

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: P1428212

Luminaire Tested: SQ2W-PR1-K-050U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428212  
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-050U-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 500 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

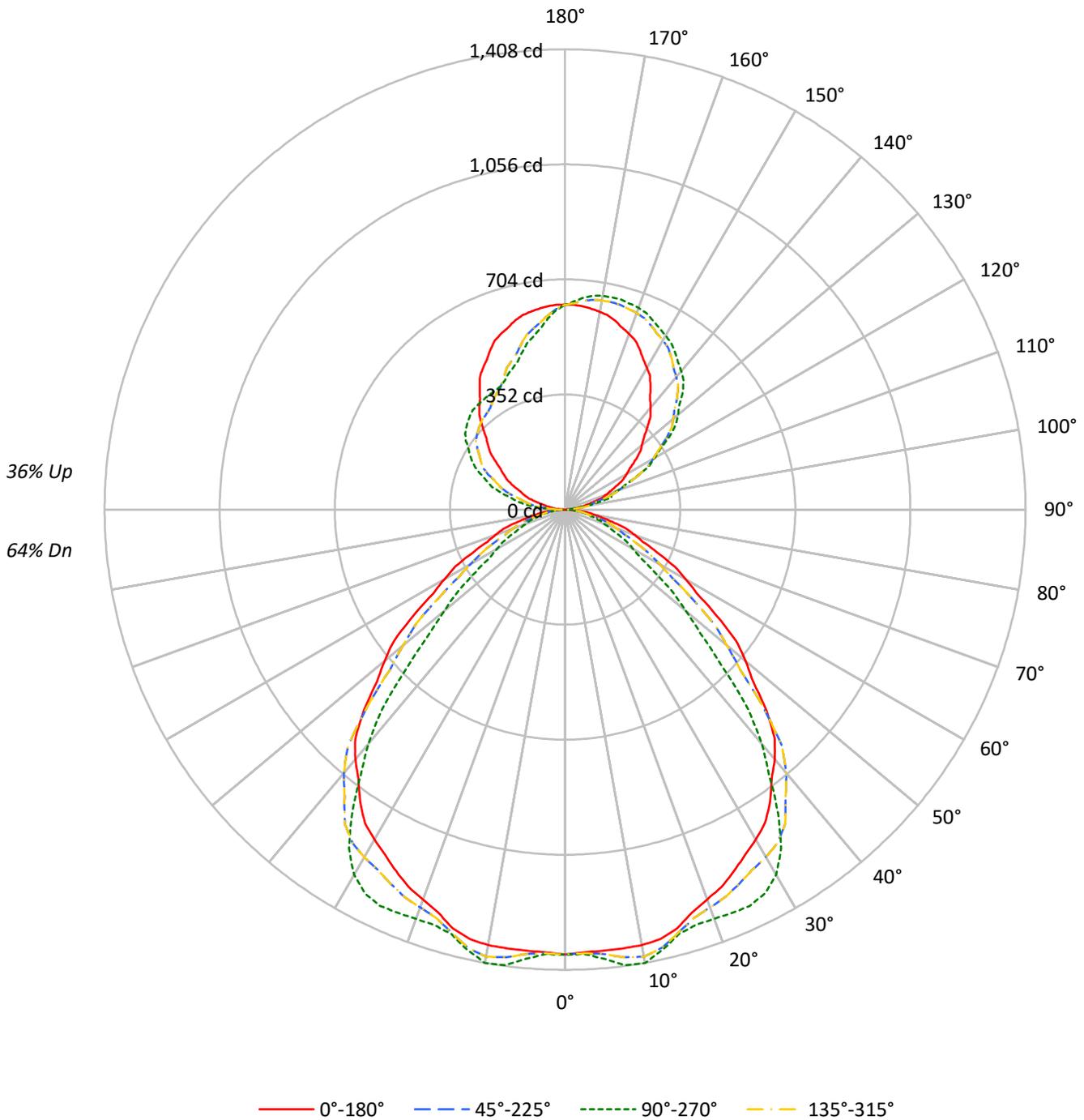
Lumens per Lamp: N/A  
Luminaire Lumens: 5105.2 lumens  
Efficiency: N/A  
Efficacy: 122.7 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 41.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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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CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L930-UNV-STD-W-WM-4

### 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	111	111	111	111	104	104	104	104	91	91	91	80	80	80	69	69	69	64				
1	102	98	94	91	96	92	89	86	81	79	77	71	70	68	62	61	60	56				
2	93	86	80	75	88	81	76	72	72	68	65	64	61	58	56	54	52	48				
3	86	76	69	64	80	72	66	61	64	59	55	57	53	50	50	47	45	41				
4	79	68	60	55	74	65	58	52	58	52	48	51	47	43	45	42	39	36				
5	73	61	53	47	68	58	51	45	52	46	42	46	42	38	41	38	35	32				
6	67	55	47	41	63	52	45	40	47	41	37	42	37	34	37	34	31	28				
7	62	50	42	37	58	48	40	35	43	37	33	38	34	30	34	30	28	25				
8	58	46	38	33	54	43	36	31	39	33	29	35	31	27	32	28	25	23				
9	54	42	34	29	51	40	33	28	36	30	26	33	28	24	29	25	22	20				
10	50	38	31	26	48	37	30	26	33	28	24	30	25	22	27	23	20	19				

**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	2.6
10°-20°	380.5	7.5
20°-30°	588.2	11.5
30°-40°	707.4	13.9
40°-50°	635.2	12.4
50°-60°	425.6	8.3
60°-70°	247.6	4.9
70°-80°	127.2	2.5
80°-90°	34.0	0.7
90°-100°	49.8	1.0
100°-110°	145.3	2.8
110°-120°	237.1	4.6
120°-130°	300.9	5.9
130°-140°	322.0	6.3
140°-150°	300.7	5.9
150°-160°	247.4	4.8
160°-170°	165.9	3.3
170°-180°	58.9	1.2
0°-30°	1100.2	21.6
0°-40°	1807.6	35.4
0°-60°	2868.4	56.2
0°-90°	3277.2	64.2
90°-120°	432.3	8.5
90°-150°	1355.8	26.6
90°-180°	1828.0	35.8
0°-180°	5105.2	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°	2	14	2	27	2	3
95°	20	14	20	85	20	24
105°	92	148	92	204	92	98
115°	177	245	177	302	177	175
125°	262	389	262	371	262	234
135°	356	509	356	410	356	275
145°	455	587	455	419	455	285
155°	540	638	540	435	540	248
165°	597	665	597	501	597	168
175°	624	651	624	588	624	59
180°	626	626	626	626	626	



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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°	9.3	9.8	10.4	9.1	7.0	5.9	5.9	6.0	6.1	6.1	6.1
90°	1.9	4.4	7.6	10.1	12.0	12.6	12.6	13.3	13.9	13.9	13.9
92.5°	7.0	11.0	11.1	11.1	13.5	14.7	15.7	15.8	16.4	16.4	16.4
95°	19.6	21.5	32.3	31.6	21.5	17.1	14.5	14.5	14.5	14.5	14.5
97.5°	37.4	40.2	42.0	56.3	59.4	57.4	46.8	39.3	35.2	33.3	35.2
100°	53.1	54.4	58.2	58.8	74.6	89.8	82.2	72.7	69.6	67.7	69.6
102.5°	68.8	69.6	75.4	78.0	81.7	90.3	116.6	113.7	111.6	111.2	111.6
105°	92.3	93.0	103.7	108.8	111.3	111.3	110.7	123.3	143.6	148.0	143.6
107.5°	117.5	120.4	133.1	146.6	149.5	150.3	147.0	145.1	144.3	144.8	144.3
110°	134.7	139.1	154.3	171.4	175.8	177.1	175.8	173.9	172.6	172.6	172.6



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CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	151.4	157.8	175.0	194.7	202.1	205.9	203.1	201.7	200.5	201.5	200.5
115°	177.1	186.6	209.3	229.6	244.7	246.6	246.0	246.0	245.4	245.4	245.4
117.5°	200.9	216.0	241.6	265.1	282.7	287.7	290.3	289.5	288.8	290.0	288.8
120°	217.5	235.3	264.3	290.9	308.0	315.6	318.1	316.8	318.1	316.8	318.1
122.5°	235.3	257.0	285.6	313.2	333.3	341.9	344.9	345.2	345.4	344.7	345.4
125°	261.8	288.4	321.9	350.4	371.2	381.3	383.9	384.5	385.8	388.9	385.8
127.5°	288.6	318.7	355.5	383.0	404.4	416.6	420.5	421.9	424.6	426.0	424.6
130°	307.3	341.5	378.8	404.7	425.6	438.9	445.8	447.7	450.9	450.3	450.9
132.5°	327.1	362.7	400.6	427.5	446.9	461.2	467.1	472.5	473.7	474.6	473.7
135°	356.0	394.6	432.6	459.1	477.5	491.4	499.0	504.0	507.2	509.1	507.2
137.5°	386.5	427.3	463.7	487.3	505.8	517.8	526.4	531.7	535.0	536.5	535.0
140°	407.3	446.5	481.9	506.6	523.0	535.0	542.6	548.9	552.7	552.7	552.7
142.5°	427.0	465.7	500.1	524.8	539.2	550.2	558.3	563.1	567.4	567.4	567.4
145°	454.7	493.3	524.9	549.6	561.6	571.7	580.5	584.3	586.9	586.9	586.9
147.5°	483.7	517.8	546.7	570.3	580.4	592.3	599.3	602.3	605.5	604.1	605.5
150°	500.9	532.5	560.3	582.4	592.6	603.9	610.9	613.4	616.6	614.7	616.6
152.5°	517.6	547.7	573.0	593.6	602.2	613.6	621.5	624.1	626.2	624.8	626.2
155°	540.1	566.6	590.0	609.0	616.6	627.3	634.9	638.1	640.6	637.5	640.6
157.5°	560.2	583.1	603.4	620.9	629.0	638.2	645.3	649.2	651.8	650.4	651.8
160°	572.3	593.2	611.5	628.0	635.6	643.8	651.4	655.8	658.3	656.4	658.3
162.5°	582.4	601.3	618.6	633.5	640.1	647.3	656.4	660.4	662.9	660.5	662.9
165°	597.0	612.2	627.3	640.0	645.7	651.4	660.9	665.3	667.2	664.7	667.2
167.5°	608.0	619.6	631.9	642.8	647.0	652.5	662.0	665.7	668.1	664.9	668.1
170°	614.1	624.2	634.9	643.8	647.0	652.0	661.5	664.7	666.6	663.4	666.6
172.5°	619.1	626.7	635.4	643.3	644.9	649.0	658.0	661.1	662.5	659.9	662.5
175°	624.2	628.6	634.9	640.0	639.4	641.9	649.5	652.0	654.5	650.7	654.5
177.5°	626.6	628.6	630.6	633.7	631.6	631.6	637.2	638.7	639.2	637.2	639.2
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



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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°	6.0	5.9	5.9	7.0	9.1	10.4	9.8	9.3	9.8	10.3	9.3
90°	13.3	12.6	12.6	12.0	10.1	7.6	4.4	1.9	4.4	7.0	11.4
92.5°	15.8	15.7	14.7	13.5	11.1	11.1	11.0	7.0	12.0	17.1	24.5
95°	14.5	14.5	17.1	21.5	31.6	32.3	21.5	19.6	27.8	39.2	49.3
97.5°	39.3	46.8	57.4	59.4	56.3	42.0	40.2	37.4	51.0	62.2	78.5
100°	72.7	82.2	89.8	74.6	58.8	58.2	54.4	53.1	67.7	78.4	94.2
102.5°	113.7	116.6	90.3	81.7	78.0	75.4	69.6	68.8	83.4	98.1	111.4
105°	123.3	110.7	111.3	111.3	108.8	103.7	93.0	92.3	108.8	125.8	142.3
107.5°	145.1	147.0	150.3	149.5	146.6	133.1	120.4	117.5	132.3	152.8	170.9
110°	173.9	175.8	177.1	175.8	171.4	154.3	139.1	134.7	148.0	169.5	189.1



TEST NUMBER: P1428212

CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	201.7	203.1	205.9	202.1	194.7	175.0	157.8	151.4	164.7	186.7	206.8
115°	246.0	246.0	246.6	244.7	229.6	209.3	186.6	177.1	188.5	208.7	230.8
117.5°	289.5	290.3	287.7	282.7	265.1	241.6	216.0	200.9	209.8	231.2	254.0
120°	316.8	318.1	315.6	308.0	290.9	264.3	235.3	217.5	224.5	245.4	268.1
122.5°	345.2	344.9	341.9	333.3	313.2	285.6	257.0	235.3	238.2	257.5	279.8
125°	384.5	383.9	381.3	371.2	350.4	321.9	288.4	261.8	258.0	274.5	297.2
127.5°	421.9	420.5	416.6	404.4	383.0	355.5	318.7	288.6	280.2	290.5	311.4
130°	447.7	445.8	438.9	425.6	404.7	378.8	341.5	307.3	295.3	301.7	320.0
132.5°	472.5	467.1	461.2	446.9	427.5	400.6	362.7	327.1	310.5	313.3	327.6
135°	504.0	499.0	491.4	477.5	459.1	432.6	394.6	356.0	333.3	330.7	339.0
137.5°	531.7	526.4	517.8	505.8	487.3	463.7	427.3	386.5	357.8	349.3	352.5
140°	548.9	542.6	535.0	523.0	506.6	481.9	446.5	407.3	375.0	363.0	361.1
142.5°	563.1	558.3	550.2	539.2	524.8	500.1	465.7	427.0	392.7	377.2	372.7
145°	584.3	580.5	571.7	561.6	549.6	524.9	493.3	454.7	420.5	400.3	390.8
147.5°	602.3	599.3	592.3	580.4	570.3	546.7	517.8	483.7	448.6	423.6	411.3
150°	613.4	610.9	603.9	592.6	582.4	560.3	532.5	500.9	467.3	440.8	425.0
152.5°	624.1	621.5	613.6	602.2	593.6	573.0	547.7	517.6	483.5	457.0	440.7
155°	638.1	634.9	627.3	616.6	609.0	590.0	566.6	540.1	511.0	483.2	464.8
157.5°	649.2	645.3	638.2	629.0	620.9	603.4	583.1	560.2	534.8	508.2	489.5
160°	655.8	651.4	643.8	635.6	628.0	611.5	593.2	572.3	548.9	524.9	504.7
162.5°	660.4	656.4	647.3	640.1	633.5	618.6	601.3	582.4	561.6	540.6	521.9
165°	665.3	660.9	651.4	645.7	640.0	627.3	612.2	597.0	579.3	562.2	547.0
167.5°	665.7	662.0	652.5	647.0	642.8	631.9	619.6	608.0	594.2	580.8	568.2
170°	664.7	661.5	652.0	647.0	643.8	634.9	624.2	614.1	603.3	591.9	581.8
172.5°	661.1	658.0	649.0	644.9	643.3	635.4	626.7	619.1	609.9	601.5	593.4
175°	652.0	649.5	641.9	639.4	640.0	634.9	628.6	624.2	618.5	613.4	609.0
177.5°	638.7	637.2	631.6	631.6	633.7	630.6	628.6	626.6	624.1	622.5	621.0
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



TEST NUMBER: P1428212

CATALOG NUMBER: SQ2W-PR1-K-050U-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°	7.5	7.1	8.0	8.5	9.0	8.8	9.0	8.5	8.0	7.1	7.5
90°	14.5	19.0	23.4	25.9	28.5	27.2	28.5	25.9	23.4	19.0	14.5
92.5°	29.2	36.7	42.1	46.7	48.7	48.4	48.7	46.7	42.1	36.7	29.2
95°	58.8	67.7	76.5	82.8	86.6	85.4	86.6	82.8	76.5	67.7	58.8
97.5°	90.7	102.6	112.4	118.4	122.2	124.7	122.2	118.4	112.4	102.6	90.7
100°	111.9	123.3	134.7	141.7	148.0	150.5	148.0	141.7	134.7	123.3	111.9
102.5°	129.1	144.1	156.5	163.9	169.2	171.8	169.2	163.9	156.5	144.1	129.1
105°	157.5	173.3	186.6	196.0	201.7	203.6	201.7	196.0	186.6	173.3	157.5
107.5°	185.8	202.1	214.4	224.9	231.8	235.9	231.8	224.9	214.4	202.1	185.8
110°	208.1	221.3	234.6	244.1	251.1	253.6	251.1	244.1	234.6	221.3	208.1



TEST NUMBER: P1428212

CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	226.8	241.6	254.9	264.3	272.3	275.9	272.3	264.3	254.9	241.6	226.8
115°	253.0	272.6	284.6	293.4	299.1	302.3	299.1	293.4	284.6	272.6	253.0
117.5°	274.7	295.2	308.4	315.2	317.8	320.1	317.8	315.2	308.4	295.2	274.7
120°	288.4	307.3	322.5	331.4	334.5	335.8	334.5	331.4	322.5	307.3	288.4
122.5°	301.0	319.0	333.7	344.5	349.7	351.0	349.7	344.5	333.7	319.0	301.0
125°	318.7	335.8	351.0	361.7	367.4	370.6	367.4	361.7	351.0	335.8	318.7
127.5°	334.2	352.6	366.5	376.3	381.8	384.4	381.8	376.3	366.5	352.6	334.2
130°	342.8	361.7	375.6	386.4	391.5	394.0	391.5	386.4	375.6	361.7	342.8
132.5°	349.3	369.3	383.7	393.5	399.0	401.6	399.0	393.5	383.7	369.3	349.3
135°	357.3	378.2	393.4	402.8	407.9	410.4	407.9	402.8	393.4	378.2	357.3
137.5°	364.3	383.2	399.0	409.0	413.6	415.2	413.6	409.0	399.0	383.2	364.3
140°	369.3	385.8	401.6	411.1	416.1	416.8	416.1	411.1	401.6	385.8	369.3
142.5°	375.9	388.8	402.6	412.1	417.1	418.3	417.1	412.1	402.6	388.8	375.9
145°	387.7	395.3	404.7	413.6	418.0	419.3	418.0	413.6	404.7	395.3	387.7
147.5°	402.5	404.9	409.8	415.6	419.9	420.8	419.9	415.6	409.8	404.9	402.5
150°	413.6	413.0	414.9	418.7	422.4	421.8	422.4	418.7	414.9	413.0	413.6
152.5°	426.2	422.6	422.4	424.2	426.0	425.9	426.0	424.2	422.4	422.6	426.2
155°	447.7	440.8	437.0	435.7	435.7	435.1	435.7	435.7	437.0	440.8	447.7
157.5°	471.4	461.7	456.0	452.9	452.0	450.7	452.0	452.9	456.0	461.7	471.4
160°	487.6	476.8	471.1	466.1	464.2	462.3	464.2	466.1	471.1	476.8	487.6
162.5°	502.8	492.5	486.3	481.8	479.9	477.0	479.9	481.8	486.3	492.5	502.8
165°	527.4	516.7	509.7	505.9	503.4	500.9	503.4	505.9	509.7	516.7	527.4
167.5°	552.1	540.3	535.8	531.5	529.1	524.5	529.1	531.5	535.8	540.3	552.1
170°	567.3	556.5	554.0	550.2	545.8	540.7	545.8	550.2	554.0	556.5	567.3
172.5°	580.4	573.2	570.7	566.9	565.5	561.4	565.5	566.9	570.7	573.2	580.4
175°	599.5	593.8	593.8	593.2	591.3	587.5	591.3	593.2	593.8	593.8	599.5
177.5°	615.5	612.4	614.4	614.4	613.9	610.4	613.9	614.4	614.4	612.4	615.5
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



TEST NUMBER: P1428212

CATALOG NUMBER: SQ2W-PR1-K-050U-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°	9.3	10.3	9.8	9.3
90°	11.4	7.0	4.4	1.9
92.5°	24.5	17.1	12.0	7.0
95°	49.3	39.2	27.8	19.6
97.5°	78.5	62.2	51.0	37.4
100°	94.2	78.4	67.7	53.1
102.5°	111.4	98.1	83.4	68.8
105°	142.3	125.8	108.8	92.3
107.5°	170.9	152.8	132.3	117.5
110°	189.1	169.5	148.0	134.7



TEST NUMBER: P1428212

CATALOG NUMBER: SQ2W-PR1-K-050U-075D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	206.8	186.7	164.7	151.4
115°	230.8	208.7	188.5	177.1
117.5°	254.0	231.2	209.8	200.9
120°	268.1	245.4	224.5	217.5
122.5°	279.8	257.5	238.2	235.3
125°	297.2	274.5	258.0	261.8
127.5°	311.4	290.5	280.2	288.6
130°	320.0	301.7	295.3	307.3
132.5°	327.6	313.3	310.5	327.1
135°	339.0	330.7	333.3	356.0
137.5°	352.5	349.3	357.8	386.5
140°	361.1	363.0	375.0	407.3
142.5°	372.7	377.2	392.7	427.0
145°	390.8	400.3	420.5	454.7
147.5°	411.3	423.6	448.6	483.7
150°	425.0	440.8	467.3	500.9
152.5°	440.7	457.0	483.5	517.6
155°	464.8	483.2	511.0	540.1
157.5°	489.5	508.2	534.8	560.2
160°	504.7	524.9	548.9	572.3
162.5°	521.9	540.6	561.6	582.4
165°	547.0	562.2	579.3	597.0
167.5°	568.2	580.8	594.2	608.0
170°	581.8	591.9	603.3	614.1
172.5°	593.4	601.5	609.9	619.1
175°	609.0	613.4	618.5	624.2
177.5°	621.0	622.5	624.1	626.6
180°	626.1	626.1	626.1	626.1



TEST NUMBER: P1428212  
 CATALOG NUMBER: SQ2W-PR1-K-050U-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	18.64	19.59	19.48	20.44	21.50	15.01	15.96	15.85	16.81	17.87
	3H	19.86	20.70	20.71	21.56	22.65	16.18	17.03	17.03	17.89	18.97
	4H	20.35	21.14	21.21	22.01	23.11	16.65	17.45	17.51	18.31	19.41
	6H	20.65	21.38	21.52	22.26	23.36	17.00	17.73	17.87	18.60	19.71
	8H	20.75	21.45	21.64	22.34	23.45	17.14	17.83	18.02	18.72	19.83
	12H	20.80	21.46	21.69	22.35	23.48	17.17	17.83	18.06	18.72	19.85
4H	2H	18.76	19.56	19.63	20.42	21.52	15.74	16.53	16.60	17.40	18.49
	3H	20.23	20.89	21.11	21.79	22.90	17.10	17.76	17.98	18.66	19.77
	4H	20.86	21.46	21.75	22.35	23.49	17.65	18.25	18.54	19.14	20.28
	6H	21.29	21.81	22.20	22.73	23.87	18.09	18.60	18.99	19.52	20.66
	8H	21.45	21.94	22.36	22.85	24.00	18.27	18.75	19.18	19.67	20.82
	12H	21.52	21.96	22.45	22.89	24.05	18.32	18.75	19.25	19.69	20.84
8H	4H	20.89	21.37	21.80	22.29	23.44	17.98	18.46	18.89	19.38	20.53
	6H	21.43	21.82	22.36	22.78	23.93	18.52	18.92	19.46	19.88	21.03
	8H	21.66	22.01	22.60	22.96	24.13	18.79	19.14	19.73	20.09	21.26
	12H	21.78	22.09	22.73	23.03	24.25	18.88	19.20	19.83	20.13	21.35
12H	4H	20.85	21.29	21.78	22.22	23.38	18.00	18.44	18.93	19.37	20.53
	6H	21.41	21.77	22.36	22.72	23.89	18.60	18.95	19.54	19.90	21.07
	8H	21.67	21.98	22.62	22.92	24.14	18.89	19.20	19.84	20.14	21.36