

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: P1428022

Luminaire Tested: SQ2W-PP3-K-025U-075D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428022  
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-025U-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 250 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

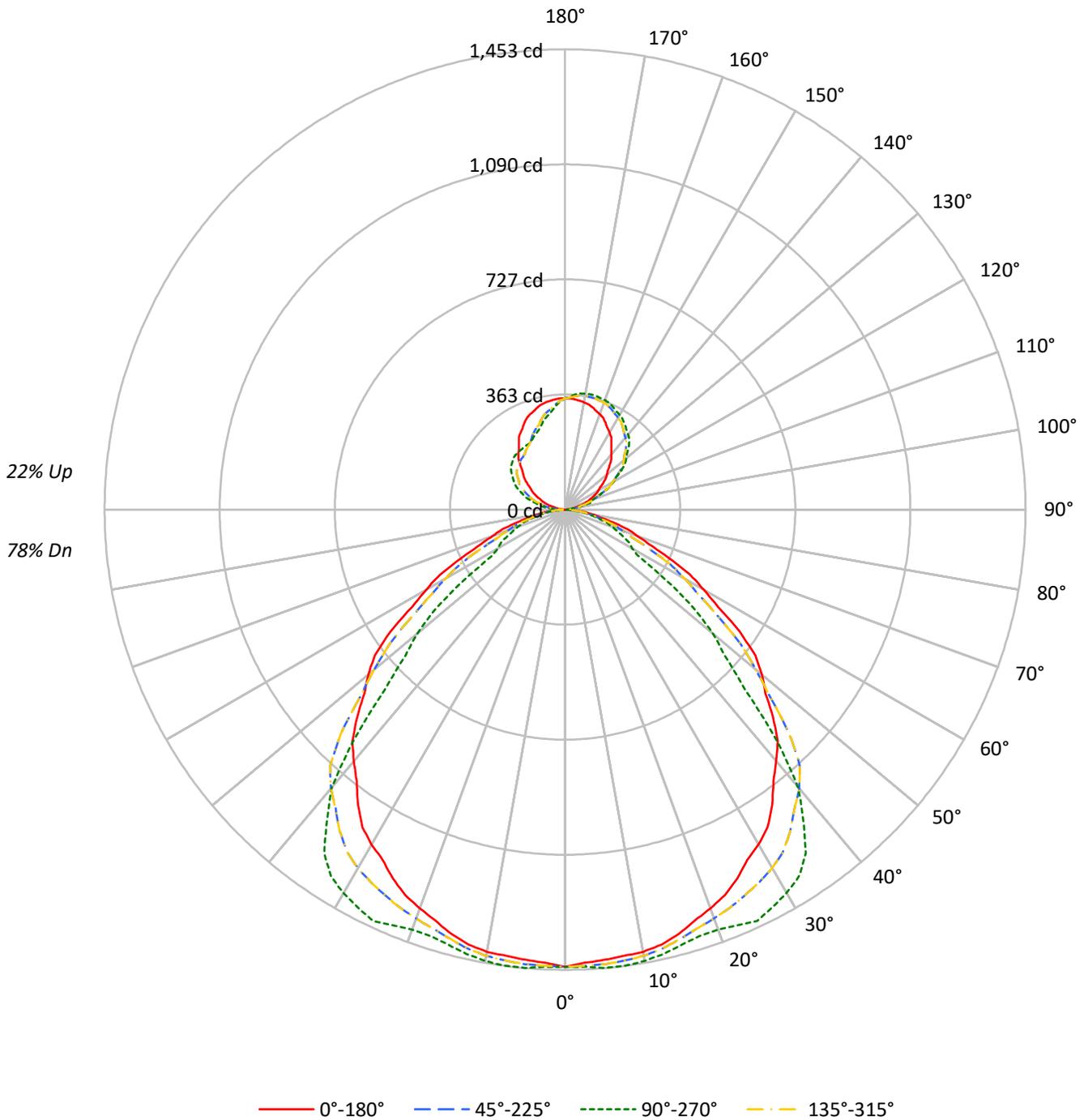
Lumens per Lamp: N/A  
Luminaire Lumens: 4660.8 lumens  
Efficiency: N/A  
Efficacy: 136.3 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 34.2  
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

TEST NUMBER: P1428022

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L940-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1428022

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L940-UNV-STD-W-WM-4

**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	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82	78				78
1	105	101	97	94	100	96	93	90	88	86	83	81	79	77	74	72	71	67				67
2	96	89	83	78	92	85	80	75	78	74	70	72	68	65	66	63	61	58				58
3	88	79	72	66	84	76	69	64	70	64	60	64	60	56	59	56	53	50				50
4	81	70	62	56	77	68	60	55	62	56	52	58	53	49	53	49	46	43				43
5	75	63	55	49	71	61	53	48	56	50	45	52	47	43	48	44	40	38				38
6	69	57	49	43	66	55	47	42	51	44	40	47	42	38	44	39	36	33				33
7	64	52	44	38	61	50	42	37	46	40	35	43	38	34	40	35	32	30				30
8	60	47	39	34	57	45	38	33	42	36	32	40	34	30	37	32	29	27				27
9	56	43	36	30	53	42	35	30	39	33	28	36	31	27	34	29	26	24				24
10	52	40	32	27	50	38	32	27	36	30	26	34	28	25	32	27	24	22				22

**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



TEST NUMBER: P1428022

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L940-UNV-STD-W-WM-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.4	2.9
10°-20°	397.8	8.5
20°-30°	623.2	13.4
30°-40°	768.8	16.5
40°-50°	723.8	15.5
50°-60°	512.5	11.0
60°-70°	292.0	6.3
70°-80°	144.6	3.1
80°-90°	36.8	0.8
90°-100°	27.9	0.6
100°-110°	81.4	1.7
110°-120°	132.8	2.8
120°-130°	168.5	3.6
130°-140°	180.3	3.9
140°-150°	168.4	3.6
150°-160°	138.6	3.0
160°-170°	92.9	2.0
170°-180°	33.0	0.7
0°-30°	1158.5	24.9
0°-40°	1927.3	41.4
0°-60°	3163.5	67.9
0°-90°	3636.9	78.0
90°-120°	242.1	5.2
90°-150°	759.4	16.3
90°-180°	1024.0	22.0
0°-180°	4660.8	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°	1	8	1	15	1	2
95°	11	8	11	48	11	13
105°	52	83	52	114	52	55
115°	99	137	99	169	99	98
125°	147	218	147	208	147	131
135°	199	285	199	230	199	154
145°	255	329	255	235	255	159
155°	302	357	302	244	302	139
165°	334	372	334	280	334	94
175°	350	364	350	329	350	33
180°	351	351	351	351	351	



TEST NUMBER: P1428022

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L940-UNV-STD-W-WM-4

**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°	11.2	11.5	11.8	10.1	7.6	6.0	5.5	5.1	5.2	5.2	5.2
90°	1.1	2.5	4.3	5.7	6.7	7.1	7.1	7.4	7.8	7.8	7.8
92.5°	3.9	6.2	6.2	6.2	7.6	8.2	8.8	8.9	9.2	9.2	9.2
95°	11.0	12.0	18.1	17.7	12.0	9.6	8.1	8.1	8.1	8.1	8.1
97.5°	21.0	22.5	23.5	31.5	33.3	32.2	26.2	22.0	19.7	18.6	19.7
100°	29.8	30.5	32.6	32.9	41.8	50.3	46.0	40.7	39.0	37.9	39.0
102.5°	38.5	39.0	42.2	43.7	45.8	50.6	65.3	63.7	62.5	62.3	62.5
105°	51.7	52.1	58.1	60.9	62.3	62.3	62.0	69.1	80.4	82.9	80.4
107.5°	65.8	67.4	74.5	82.1	83.7	84.2	82.3	81.3	80.8	81.1	80.8
110°	75.4	77.9	86.4	96.0	98.5	99.2	98.5	97.4	96.7	96.7	96.7



TEST NUMBER: P1428022

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	84.8	88.4	98.0	109.0	113.2	115.3	113.8	113.0	112.3	112.9	112.3
115°	99.2	104.5	117.2	128.6	137.1	138.1	137.8	137.8	137.4	137.4	137.4
117.5°	112.5	121.0	135.3	148.5	158.3	161.2	162.6	162.2	161.7	162.4	161.7
120°	121.9	131.8	148.1	162.9	172.5	176.8	178.2	177.5	178.2	177.5	178.2
122.5°	131.8	144.0	160.0	175.4	186.7	191.5	193.2	193.3	193.5	193.1	193.5
125°	146.6	161.5	180.3	196.2	207.9	213.6	215.0	215.4	216.1	217.8	216.1
127.5°	161.7	178.5	199.1	214.5	226.5	233.4	235.6	236.3	237.8	238.6	237.8
130°	172.2	191.3	212.2	226.7	238.4	245.8	249.7	250.8	252.6	252.2	252.6
132.5°	183.2	203.2	224.4	239.5	250.3	258.3	261.6	264.7	265.3	265.8	265.3
135°	199.4	221.0	242.3	257.2	267.4	275.2	279.5	282.3	284.1	285.1	284.1
137.5°	216.5	239.3	259.7	273.0	283.3	290.0	294.9	297.8	299.7	300.5	299.7
140°	228.1	250.1	269.9	283.7	292.9	299.7	303.9	307.5	309.6	309.6	309.6
142.5°	239.2	260.9	280.1	293.9	302.0	308.2	312.7	315.4	317.8	317.8	317.8
145°	254.7	276.3	294.0	307.8	314.6	320.2	325.2	327.3	328.7	328.7	328.7
147.5°	270.9	290.0	306.2	319.4	325.1	331.8	335.7	337.4	339.1	338.4	339.1
150°	280.5	298.3	313.8	326.2	331.9	338.3	342.2	343.6	345.4	344.3	345.4
152.5°	289.9	306.8	320.9	332.5	337.3	343.7	348.1	349.5	350.8	350.0	350.8
155°	302.5	317.4	330.5	341.1	345.4	351.4	355.6	357.4	358.8	357.1	358.8
157.5°	313.8	326.6	338.0	347.8	352.3	357.5	361.4	363.6	365.1	364.3	365.1
160°	320.6	332.3	342.5	351.7	356.0	360.6	364.9	367.3	368.7	367.7	368.7
162.5°	326.2	336.8	346.5	354.9	358.5	362.6	367.7	369.9	371.3	370.0	371.3
165°	334.4	342.9	351.4	358.5	361.7	364.9	370.2	372.6	373.7	372.3	373.7
167.5°	340.6	347.1	353.9	360.0	362.4	365.5	370.8	372.9	374.2	372.4	374.2
170°	344.0	349.6	355.6	360.6	362.4	365.2	370.5	372.3	373.4	371.6	373.4
172.5°	346.8	351.0	355.9	360.3	361.2	363.5	368.5	370.3	371.1	369.6	371.1
175°	349.6	352.1	355.6	358.5	358.1	359.5	363.8	365.2	366.6	364.5	366.6
177.5°	351.0	352.1	353.2	354.9	353.8	353.8	356.9	357.8	358.0	356.9	358.0
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



TEST NUMBER: P1428022

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L940-UNV-STD-W-WM-4

**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°	5.1	5.5	6.0	7.6	10.1	11.8	11.5	11.2	11.5	11.8	10.2
90°	7.4	7.1	7.1	6.7	5.7	4.3	2.5	1.1	2.5	3.9	6.4
92.5°	8.9	8.8	8.2	7.6	6.2	6.2	6.2	3.9	6.7	9.6	13.7
95°	8.1	8.1	9.6	12.0	17.7	18.1	12.0	11.0	15.6	22.0	27.6
97.5°	22.0	26.2	32.2	33.3	31.5	23.5	22.5	21.0	28.6	34.9	44.0
100°	40.7	46.0	50.3	41.8	32.9	32.6	30.5	29.8	37.9	43.9	52.8
102.5°	63.7	65.3	50.6	45.8	43.7	42.2	39.0	38.5	46.7	55.0	62.4
105°	69.1	62.0	62.3	62.3	60.9	58.1	52.1	51.7	60.9	70.5	79.7
107.5°	81.3	82.3	84.2	83.7	82.1	74.5	67.4	65.8	74.1	85.6	95.7
110°	97.4	98.5	99.2	98.5	96.0	86.4	77.9	75.4	82.9	94.9	105.9



TEST NUMBER: P1428022

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	113.0	113.8	115.3	113.2	109.0	98.0	88.4	84.8	92.2	104.6	115.8
115°	137.8	137.8	138.1	137.1	128.6	117.2	104.5	99.2	105.6	116.9	129.3
117.5°	162.2	162.6	161.2	158.3	148.5	135.3	121.0	112.5	117.5	129.5	142.3
120°	177.5	178.2	176.8	172.5	162.9	148.1	131.8	121.9	125.7	137.4	150.2
122.5°	193.3	193.2	191.5	186.7	175.4	160.0	144.0	131.8	133.4	144.2	156.7
125°	215.4	215.0	213.6	207.9	196.2	180.3	161.5	146.6	144.5	153.7	166.5
127.5°	236.3	235.6	233.4	226.5	214.5	199.1	178.5	161.7	156.9	162.7	174.4
130°	250.8	249.7	245.8	238.4	226.7	212.2	191.3	172.2	165.4	169.0	179.2
132.5°	264.7	261.6	258.3	250.3	239.5	224.4	203.2	183.2	173.9	175.5	183.5
135°	282.3	279.5	275.2	267.4	257.2	242.3	221.0	199.4	186.7	185.3	189.9
137.5°	297.8	294.9	290.0	283.3	273.0	259.7	239.3	216.5	200.4	195.7	197.4
140°	307.5	303.9	299.7	292.9	283.7	269.9	250.1	228.1	210.1	203.3	202.3
142.5°	315.4	312.7	308.2	302.0	293.9	280.1	260.9	239.2	220.0	211.3	208.8
145°	327.3	325.2	320.2	314.6	307.8	294.0	276.3	254.7	235.6	224.2	218.9
147.5°	337.4	335.7	331.8	325.1	319.4	306.2	290.0	270.9	251.3	237.3	230.4
150°	343.6	342.2	338.3	331.9	326.2	313.8	298.3	280.5	261.8	246.9	238.0
152.5°	349.5	348.1	343.7	337.3	332.5	320.9	306.8	289.9	270.8	256.0	246.8
155°	357.4	355.6	351.4	345.4	341.1	330.5	317.4	302.5	286.2	270.6	260.4
157.5°	363.6	361.4	357.5	352.3	347.8	338.0	326.6	313.8	299.5	284.7	274.2
160°	367.3	364.9	360.6	356.0	351.7	342.5	332.3	320.6	307.5	294.0	282.7
162.5°	369.9	367.7	362.6	358.5	354.9	346.5	336.8	326.2	314.6	302.8	292.3
165°	372.6	370.2	364.9	361.7	358.5	351.4	342.9	334.4	324.5	314.9	306.4
167.5°	372.9	370.8	365.5	362.4	360.0	353.9	347.1	340.6	332.8	325.3	318.2
170°	372.3	370.5	365.2	362.4	360.6	355.6	349.6	344.0	337.9	331.6	325.9
172.5°	370.3	368.5	363.5	361.2	360.3	355.9	351.0	346.8	341.6	336.9	332.4
175°	365.2	363.8	359.5	358.1	358.5	355.6	352.1	349.6	346.4	343.6	341.1
177.5°	357.8	356.9	353.8	353.8	354.9	353.2	352.1	351.0	349.5	348.7	347.8
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



TEST NUMBER: P1428022

CATALOG NUMBER: SQ2W-PP3-K-025U-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°	7.9	6.7	6.7	6.6	6.9	6.7	6.9	6.6	6.7	6.7	7.9
90°	8.1	10.6	13.1	14.5	15.9	15.2	15.9	14.5	13.1	10.6	8.1
92.5°	16.4	20.5	23.6	26.1	27.3	27.1	27.3	26.1	23.6	20.5	16.4
95°	32.9	37.9	42.9	46.4	48.5	47.8	48.5	46.4	42.9	37.9	32.9
97.5°	50.8	57.5	63.0	66.3	68.4	69.9	68.4	66.3	63.0	57.5	50.8
100°	62.7	69.1	75.4	79.3	82.9	84.3	82.9	79.3	75.4	69.1	62.7
102.5°	72.3	80.7	87.6	91.8	94.8	96.2	94.8	91.8	87.6	80.7	72.3
105°	88.2	97.1	104.5	109.8	113.0	114.1	113.0	109.8	104.5	97.1	88.2
107.5°	104.1	113.2	120.1	126.0	129.9	132.1	129.9	126.0	120.1	113.2	104.1
110°	116.5	124.0	131.4	136.7	140.6	142.0	140.6	136.7	131.4	124.0	116.5



TEST NUMBER: P1428022

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	127.0	135.3	142.8	148.1	152.5	154.5	152.5	148.1	142.8	135.3	127.0
115°	141.7	152.7	159.4	164.4	167.5	169.3	167.5	164.4	159.4	152.7	141.7
117.5°	153.9	165.4	172.7	176.5	178.0	179.3	178.0	176.5	172.7	165.4	153.9
120°	161.5	172.2	180.7	185.6	187.4	188.1	187.4	185.6	180.7	172.2	161.5
122.5°	168.6	178.7	186.9	193.0	195.9	196.6	195.9	193.0	186.9	178.7	168.6
125°	178.5	188.1	196.6	202.6	205.8	207.6	205.8	202.6	196.6	188.1	178.5
127.5°	187.2	197.5	205.3	210.8	213.9	215.3	213.9	210.8	205.3	197.5	187.2
130°	192.0	202.6	210.4	216.4	219.3	220.7	219.3	216.4	210.4	202.6	192.0
132.5°	195.7	206.9	214.9	220.4	223.5	224.9	223.5	220.4	214.9	206.9	195.7
135°	200.1	211.8	220.3	225.6	228.5	229.9	228.5	225.6	220.3	211.8	200.1
137.5°	204.0	214.7	223.5	229.1	231.7	232.6	231.7	229.1	223.5	214.7	204.0
140°	206.9	216.1	224.9	230.2	233.1	233.4	233.1	230.2	224.9	216.1	206.9
142.5°	210.6	217.8	225.5	230.8	233.6	234.3	233.6	230.8	225.5	217.8	210.6
145°	217.1	221.4	226.7	231.7	234.1	234.9	234.1	231.7	226.7	221.4	217.1
147.5°	225.4	226.8	229.5	232.8	235.2	235.7	235.2	232.8	229.5	226.8	225.4
150°	231.7	231.3	232.4	234.5	236.6	236.3	236.6	234.5	232.4	231.3	231.7
152.5°	238.7	236.7	236.6	237.6	238.6	238.5	238.6	237.6	236.6	236.7	238.7
155°	250.8	246.9	244.8	244.1	244.1	243.7	244.1	244.1	244.8	246.9	250.8
157.5°	264.0	258.6	255.4	253.7	253.2	252.4	253.2	253.7	255.4	258.6	264.0
160°	273.1	267.1	263.9	261.1	260.0	258.9	260.0	261.1	263.9	267.1	273.1
162.5°	281.6	275.9	272.4	269.8	268.8	267.2	268.8	269.8	272.4	275.9	281.6
165°	295.4	289.4	285.5	283.4	282.0	280.5	282.0	283.4	285.5	289.4	295.4
167.5°	309.2	302.6	300.1	297.7	296.3	293.8	296.3	297.7	300.1	302.6	309.2
170°	317.7	311.7	310.3	308.2	305.7	302.9	305.7	308.2	310.3	311.7	317.7
172.5°	325.1	321.1	319.7	317.5	316.7	314.5	316.7	317.5	319.7	321.1	325.1
175°	335.8	332.6	332.6	332.3	331.2	329.1	331.2	332.3	332.6	332.6	335.8
177.5°	344.7	343.0	344.2	344.2	343.9	341.9	343.9	344.2	344.2	343.0	344.7
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



TEST NUMBER: P1428022

CATALOG NUMBER: SQ2W-PP3-K-025U-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°	10.2	11.8	11.5	11.2
90°	6.4	3.9	2.5	1.1
92.5°	13.7	9.6	6.7	3.9
95°	27.6	22.0	15.6	11.0
97.5°	44.0	34.9	28.6	21.0
100°	52.8	43.9	37.9	29.8
102.5°	62.4	55.0	46.7	38.5
105°	79.7	70.5	60.9	51.7
107.5°	95.7	85.6	74.1	65.8
110°	105.9	94.9	82.9	75.4



TEST NUMBER: P1428022

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	115.8	104.6	92.2	84.8
115°	129.3	116.9	105.6	99.2
117.5°	142.3	129.5	117.5	112.5
120°	150.2	137.4	125.7	121.9
122.5°	156.7	144.2	133.4	131.8
125°	166.5	153.7	144.5	146.6
127.5°	174.4	162.7	156.9	161.7
130°	179.2	169.0	165.4	172.2
132.5°	183.5	175.5	173.9	183.2
135°	189.9	185.3	186.7	199.4
137.5°	197.4	195.7	200.4	216.5
140°	202.3	203.3	210.1	228.1
142.5°	208.8	211.3	220.0	239.2
145°	218.9	224.2	235.6	254.7
147.5°	230.4	237.3	251.3	270.9
150°	238.0	246.9	261.8	280.5
152.5°	246.8	256.0	270.8	289.9
155°	260.4	270.6	286.2	302.5
157.5°	274.2	284.7	299.5	313.8
160°	282.7	294.0	307.5	320.6
162.5°	292.3	302.8	314.6	326.2
165°	306.4	314.9	324.5	334.4
167.5°	318.2	325.3	332.8	340.6
170°	325.9	331.6	337.9	344.0
172.5°	332.4	336.9	341.6	346.8
175°	341.1	343.6	346.4	349.6
177.5°	347.8	348.7	349.5	351.0
180°	350.7	350.7	350.7	350.7



TEST NUMBER: P1428022  
 CATALOG NUMBER: SQ2W-PP3-K-025U-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	20.70	21.83	21.38	22.52	23.33	16.47	17.60	17.15	18.29	19.10
	3H	21.78	22.79	22.47	23.49	24.33	17.80	18.81	18.49	19.51	20.35
	4H	22.16	23.11	22.87	23.82	24.68	18.37	19.32	19.08	20.03	20.88
	6H	22.37	23.24	23.09	23.96	24.83	18.75	19.62	19.47	20.34	21.21
	8H	22.44	23.27	23.18	24.01	24.88	18.88	19.71	19.62	20.46	21.33
	12H	22.47	23.26	23.21	23.99	24.89	18.93	19.72	19.67	20.45	21.35
4H	2H	20.85	21.80	21.57	22.51	23.37	17.41	18.36	18.13	19.07	19.93
	3H	22.17	22.95	22.90	23.70	24.58	18.86	19.64	19.59	20.39	21.27
	4H	22.69	23.40	23.43	24.15	25.05	19.49	20.20	20.24	20.95	21.86
	6H	23.02	23.63	23.78	24.41	25.32	19.95	20.56	20.72	21.34	22.25
	8H	23.13	23.70	23.90	24.48	25.40	20.13	20.70	20.89	21.47	22.39
	12H	23.19	23.70	23.98	24.50	25.43	20.19	20.70	20.97	21.50	22.42
8H	4H	22.73	23.30	23.49	24.07	24.99	19.82	20.39	20.59	21.16	22.09
	6H	23.15	23.62	23.95	24.44	25.36	20.39	20.86	21.19	21.68	22.60
	8H	23.33	23.75	24.14	24.57	25.51	20.64	21.06	21.45	21.87	22.81
	12H	23.44	23.81	24.25	24.61	25.61	20.75	21.12	21.56	21.92	22.92
12H	4H	22.70	23.21	23.49	24.01	24.93	19.84	20.36	20.63	21.15	22.08
	6H	23.14	23.56	23.95	24.38	25.32	20.45	20.88	21.26	21.69	22.63
	8H	23.35	23.72	24.16	24.53	25.53	20.74	21.11	21.55	21.92	22.92