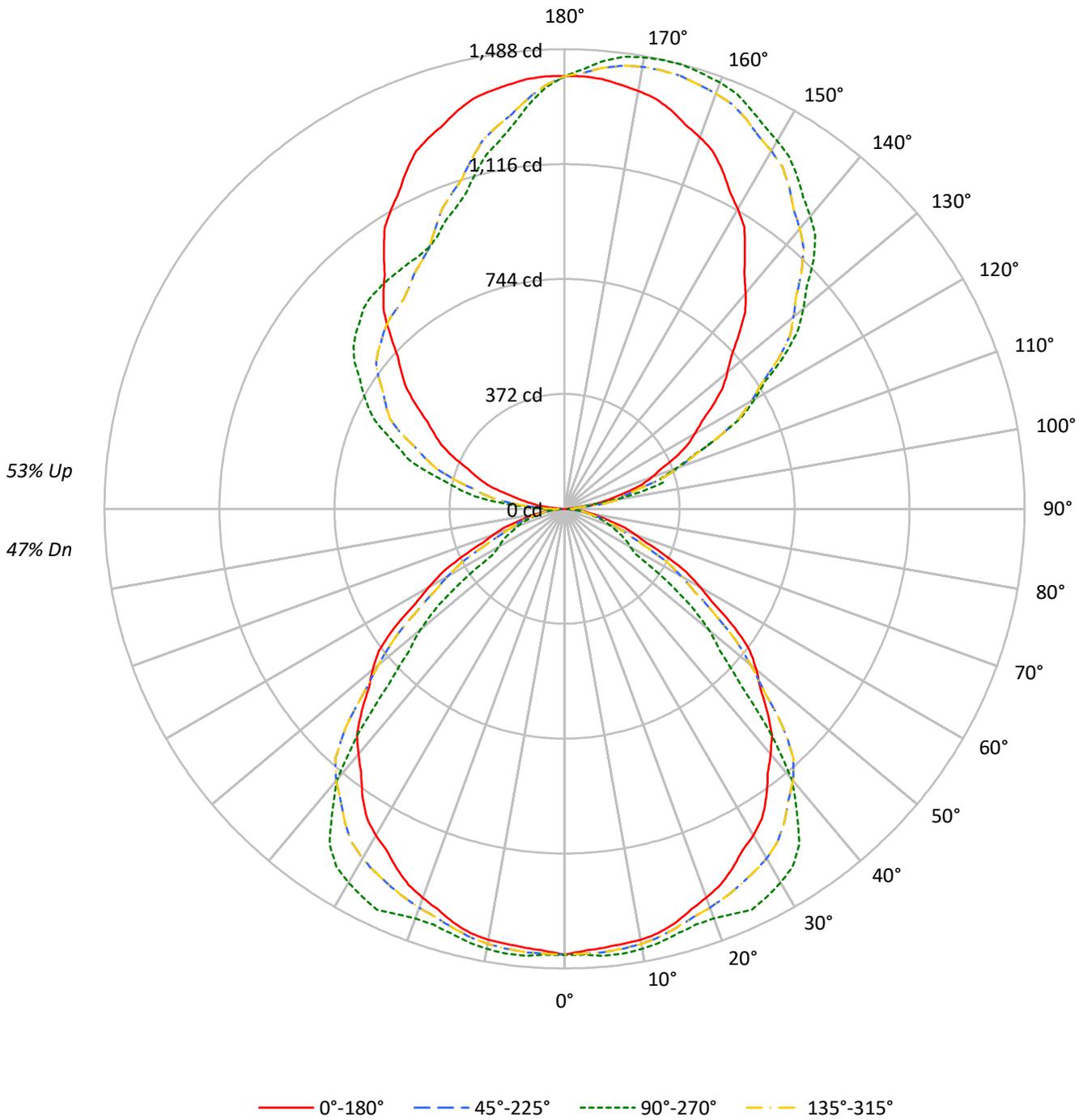
Lumens per Lamp: N/A
Luminaire Lumens: 7730.9 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 59.8
Input Voltage (V): 120
Input Current (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	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	76	71	82	76	71	67	64	60	57	53	50	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	64	57	51	69	60	53	48	51	46	42	42	39	36	34	32	30				26	
5	69	58	50	44	63	53	46	41	45	40	36	38	34	31	31	28	26				23	
6	63	52	44	38	58	48	41	36	41	36	32	34	30	27	28	25	23				20	
7	59	47	39	33	54	43	36	32	37	32	28	31	27	24	26	23	21				18	
8	54	42	35	30	50	39	33	28	34	29	25	29	25	22	24	21	18				16	
9	51	39	31	26	47	36	29	25	31	26	22	26	22	19	22	19	17				14	
10	47	35	28	24	44	33	27	22	29	23	20	24	20	18	20	17	15				13	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	23306	23306	23306	23306
5°	23123	23544	23123	23544
10°	23241	23716	23241	23716
15°	23186	23772	23186	23772
20°	23020	24252	23020	24252
25°	22888	25525	22888	25525
30°	22758	26058	22758	26058
35°	22436	26106	22436	26106
40°	21837	24120	21837	24120
45°	21185	18363	21185	18363
50°	20353	15292	20353	15292
55°	18941	10995	18941	10995
60°	16310	7882	16310	7882
65°	13757	7752	13757	7752
70°	11452	7421	11452	7421
75°	9707	6949	9707	6949
80°	8229	6239	8229	6239
85°	6502	3390	6502	3390

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 23173 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.4	1.8
10°-20°	397.8	5.1
20°-30°	623.2	8.1
30°-40°	768.8	9.9
40°-50°	723.8	9.4
50°-60°	512.5	6.6
60°-70°	292.0	3.8
70°-80°	144.6	1.9
80°-90°	41.1	0.5
90°-100°	111.5	1.4
100°-110°	325.1	4.2
110°-120°	530.5	6.9
120°-130°	673.2	8.7
130°-140°	720.3	9.3
140°-150°	672.6	8.7
150°-160°	553.5	7.2
160°-170°	371.2	4.8
170°-180°	131.8	1.7
0°-30°	1158.5	15.0
0°-40°	1927.3	24.9
0°-60°	3163.5	40.9
0°-90°	3641.2	47.1
90°-120°	967.1	12.5
90°-150°	3033.2	39.2
90°-180°	4090.0	52.9
0°-180°	7730.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1444	1444	1444	1444	1444	
5°	1427	1453	1427	1453	1427	136
15°	1387	1422	1387	1422	1387	391
25°	1285	1433	1285	1433	1285	592
35°	1138	1324	1138	1324	1138	710
45°	928	804	928	804	928	714
55°	673	391	673	391	673	594
65°	360	203	360	203	360	362
75°	156	111	156	111	156	169
85°	35	18	35	18	35	41
90°	4	31	4	61	4	5
95°	44	32	44	191	44	53
105°	207	331	207	456	207	220
115°	396	549	396	676	396	390
125°	586	870	586	829	586	524
135°	796	1139	796	918	796	616
145°	1017	1313	1017	938	1017	636
155°	1208	1426	1208	973	1208	555
165°	1336	1487	1336	1120	1336	376
175°	1396	1456	1396	1314	1396	132
180°	1401	1401	1401	1401	1401	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5
2.5°	1432.5	1441.7	1451.0	1448.8	1442.8	1440.4	1441.5	1442.6	1443.6	1444.7	1443.6
5°	1426.7	1438.3	1449.8	1448.1	1442.0	1439.6	1441.0	1443.2	1447.9	1452.7	1447.9
7.5°	1421.2	1433.0	1444.8	1443.3	1437.3	1435.5	1437.8	1441.0	1446.8	1452.7	1446.8
10°	1417.6	1427.7	1437.9	1436.4	1431.0	1429.9	1433.3	1437.1	1441.8	1446.6	1441.8
12.5°	1406.6	1416.2	1425.8	1424.6	1419.7	1419.5	1424.0	1428.4	1432.6	1436.8	1432.6
15°	1387.1	1395.9	1404.7	1404.9	1402.1	1403.8	1409.9	1415.4	1418.8	1422.2	1418.8
17.5°	1360.5	1371.2	1381.9	1384.4	1384.1	1388.3	1397.0	1404.4	1407.9	1411.5	1407.9
20°	1339.8	1352.6	1365.5	1369.8	1371.1	1377.2	1388.1	1397.9	1404.7	1411.5	1404.7
22.5°	1317.8	1332.8	1347.9	1353.5	1355.9	1365.3	1381.6	1396.7	1408.3	1420.0	1408.3
25°	1284.8	1299.7	1314.7	1325.5	1335.0	1351.6	1375.4	1397.6	1415.2	1432.8	1415.2
27.5°	1246.4	1261.1	1275.9	1294.6	1314.5	1337.9	1364.6	1388.1	1402.1	1416.0	1402.1
30°	1220.7	1235.0	1249.2	1270.6	1294.3	1320.1	1347.9	1372.0	1384.9	1397.7	1384.9
32.5°	1189.0	1203.8	1218.6	1241.3	1266.6	1294.3	1324.3	1349.7	1361.5	1373.3	1361.5
35°	1138.3	1152.6	1166.8	1193.3	1223.8	1254.6	1285.8	1310.9	1317.7	1324.5	1317.7
37.5°	1080.0	1096.2	1112.3	1142.0	1176.2	1202.0	1219.5	1232.7	1233.1	1233.5	1233.1
40°	1036.1	1057.1	1078.1	1107.8	1140.4	1158.3	1161.7	1162.1	1153.3	1144.4	1153.3
42.5°	993.4	1020.4	1047.4	1071.2	1094.0	1098.7	1085.2	1065.4	1026.2	987.0	1026.2
45°	927.8	959.6	991.5	1006.1	1014.9	985.1	916.6	858.4	831.3	804.2	831.3
47.5°	857.9	889.3	920.8	916.8	900.9	855.7	781.3	720.7	702.0	683.3	702.0
50°	810.3	840.1	869.9	848.4	809.8	758.9	695.8	644.1	626.5	608.8	626.5
52.5°	756.5	783.1	809.7	777.2	725.0	671.4	616.5	568.6	541.7	514.8	541.7
55°	672.9	691.2	709.5	673.9	620.4	561.4	496.9	442.2	416.4	390.6	416.4
57.5°	572.2	585.1	598.0	570.0	528.3	469.7	394.0	330.0	301.1	272.2	301.1
60°	505.1	515.2	525.4	500.0	462.7	406.7	332.1	272.6	258.4	244.1	258.4
62.5°	444.0	453.1	462.2	435.7	397.3	347.3	285.8	238.3	233.3	228.3	233.3
65°	360.1	368.9	377.7	349.9	309.9	270.9	233.0	204.3	203.6	202.9	203.6
67.5°	286.6	296.2	305.8	279.6	241.5	212.7	193.2	178.3	177.5	176.7	177.5
70°	242.6	252.8	263.0	238.6	202.6	179.2	168.4	159.9	158.5	157.2	158.5
72.5°	206.0	215.6	225.3	204.0	172.4	153.0	146.0	140.5	139.7	138.9	139.7
75°	155.6	163.1	170.6	155.1	132.1	118.9	115.5	112.7	112.1	111.4	112.1
77.5°	112.9	117.7	122.4	112.3	97.3	88.8	87.1	85.6	84.9	84.2	84.9
80°	88.5	90.5	92.6	85.5	75.3	69.9	69.2	68.5	67.8	67.1	67.8
82.5°	66.5	65.9	65.2	61.0	55.7	52.8	52.1	51.3	50.0	48.8	50.0
85°	35.1	33.7	32.4	31.0	29.7	27.6	24.9	22.4	20.3	18.3	20.3
87.5°	11.8	13.0	14.4	13.5	11.6	10.3	9.7	9.6	9.9	9.9	9.9
90°	4.2	9.9	17.0	22.6	26.9	28.3	28.3	29.7	31.1	31.1	31.1
92.5°	15.6	24.6	24.9	24.9	30.3	32.8	35.1	35.4	36.8	36.8	36.8
95°	43.9	48.1	72.2	70.7	48.1	38.2	32.5	32.5	32.5	32.5	32.5
97.5°	83.8	90.0	93.9	125.9	133.0	128.5	104.7	88.0	78.7	74.4	78.7
100°	118.8	121.7	130.2	131.6	166.9	200.9	183.9	162.7	155.6	151.4	155.6
102.5°	153.9	155.6	168.6	174.6	182.8	202.0	260.9	254.4	249.6	248.7	249.6
105°	206.6	208.0	232.0	243.3	249.0	249.0	247.6	275.9	321.2	331.1	321.2
107.5°	262.9	269.4	297.7	328.0	334.5	336.2	328.8	324.6	322.9	324.0	322.9
110°	301.4	311.3	345.2	383.4	393.3	396.1	393.3	389.1	386.2	386.2	386.2



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CATALOG NUMBER: SQ2W-PP3-K-100U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	338.7	353.1	391.6	435.5	452.2	460.7	454.4	451.3	448.5	450.8	448.5
115°	396.1	417.4	468.3	513.6	547.5	551.8	550.4	550.4	548.9	548.9	548.9
117.5°	449.3	483.3	540.5	593.1	632.4	643.7	649.4	647.7	646.0	648.8	646.0
120°	486.7	526.3	591.4	650.8	689.0	706.0	711.6	708.8	711.6	708.8	711.6
122.5°	526.3	575.0	638.9	700.6	745.6	764.8	771.6	772.2	772.8	771.1	772.8
125°	585.7	645.2	720.1	783.8	830.5	853.1	858.8	860.2	863.0	870.1	863.0
127.5°	645.7	713.1	795.4	856.8	904.6	932.1	940.8	944.0	949.9	953.0	949.9
130°	687.6	764.0	847.5	905.5	952.2	981.9	997.4	1001.7	1008.8	1007.3	1008.8
132.5°	731.7	811.5	896.1	956.4	999.7	1031.7	1045.0	1057.1	1059.7	1061.7	1059.7
135°	796.5	882.8	967.7	1027.2	1068.2	1099.3	1116.3	1127.6	1134.7	1138.9	1134.7
137.5°	864.7	955.8	1037.3	1090.3	1131.6	1158.4	1177.7	1189.6	1196.9	1200.3	1196.9
140°	911.1	998.9	1078.1	1133.3	1170.0	1196.9	1213.9	1228.1	1236.5	1236.5	1236.5
142.5°	955.3	1041.9	1118.8	1174.0	1206.3	1230.9	1249.0	1259.7	1269.4	1269.4	1269.4
145°	1017.2	1103.6	1174.3	1229.5	1256.4	1279.0	1298.8	1307.3	1312.9	1312.9	1312.9
147.5°	1082.0	1158.4	1223.0	1275.9	1298.5	1325.1	1340.7	1347.5	1354.5	1351.4	1354.5
150°	1120.5	1191.3	1253.5	1303.0	1325.7	1351.1	1366.7	1372.4	1379.4	1375.2	1379.4
152.5°	1157.9	1225.2	1281.8	1327.9	1347.2	1372.6	1390.5	1396.1	1400.9	1397.8	1400.9
155°	1208.2	1267.7	1320.0	1362.5	1379.4	1403.5	1420.5	1427.5	1433.2	1426.1	1433.2
157.5°	1253.2	1304.5	1350.0	1389.1	1407.2	1427.8	1443.7	1452.4	1458.1	1455.0	1458.1
160°	1280.4	1327.1	1368.1	1404.9	1421.9	1440.3	1457.3	1467.2	1472.8	1468.6	1472.8
162.5°	1303.0	1345.2	1384.0	1417.4	1432.1	1448.2	1468.6	1477.3	1483.0	1477.6	1483.0
165°	1335.6	1369.5	1403.5	1431.8	1444.5	1457.3	1478.5	1488.4	1492.6	1487.0	1492.6
167.5°	1360.2	1386.2	1413.7	1438.0	1447.4	1459.8	1481.0	1489.2	1494.6	1487.5	1494.6
170°	1373.8	1396.4	1420.5	1440.3	1447.4	1458.7	1479.9	1487.0	1491.2	1484.1	1491.2
172.5°	1385.1	1402.1	1421.6	1439.1	1442.8	1451.9	1472.0	1479.0	1482.2	1476.2	1482.2
175°	1396.4	1406.3	1420.5	1431.8	1430.4	1436.0	1453.0	1458.7	1464.3	1455.8	1464.3
177.5°	1401.8	1406.3	1410.8	1417.6	1413.1	1413.1	1425.6	1429.0	1430.1	1425.6	1430.1
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5
2.5°	1442.6	1441.5	1440.4	1442.8	1448.8	1451.0	1441.7	1432.5	1441.7	1451.0	1448.8
5°	1443.2	1441.0	1439.6	1442.0	1448.1	1449.8	1438.3	1426.7	1438.3	1449.8	1448.1
7.5°	1441.0	1437.8	1435.5	1437.3	1443.3	1444.8	1433.0	1421.2	1433.0	1444.8	1443.3
10°	1437.1	1433.3	1429.9	1431.0	1436.4	1437.9	1427.7	1417.6	1427.7	1437.9	1436.4
12.5°	1428.4	1424.0	1419.5	1419.7	1424.6	1425.8	1416.2	1406.6	1416.2	1425.8	1424.6
15°	1415.4	1409.9	1403.8	1402.1	1404.9	1404.7	1395.9	1387.1	1395.9	1404.7	1404.9
17.5°	1404.4	1397.0	1388.3	1384.1	1384.4	1381.9	1371.2	1360.5	1371.2	1381.9	1384.4
20°	1397.9	1388.1	1377.2	1371.1	1369.8	1365.5	1352.6	1339.8	1352.6	1365.5	1369.8
22.5°	1396.7	1381.6	1365.3	1355.9	1353.5	1347.9	1332.8	1317.8	1332.8	1347.9	1353.5
25°	1397.6	1375.4	1351.6	1335.0	1325.5	1314.7	1299.7	1284.8	1299.7	1314.7	1325.5
27.5°	1388.1	1364.6	1337.9	1314.5	1294.6	1275.9	1261.1	1246.4	1261.1	1275.9	1294.6
30°	1372.0	1347.9	1320.1	1294.3	1270.6	1249.2	1235.0	1220.7	1235.0	1249.2	1270.6
32.5°	1349.7	1324.3	1294.3	1266.6	1241.3	1218.6	1203.8	1189.0	1203.8	1218.6	1241.3
35°	1310.9	1285.8	1254.6	1223.8	1193.3	1166.8	1152.6	1138.3	1152.6	1166.8	1193.3
37.5°	1232.7	1219.5	1202.0	1176.2	1142.0	1112.3	1096.2	1080.0	1096.2	1112.3	1142.0
40°	1162.1	1161.7	1158.3	1140.4	1107.8	1078.1	1057.1	1036.1	1057.1	1078.1	1107.8
42.5°	1065.4	1085.2	1098.7	1094.0	1071.2	1047.4	1020.4	993.4	1020.4	1047.4	1071.2
45°	858.4	916.6	985.1	1014.9	1006.1	991.5	959.6	927.8	959.6	991.5	1006.1
47.5°	720.7	781.3	855.7	900.9	916.8	920.8	889.3	857.9	889.3	920.8	916.8
50°	644.1	695.8	758.9	809.8	848.4	869.9	840.1	810.3	840.1	869.9	848.4
52.5°	568.6	616.5	671.4	725.0	777.2	809.7	783.1	756.5	783.1	809.7	777.2
55°	442.2	496.9	561.4	620.4	673.9	709.5	691.2	672.9	691.2	709.5	673.9
57.5°	330.0	394.0	469.7	528.3	570.0	598.0	585.1	572.2	585.1	598.0	570.0
60°	272.6	332.1	406.7	462.7	500.0	525.4	515.2	505.1	515.2	525.4	500.0
62.5°	238.3	285.8	347.3	397.3	435.7	462.2	453.1	444.0	453.1	462.2	435.7
65°	204.3	233.0	270.9	309.9	349.9	377.7	368.9	360.1	368.9	377.7	349.9
67.5°	178.3	193.2	212.7	241.5	279.6	305.8	296.2	286.6	296.2	305.8	279.6
70°	159.9	168.4	179.2	202.6	238.6	263.0	252.8	242.6	252.8	263.0	238.6
72.5°	140.5	146.0	153.0	172.4	204.0	225.3	215.6	206.0	215.6	225.3	204.0
75°	112.7	115.5	118.9	132.1	155.1	170.6	163.1	155.6	163.1	170.6	155.1
77.5°	85.6	87.1	88.8	97.3	112.3	122.4	117.7	112.9	117.7	122.4	112.3
80°	68.5	69.2	69.9	75.3	85.5	92.6	90.5	88.5	90.5	92.6	85.5
82.5°	51.3	52.1	52.8	55.7	61.0	65.2	65.9	66.5	65.9	65.2	61.0
85°	22.4	24.9	27.6	29.7	31.0	32.4	33.7	35.1	33.7	32.4	31.0
87.5°	9.6	9.7	10.3	11.6	13.5	14.4	13.0	11.8	13.0	14.1	14.0
90°	29.7	28.3	28.3	26.9	22.6	17.0	9.9	4.2	9.9	15.6	25.5
92.5°	35.4	35.1	32.8	30.3	24.9	24.9	24.6	15.6	26.9	38.2	54.9
95°	32.5	32.5	38.2	48.1	70.7	72.2	48.1	43.9	62.3	87.7	110.4
97.5°	88.0	104.7	128.5	133.0	125.9	93.9	90.0	83.8	114.0	139.2	175.7
100°	162.7	183.9	200.9	166.9	131.6	130.2	121.7	118.8	151.4	175.4	210.8
102.5°	254.4	260.9	202.0	182.8	174.6	168.6	155.6	153.9	186.5	219.6	249.3
105°	275.9	247.6	249.0	249.0	243.3	232.0	208.0	206.6	243.3	281.5	318.3
107.5°	324.6	328.8	336.2	334.5	328.0	297.7	269.4	262.9	296.0	341.8	382.3
110°	389.1	393.3	396.1	393.3	383.4	345.2	311.3	301.4	331.1	379.2	423.0



TEST NUMBER: P1428094

CATALOG NUMBER: SQ2W-PP3-K-100U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	451.3	454.4	460.7	452.2	435.5	391.6	353.1	338.7	368.4	417.7	462.6
115°	550.4	550.4	551.8	547.5	513.6	468.3	417.4	396.1	421.6	466.9	516.4
117.5°	647.7	649.4	643.7	632.4	593.1	540.5	483.3	449.3	469.4	517.3	568.2
120°	708.8	711.6	706.0	689.0	650.8	591.4	526.3	486.7	502.3	548.9	599.9
122.5°	772.2	771.6	764.8	745.6	700.6	638.9	575.0	526.3	532.8	576.1	625.9
125°	860.2	858.8	853.1	830.5	783.8	720.1	645.2	585.7	577.2	614.0	665.0
127.5°	944.0	940.8	932.1	904.6	856.8	795.4	713.1	645.7	626.8	650.0	696.7
130°	1001.7	997.4	981.9	952.2	905.5	847.5	764.0	687.6	660.7	674.9	715.9
132.5°	1057.1	1045.0	1031.7	999.7	956.4	896.1	811.5	731.7	694.7	700.9	732.9
135°	1127.6	1116.3	1099.3	1068.2	1027.2	967.7	882.8	796.5	745.6	739.9	758.3
137.5°	1189.6	1177.7	1158.4	1131.6	1090.3	1037.3	955.8	864.7	800.5	781.5	788.6
140°	1228.1	1213.9	1196.9	1170.0	1133.3	1078.1	998.9	911.1	839.0	812.1	807.9
142.5°	1259.7	1249.0	1230.9	1206.3	1174.0	1118.8	1041.9	955.3	878.6	843.8	833.9
145°	1307.3	1298.8	1279.0	1256.4	1229.5	1174.3	1103.6	1017.2	940.8	895.6	874.4
147.5°	1347.5	1340.7	1325.1	1298.5	1275.9	1223.0	1158.4	1082.0	1003.7	947.6	920.2
150°	1372.4	1366.7	1351.1	1325.7	1303.0	1253.5	1191.3	1120.5	1045.5	986.1	950.8
152.5°	1396.1	1390.5	1372.6	1347.2	1327.9	1281.8	1225.2	1157.9	1081.8	1022.3	985.8
155°	1427.5	1420.5	1403.5	1379.4	1362.5	1320.0	1267.7	1208.2	1143.2	1080.9	1039.9
157.5°	1452.4	1443.7	1427.8	1407.2	1389.1	1350.0	1304.5	1253.2	1196.4	1136.9	1095.1
160°	1467.2	1457.3	1440.3	1421.9	1404.9	1368.1	1327.1	1280.4	1228.1	1174.3	1129.0
162.5°	1477.3	1468.6	1448.2	1432.1	1417.4	1384.0	1345.2	1303.0	1256.4	1209.4	1167.5
165°	1488.4	1478.5	1457.3	1444.5	1431.8	1403.5	1369.5	1335.6	1296.0	1257.8	1223.8
167.5°	1489.2	1481.0	1459.8	1447.4	1438.0	1413.7	1386.2	1360.2	1329.4	1299.4	1271.1
170°	1487.0	1479.9	1458.7	1447.4	1440.3	1420.5	1396.4	1373.8	1349.7	1324.3	1301.6
172.5°	1479.0	1472.0	1451.9	1442.8	1439.1	1421.6	1402.1	1385.1	1364.4	1345.8	1327.7
175°	1458.7	1453.0	1436.0	1430.4	1431.8	1420.5	1406.3	1396.4	1383.7	1372.4	1362.5
177.5°	1429.0	1425.6	1413.1	1413.1	1417.6	1410.8	1406.3	1401.8	1396.1	1392.7	1389.3
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1428094

CATALOG NUMBER: SQ2W-PP3-K-100U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5	1443.5
2.5°	1442.8	1440.4	1441.5	1442.6	1443.6	1444.7	1443.6	1442.6	1441.5	1440.4	1442.8
5°	1442.0	1439.6	1441.0	1443.2	1447.9	1452.7	1447.9	1443.2	1441.0	1439.6	1442.0
7.5°	1437.3	1435.5	1437.8	1441.0	1446.8	1452.7	1446.8	1441.0	1437.8	1435.5	1437.3
10°	1431.0	1429.9	1433.3	1437.1	1441.8	1446.6	1441.8	1437.1	1433.3	1429.9	1431.0
12.5°	1419.7	1419.5	1424.0	1428.4	1432.6	1436.8	1432.6	1428.4	1424.0	1419.5	1419.7
15°	1402.1	1403.8	1409.9	1415.4	1418.8	1422.2	1418.8	1415.4	1409.9	1403.8	1402.1
17.5°	1384.1	1388.3	1397.0	1404.4	1407.9	1411.5	1407.9	1404.4	1397.0	1388.3	1384.1
20°	1371.1	1377.2	1388.1	1397.9	1404.7	1411.5	1404.7	1397.9	1388.1	1377.2	1371.1
22.5°	1355.9	1365.3	1381.6	1396.7	1408.3	1420.0	1408.3	1396.7	1381.6	1365.3	1355.9
25°	1335.0	1351.6	1375.4	1397.6	1415.2	1432.8	1415.2	1397.6	1375.4	1351.6	1335.0
27.5°	1314.5	1337.9	1364.6	1388.1	1402.1	1416.0	1402.1	1388.1	1364.6	1337.9	1314.5
30°	1294.3	1320.1	1347.9	1372.0	1384.9	1397.7	1384.9	1372.0	1347.9	1320.1	1294.3
32.5°	1266.6	1294.3	1324.3	1349.7	1361.5	1373.3	1361.5	1349.7	1324.3	1294.3	1266.6
35°	1223.8	1254.6	1285.8	1310.9	1317.7	1324.5	1317.7	1310.9	1285.8	1254.6	1223.8
37.5°	1176.2	1202.0	1219.5	1232.7	1233.1	1233.5	1233.1	1232.7	1219.5	1202.0	1176.2
40°	1140.4	1158.3	1161.7	1162.1	1153.3	1144.4	1153.3	1162.1	1161.7	1158.3	1140.4
42.5°	1094.0	1098.7	1085.2	1065.4	1026.2	987.0	1026.2	1065.4	1085.2	1098.7	1094.0
45°	1014.9	985.1	916.6	858.4	831.3	804.2	831.3	858.4	916.6	985.1	1014.9
47.5°	900.9	855.7	781.3	720.7	702.0	683.3	702.0	720.7	781.3	855.7	900.9
50°	809.8	758.9	695.8	644.1	626.5	608.8	626.5	644.1	695.8	758.9	809.8
52.5°	725.0	671.4	616.5	568.6	541.7	514.8	541.7	568.6	616.5	671.4	725.0
55°	620.4	561.4	496.9	442.2	416.4	390.6	416.4	442.2	496.9	561.4	620.4
57.5°	528.3	469.7	394.0	330.0	301.1	272.2	301.1	330.0	394.0	469.7	528.3
60°	462.7	406.7	332.1	272.6	258.4	244.1	258.4	272.6	332.1	406.7	462.7
62.5°	397.3	347.3	285.8	238.3	233.3	228.3	233.3	238.3	285.8	347.3	397.3
65°	309.9	270.9	233.0	204.3	203.6	202.9	203.6	204.3	233.0	270.9	309.9
67.5°	241.5	212.7	193.2	178.3	177.5	176.7	177.5	178.3	193.2	212.7	241.5
70°	202.6	179.2	168.4	159.9	158.5	157.2	158.5	159.9	168.4	179.2	202.6
72.5°	172.4	153.0	146.0	140.5	139.7	138.9	139.7	140.5	146.0	153.0	172.4
75°	132.1	118.9	115.5	112.7	112.1	111.4	112.1	112.7	115.5	118.9	132.1
77.5°	97.3	88.8	87.1	85.6	84.9	84.2	84.9	85.6	87.1	88.8	97.3
80°	75.3	69.9	69.2	68.5	67.8	67.1	67.8	68.5	69.2	69.9	75.3
82.5°	55.7	52.8	52.1	51.3	50.0	48.8	50.0	51.3	52.1	52.8	55.7
85°	29.7	27.6	24.9	22.4	20.3	18.3	20.3	22.4	24.9	27.6	29.7
87.5°	12.7	13.1	14.5	15.3	16.4	15.8	16.4	15.3	14.5	13.1	12.7
90°	32.5	42.4	52.3	58.0	63.7	60.8	63.7	58.0	52.3	42.4	32.5
92.5°	65.4	82.1	94.2	104.4	108.9	108.4	108.9	104.4	94.2	82.1	65.4
95°	131.6	151.4	171.2	185.3	193.8	191.0	193.8	185.3	171.2	151.4	131.6
97.5°	202.9	229.5	251.6	264.9	273.3	279.0	273.3	264.9	251.6	229.5	202.9
100°	250.4	275.9	301.4	316.9	331.1	336.7	331.1	316.9	301.4	275.9	250.4
102.5°	288.9	322.3	350.0	366.7	378.6	384.3	378.6	366.7	350.0	322.3	288.9
105°	352.3	387.7	417.4	438.6	451.3	455.6	451.3	438.6	417.4	387.7	352.3
107.5°	415.7	452.2	479.6	503.1	518.7	527.7	518.7	503.1	479.6	452.2	415.7
110°	465.5	495.2	524.9	546.1	561.7	567.3	561.7	546.1	524.9	495.2	465.5



TEST NUMBER: P1428094

CATALOG NUMBER: SQ2W-PP3-K-100U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	507.4	540.5	570.2	591.4	609.2	617.1	609.2	591.4	570.2	540.5	507.4
115°	565.9	609.8	636.7	656.5	669.2	676.3	669.2	656.5	636.7	609.8	565.9
117.5°	614.6	660.4	689.9	705.1	711.1	716.2	711.1	705.1	689.9	660.4	614.6
120°	645.2	687.6	721.6	741.4	748.4	751.3	748.4	741.4	721.6	687.6	645.2
122.5°	673.4	713.6	746.5	770.8	782.4	785.2	782.4	770.8	746.5	713.6	673.4
125°	713.1	751.3	785.2	809.3	822.0	829.1	822.0	809.3	785.2	751.3	713.1
127.5°	747.6	788.9	820.0	841.8	854.3	859.9	854.3	841.8	820.0	788.9	747.6
130°	766.8	809.3	840.4	864.4	875.8	881.4	875.8	864.4	840.4	809.3	766.8
132.5°	781.5	826.2	858.5	880.3	892.7	898.4	892.7	880.3	858.5	826.2	781.5
135°	799.4	846.1	880.0	901.2	912.6	918.2	912.6	901.2	880.0	846.1	799.4
137.5°	814.9	857.4	892.7	915.1	925.3	929.0	925.3	915.1	892.7	857.4	814.9
140°	826.2	863.0	898.4	919.6	930.9	932.4	930.9	919.6	898.4	863.0	826.2
142.5°	841.0	869.8	900.7	921.9	933.2	935.8	933.2	921.9	900.7	869.8	841.0
145°	867.3	884.3	905.5	925.3	935.2	938.0	935.2	925.3	905.5	884.3	867.3
147.5°	900.4	905.8	916.8	929.8	939.4	941.4	939.4	929.8	916.8	905.8	900.4
150°	925.3	923.9	928.1	936.6	945.1	943.7	945.1	936.6	928.1	923.9	925.3
152.5°	953.6	945.4	945.1	949.1	953.0	952.7	953.0	949.1	945.1	945.4	953.6
155°	1001.7	986.1	977.6	974.8	974.8	973.4	974.8	974.8	977.6	986.1	1001.7
157.5°	1054.6	1032.8	1020.1	1013.3	1011.3	1008.2	1011.3	1013.3	1020.1	1032.8	1054.6
160°	1090.8	1066.8	1054.0	1042.7	1038.5	1034.2	1038.5	1042.7	1054.0	1066.8	1090.8
162.5°	1124.8	1101.9	1088.0	1077.8	1073.6	1067.1	1073.6	1077.8	1088.0	1101.9	1124.8
165°	1180.0	1155.9	1140.3	1131.8	1126.2	1120.5	1126.2	1131.8	1140.3	1155.9	1180.0
167.5°	1235.1	1208.8	1198.6	1189.0	1183.6	1173.4	1183.6	1189.0	1198.6	1208.8	1235.1
170°	1269.1	1245.0	1239.4	1230.9	1221.0	1209.7	1221.0	1230.9	1239.4	1245.0	1269.1
172.5°	1298.5	1282.4	1276.7	1268.2	1265.1	1256.1	1265.1	1268.2	1276.7	1282.4	1298.5
175°	1341.2	1328.5	1328.5	1327.1	1322.8	1314.4	1322.8	1327.1	1328.5	1328.5	1341.2
177.5°	1376.9	1370.1	1374.6	1374.6	1373.5	1365.6	1373.5	1374.6	1374.6	1370.1	1376.9
180°	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1428094

CATALOG NUMBER: SQ2W-PP3-K-100U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1443.5	1443.5	1443.5	1443.5
2.5°	1448.8	1451.0	1441.7	1432.5
5°	1448.1	1449.8	1438.3	1426.7
7.5°	1443.3	1444.8	1433.0	1421.2
10°	1436.4	1437.9	1427.7	1417.6
12.5°	1424.6	1425.8	1416.2	1406.6
15°	1404.9	1404.7	1395.9	1387.1
17.5°	1384.4	1381.9	1371.2	1360.5
20°	1369.8	1365.5	1352.6	1339.8
22.5°	1353.5	1347.9	1332.8	1317.8
25°	1325.5	1314.7	1299.7	1284.8
27.5°	1294.6	1275.9	1261.1	1246.4
30°	1270.6	1249.2	1235.0	1220.7
32.5°	1241.3	1218.6	1203.8	1189.0
35°	1193.3	1166.8	1152.6	1138.3
37.5°	1142.0	1112.3	1096.2	1080.0
40°	1107.8	1078.1	1057.1	1036.1
42.5°	1071.2	1047.4	1020.4	993.4
45°	1006.1	991.5	959.6	927.8
47.5°	916.8	920.8	889.3	857.9
50°	848.4	869.9	840.1	810.3
52.5°	777.2	809.7	783.1	756.5
55°	673.9	709.5	691.2	672.9
57.5°	570.0	598.0	585.1	572.2
60°	500.0	525.4	515.2	505.1
62.5°	435.7	462.2	453.1	444.0
65°	349.9	377.7	368.9	360.1
67.5°	279.6	305.8	296.2	286.6
70°	238.6	263.0	252.8	242.6
72.5°	204.0	225.3	215.6	206.0
75°	155.1	170.6	163.1	155.6
77.5°	112.3	122.4	117.7	112.9
80°	85.5	92.6	90.5	88.5
82.5°	61.0	65.2	65.9	66.5
85°	31.0	32.4	33.7	35.1
87.5°	14.0	14.1	13.0	11.8
90°	25.5	15.6	9.9	4.2
92.5°	54.9	38.2	26.9	15.6
95°	110.4	87.7	62.3	43.9
97.5°	175.7	139.2	114.0	83.8
100°	210.8	175.4	151.4	118.8
102.5°	249.3	219.6	186.5	153.9
105°	318.3	281.5	243.3	206.6
107.5°	382.3	341.8	296.0	262.9
110°	423.0	379.2	331.1	301.4



TEST NUMBER: P1428094

CATALOG NUMBER: SQ2W-PP3-K-100U-075D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	462.6	417.7	368.4	338.7
115°	516.4	466.9	421.6	396.1
117.5°	568.2	517.3	469.4	449.3
120°	599.9	548.9	502.3	486.7
122.5°	625.9	576.1	532.8	526.3
125°	665.0	614.0	577.2	585.7
127.5°	696.7	650.0	626.8	645.7
130°	715.9	674.9	660.7	687.6
132.5°	732.9	700.9	694.7	731.7
135°	758.3	739.9	745.6	796.5
137.5°	788.6	781.5	800.5	864.7
140°	807.9	812.1	839.0	911.1
142.5°	833.9	843.8	878.6	955.3
145°	874.4	895.6	940.8	1017.2
147.5°	920.2	947.6	1003.7	1082.0
150°	950.8	986.1	1045.5	1120.5
152.5°	985.8	1022.3	1081.8	1157.9
155°	1039.9	1080.9	1143.2	1208.2
157.5°	1095.1	1136.9	1196.4	1253.2
160°	1129.0	1174.3	1228.1	1280.4
162.5°	1167.5	1209.4	1256.4	1303.0
165°	1223.8	1257.8	1296.0	1335.6
167.5°	1271.1	1299.4	1329.4	1360.2
170°	1301.6	1324.3	1349.7	1373.8
172.5°	1327.7	1345.8	1364.4	1385.1
175°	1362.5	1372.4	1383.7	1396.4
177.5°	1389.3	1392.7	1396.1	1401.8
180°	1400.7	1400.7	1400.7	1400.7



TEST NUMBER: P1428094
 CATALOG NUMBER: SQ2W-PP3-K-100U-075D-L940-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	18.11	18.92	19.10	19.92	21.23	13.88	14.69	14.87	15.69	17.00
	3H	19.17	19.89	20.17	20.90	22.23	15.19	15.91	16.19	16.92	18.25
	4H	19.54	20.22	20.55	21.23	22.57	15.75	16.43	16.76	17.44	18.78
	6H	19.73	20.35	20.75	21.37	22.72	16.11	16.73	17.13	17.75	19.10
	8H	19.79	20.38	20.82	21.41	22.77	16.23	16.83	17.26	17.86	19.21
	12H	19.81	20.37	20.84	21.40	22.77	16.27	16.83	17.30	17.86	19.23
4H	2H	18.23	18.91	19.25	19.92	21.26	14.79	15.47	15.81	16.48	17.82
	3H	19.52	20.08	20.54	21.12	22.48	16.21	16.77	17.23	17.81	19.17
	4H	20.02	20.54	21.06	21.57	22.95	16.82	17.34	17.86	18.37	19.75
	6H	20.33	20.78	21.38	21.83	23.21	17.27	17.71	18.31	18.76	20.14
	8H	20.44	20.86	21.49	21.90	23.29	17.44	17.85	18.48	18.90	20.29
	12H	20.48	20.86	21.55	21.92	23.31	17.48	17.86	18.55	18.92	20.31
8H	4H	20.04	20.45	21.08	21.50	22.89	17.13	17.54	18.18	18.59	19.98
	6H	20.45	20.79	21.52	21.88	23.27	17.69	18.03	18.76	19.12	20.51
	8H	20.63	20.93	21.70	22.00	23.41	17.94	18.24	19.01	19.31	20.72
	12H	20.72	20.99	21.80	22.05	23.50	18.03	18.30	19.11	19.36	20.81
12H	4H	19.99	20.37	21.06	21.43	22.82	17.14	17.51	18.20	18.57	19.97
	6H	20.44	20.74	21.52	21.81	23.22	17.75	18.05	18.83	19.13	20.53
	8H	20.63	20.90	21.71	21.97	23.41	18.03	18.29	19.11	19.36	20.81