

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: P1428046

Luminaire Tested: SQ2W-PP3-K-050U-075D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428046  
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-050U-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 500 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

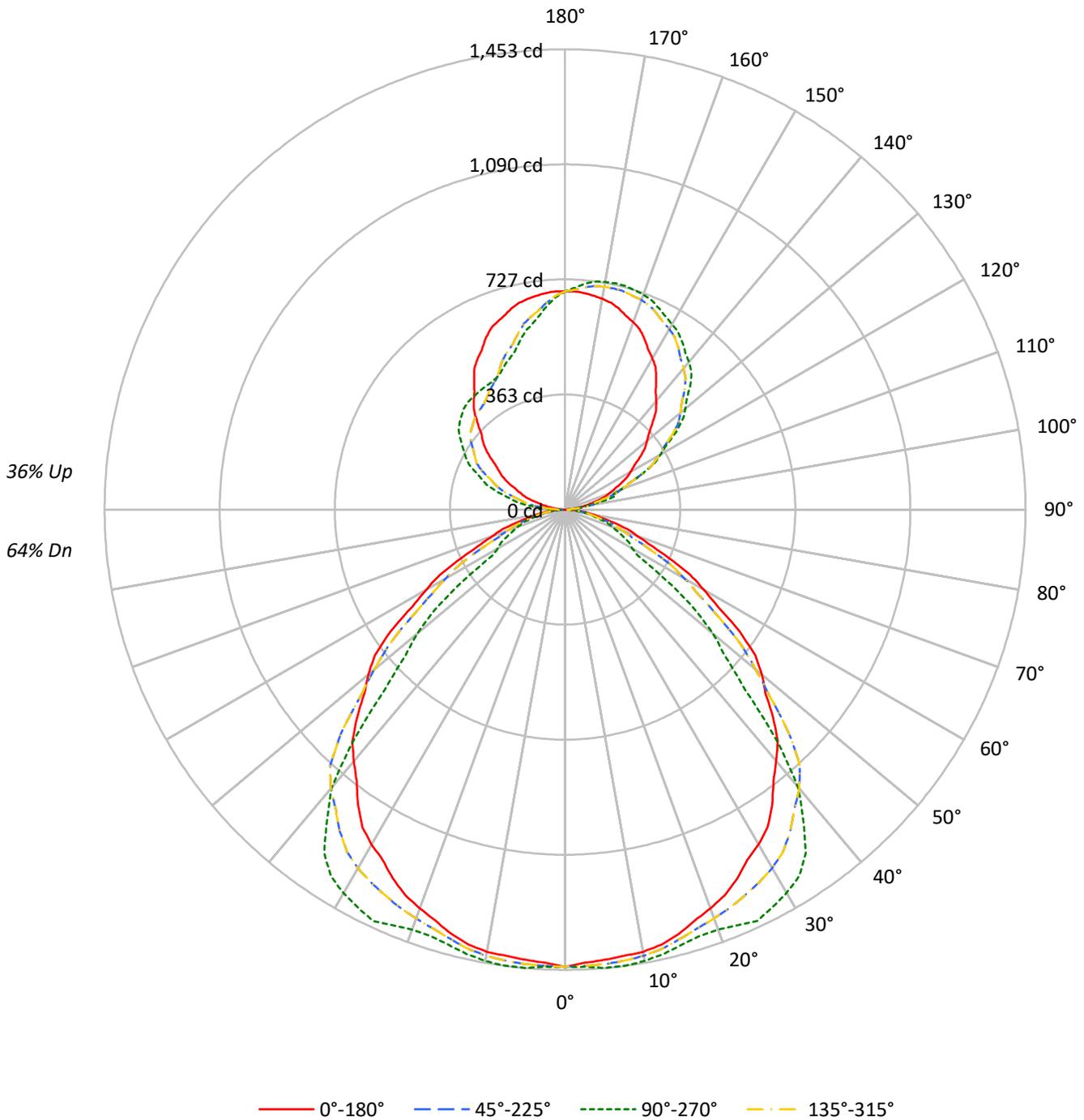
Lumens per Lamp: N/A  
Luminaire Lumens: 5648.7 lumens  
Efficiency: N/A  
Efficacy: 135.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 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-PP3-K-050U-075D-L940-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	95	92	89	86	81	79	77	71	70	68	62	61	60	56				
2	93	86	80	75	87	81	76	71	72	68	64	64	61	58	56	54	52	48				
3	85	76	69	63	80	72	66	60	64	59	55	57	53	50	50	47	45	41				
4	78	68	60	54	73	64	57	52	57	52	47	51	46	43	45	42	39	36				
5	72	61	53	47	68	57	50	45	51	46	41	46	41	38	41	37	34	31				
6	67	55	47	41	63	52	45	39	47	41	36	42	37	33	37	33	30	28				
7	62	49	42	36	58	47	40	35	42	36	32	38	33	29	34	30	27	25				
8	57	45	37	32	54	43	36	31	39	33	29	35	30	26	31	27	24	22				
9	53	41	34	29	50	39	32	28	36	30	26	32	27	24	29	25	22	20				
10	50	38	31	26	47	36	29	25	33	27	23	30	25	22	27	23	20	18				

**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	2.4
10°-20°	397.8	7.0
20°-30°	623.2	11.0
30°-40°	768.8	13.6
40°-50°	723.8	12.8
50°-60°	512.5	9.1
60°-70°	292.0	5.2
70°-80°	144.6	2.6
80°-90°	38.2	0.7
90°-100°	54.8	1.0
100°-110°	159.8	2.8
110°-120°	260.8	4.6
120°-130°	330.9	5.9
130°-140°	354.1	6.3
140°-150°	330.7	5.9
150°-160°	272.1	4.8
160°-170°	182.5	3.2
170°-180°	64.8	1.1
0°-30°	1158.5	20.5
0°-40°	1927.3	34.1
0°-60°	3163.5	56.0
0°-90°	3638.3	64.4
90°-120°	475.4	8.4
90°-150°	1491.1	26.4
90°-180°	2010.0	35.6
0°-180°	5648.7	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°	2	15	2	30	2	3
95°	22	16	22	94	22	26
105°	102	163	102	224	102	108
115°	195	270	195	332	195	192
125°	288	428	288	408	288	258
135°	392	560	392	451	392	303
145°	500	645	500	461	500	313
155°	594	701	594	478	594	273
165°	657	731	657	551	657	185
175°	686	716	686	646	686	65
180°	689	689	689	689	689	



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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°	11.4	12.0	12.7	11.2	8.9	7.4	6.9	6.6	6.7	6.7	6.7
90°	2.1	4.9	8.3	11.1	13.2	13.9	13.9	14.6	15.3	15.3	15.3
92.5°	7.7	12.1	12.2	12.2	14.9	16.1	17.2	17.4	18.1	18.1	18.1
95°	21.6	23.6	35.5	34.8	23.6	18.8	16.0	16.0	16.0	16.0	16.0
97.5°	41.2	44.2	46.2	61.9	65.4	63.2	51.5	43.3	38.7	36.6	38.7
100°	58.4	59.8	64.0	64.7	82.1	98.8	90.4	80.0	76.5	74.4	76.5
102.5°	75.7	76.5	82.9	85.8	89.9	99.3	128.3	125.1	122.7	122.3	122.7
105°	101.5	102.2	114.1	119.6	122.4	122.4	121.7	135.6	157.9	162.7	157.9
107.5°	129.2	132.4	146.3	161.2	164.4	165.3	161.6	159.5	158.7	159.3	158.7
110°	148.1	153.0	169.7	188.5	193.4	194.7	193.4	191.3	189.9	189.9	189.9



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	166.5	173.6	192.5	214.1	222.3	226.5	223.4	221.9	220.5	221.6	220.5
115°	194.7	205.2	230.2	252.5	269.2	271.2	270.6	270.6	269.9	269.9	269.9
117.5°	220.9	237.6	265.7	291.6	310.9	316.5	319.2	318.4	317.6	319.0	317.6
120°	239.3	258.7	290.7	319.9	338.7	347.1	349.8	348.4	349.8	348.4	349.8
122.5°	258.7	282.7	314.1	344.4	366.5	376.0	379.3	379.6	379.9	379.1	379.9
125°	287.9	317.2	354.0	385.3	408.3	419.4	422.2	422.9	424.3	427.7	424.3
127.5°	317.4	350.5	391.0	421.2	444.7	458.2	462.5	464.0	467.0	468.5	467.0
130°	338.0	375.6	416.6	445.1	468.1	482.7	490.3	492.4	495.9	495.2	495.9
132.5°	359.7	398.9	440.5	470.2	491.4	507.2	513.7	519.7	520.9	521.9	520.9
135°	391.6	434.0	475.7	504.9	525.1	540.4	548.8	554.3	557.8	559.9	557.8
137.5°	425.1	469.9	509.9	536.0	556.3	569.5	578.9	584.8	588.4	590.1	588.4
140°	447.9	491.0	530.0	557.1	575.2	588.4	596.7	603.7	607.9	607.9	607.9
142.5°	469.6	512.2	550.0	577.1	593.0	605.1	614.0	619.3	624.0	624.0	624.0
145°	500.1	542.5	577.3	604.4	617.6	628.7	638.5	642.6	645.4	645.4	645.4
147.5°	531.9	569.5	601.2	627.2	638.3	651.4	659.1	662.4	665.9	664.3	665.9
150°	550.8	585.6	616.2	640.6	651.7	664.2	671.9	674.6	678.1	676.0	678.1
152.5°	569.2	602.3	630.1	652.8	662.3	674.8	683.5	686.3	688.7	687.2	688.7
155°	594.0	623.2	648.9	669.8	678.1	689.9	698.3	701.8	704.5	701.1	704.5
157.5°	616.1	641.3	663.7	682.8	691.8	701.9	709.7	714.0	716.8	715.3	716.8
160°	629.4	652.4	672.6	690.6	699.0	708.0	716.4	721.2	724.0	721.9	724.0
162.5°	640.6	661.3	680.3	696.8	704.0	711.9	721.9	726.2	729.0	726.4	729.0
165°	656.6	673.3	689.9	703.9	710.1	716.4	726.8	731.7	733.8	731.0	733.8
167.5°	668.7	681.5	695.0	706.9	711.5	717.6	728.1	732.1	734.7	731.3	734.7
170°	675.3	686.5	698.3	708.0	711.5	717.1	727.5	731.0	733.1	729.6	733.1
172.5°	680.9	689.2	698.8	707.5	709.3	713.7	723.6	727.1	728.6	725.7	728.6
175°	686.5	691.3	698.3	703.9	703.2	705.9	714.3	717.1	719.9	715.7	719.9
177.5°	689.1	691.3	693.6	696.9	694.7	694.7	700.8	702.5	703.0	700.8	703.0
180°	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6



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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°	6.6	6.9	7.4	8.9	11.2	12.7	12.0	11.4	12.0	12.5	11.5
90°	14.6	13.9	13.9	13.2	11.1	8.3	4.9	2.1	4.9	7.7	12.5
92.5°	17.4	17.2	16.1	14.9	12.2	12.2	12.1	7.7	13.2	18.8	27.0
95°	16.0	16.0	18.8	23.6	34.8	35.5	23.6	21.6	30.6	43.1	54.2
97.5°	43.3	51.5	63.2	65.4	61.9	46.2	44.2	41.2	56.1	68.4	86.4
100°	80.0	90.4	98.8	82.1	64.7	64.0	59.8	58.4	74.4	86.2	103.6
102.5°	125.1	128.3	99.3	89.9	85.8	82.9	76.5	75.7	91.7	107.9	122.5
105°	135.6	121.7	122.4	122.4	119.6	114.1	102.2	101.5	119.6	138.4	156.5
107.5°	159.5	161.6	165.3	164.4	161.2	146.3	132.4	129.2	145.5	168.0	187.9
110°	191.3	193.4	194.7	193.4	188.5	169.7	153.0	148.1	162.7	186.4	208.0



TEST NUMBER: P1428046

CATALOG NUMBER: SQ2W-PP3-K-050U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	221.9	223.4	226.5	222.3	214.1	192.5	173.6	166.5	181.1	205.3	227.4
115°	270.6	270.6	271.2	269.2	252.5	230.2	205.2	194.7	207.3	229.5	253.9
117.5°	318.4	319.2	316.5	310.9	291.6	265.7	237.6	220.9	230.8	254.3	279.3
120°	348.4	349.8	347.1	338.7	319.9	290.7	258.7	239.3	246.9	269.9	294.9
122.5°	379.6	379.3	376.0	366.5	344.4	314.1	282.7	258.7	261.9	283.2	307.7
125°	422.9	422.2	419.4	408.3	385.3	354.0	317.2	287.9	283.8	301.9	326.9
127.5°	464.0	462.5	458.2	444.7	421.2	391.0	350.5	317.4	308.1	319.5	342.5
130°	492.4	490.3	482.7	468.1	445.1	416.6	375.6	338.0	324.8	331.8	351.9
132.5°	519.7	513.7	507.2	491.4	470.2	440.5	398.9	359.7	341.5	344.6	360.3
135°	554.3	548.8	540.4	525.1	504.9	475.7	434.0	391.6	366.5	363.8	372.8
137.5°	584.8	578.9	569.5	556.3	536.0	509.9	469.9	425.1	393.5	384.2	387.7
140°	603.7	596.7	588.4	575.2	557.1	530.0	491.0	447.9	412.4	399.2	397.1
142.5°	619.3	614.0	605.1	593.0	577.1	550.0	512.2	469.6	431.9	414.8	409.9
145°	642.6	638.5	628.7	617.6	604.4	577.3	542.5	500.1	462.5	440.3	429.8
147.5°	662.4	659.1	651.4	638.3	627.2	601.2	569.5	531.9	493.4	465.9	452.4
150°	674.6	671.9	664.2	651.7	640.6	616.2	585.6	550.8	514.0	484.8	467.4
152.5°	686.3	683.5	674.8	662.3	652.8	630.1	602.3	569.2	531.8	502.6	484.6
155°	701.8	698.3	689.9	678.1	669.8	648.9	623.2	594.0	562.0	531.4	511.2
157.5°	714.0	709.7	701.9	691.8	682.8	663.7	641.3	616.1	588.1	558.9	538.3
160°	721.2	716.4	708.0	699.0	690.6	672.6	652.4	629.4	603.7	577.3	555.0
162.5°	726.2	721.9	711.9	704.0	696.8	680.3	661.3	640.6	617.6	594.5	573.9
165°	731.7	726.8	716.4	710.1	703.9	689.9	673.3	656.6	637.1	618.3	601.6
167.5°	732.1	728.1	717.6	711.5	706.9	695.0	681.5	668.7	653.5	638.8	624.8
170°	731.0	727.5	717.1	711.5	708.0	698.3	686.5	675.3	663.5	651.0	639.9
172.5°	727.1	723.6	713.7	709.3	707.5	698.8	689.2	680.9	670.7	661.6	652.7
175°	717.1	714.3	705.9	703.2	703.9	698.3	691.3	686.5	680.2	674.6	669.8
177.5°	702.5	700.8	694.7	694.7	696.9	693.6	691.3	689.1	686.3	684.7	683.0
180°	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6



TEST NUMBER: P1428046

CATALOG NUMBER: SQ2W-PP3-K-050U-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°	9.4	8.8	9.2	9.4	9.9	9.6	9.9	9.4	9.2	8.8	9.4
90°	16.0	20.9	25.7	28.5	31.3	29.9	31.3	28.5	25.7	20.9	16.0
92.5°	32.1	40.3	46.3	51.3	53.6	53.3	53.6	51.3	46.3	40.3	32.1
95°	64.7	74.4	84.2	91.1	95.3	93.9	95.3	91.1	84.2	74.4	64.7
97.5°	99.7	112.8	123.7	130.2	134.4	137.2	134.4	130.2	123.7	112.8	99.7
100°	123.1	135.6	148.1	155.8	162.7	165.5	162.7	155.8	148.1	135.6	123.1
102.5°	142.0	158.4	172.1	180.3	186.1	188.9	186.1	180.3	172.1	158.4	142.0
105°	173.2	190.6	205.2	215.6	221.9	224.0	221.9	215.6	205.2	190.6	173.2
107.5°	204.3	222.3	235.8	247.3	255.0	259.4	255.0	247.3	235.8	222.3	204.3
110°	228.8	243.4	258.0	268.5	276.1	278.9	276.1	268.5	258.0	243.4	228.8



TEST NUMBER: P1428046

CATALOG NUMBER: SQ2W-PP3-K-050U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	249.4	265.7	280.3	290.7	299.5	303.4	299.5	290.7	280.3	265.7	249.4
115°	278.2	299.8	313.0	322.7	329.0	332.5	329.0	322.7	313.0	299.8	278.2
117.5°	302.1	324.7	339.1	346.6	349.6	352.1	349.6	346.6	339.1	324.7	302.1
120°	317.2	338.0	354.7	364.4	367.9	369.3	367.9	364.4	354.7	338.0	317.2
122.5°	331.1	350.8	366.9	378.9	384.6	386.0	384.6	378.9	366.9	350.8	331.1
125°	350.5	369.3	386.0	397.8	404.1	407.6	404.1	397.8	386.0	369.3	350.5
127.5°	367.5	387.8	403.1	413.8	419.9	422.7	419.9	413.8	403.1	387.8	367.5
130°	377.0	397.8	413.1	425.0	430.5	433.3	430.5	425.0	413.1	397.8	377.0
132.5°	384.2	406.2	422.0	432.7	438.9	441.6	438.9	432.7	422.0	406.2	384.2
135°	393.0	415.9	432.6	443.0	448.6	451.4	448.6	443.0	432.6	415.9	393.0
137.5°	400.6	421.5	438.9	449.9	454.9	456.7	454.9	449.9	438.9	421.5	400.6
140°	406.2	424.3	441.6	452.1	457.6	458.3	457.6	452.1	441.6	424.3	406.2
142.5°	413.4	427.6	442.8	453.2	458.8	460.0	458.8	453.2	442.8	427.6	413.4
145°	426.3	434.7	445.1	454.9	459.7	461.1	459.7	454.9	445.1	434.7	426.3
147.5°	442.6	445.3	450.7	457.1	461.8	462.8	461.8	457.1	445.3	442.6	442.6
150°	454.9	454.2	456.3	460.4	464.6	463.9	464.6	460.4	456.3	454.2	454.9
152.5°	468.8	464.7	464.6	466.5	468.5	468.4	468.5	466.5	464.6	464.7	468.8
155°	492.4	484.8	480.6	479.2	479.2	478.5	479.2	479.2	480.6	484.8	492.4
157.5°	518.4	507.7	501.5	498.1	497.1	495.6	497.1	498.1	501.5	507.7	518.4
160°	536.2	524.4	518.2	512.6	510.5	508.4	510.5	512.6	518.2	524.4	536.2
162.5°	552.9	541.7	534.8	529.8	527.8	524.6	527.8	529.8	534.8	541.7	552.9
165°	580.1	568.2	560.6	556.4	553.6	550.8	553.6	556.4	560.6	568.2	580.1
167.5°	607.2	594.2	589.2	584.5	581.9	576.9	581.9	584.5	589.2	594.2	607.2
170°	623.9	612.0	609.3	605.1	600.2	594.7	600.2	605.1	609.3	612.0	623.9
172.5°	638.3	630.4	627.6	623.5	621.9	617.5	621.9	623.5	627.6	630.4	638.3
175°	659.3	653.1	653.1	652.4	650.3	646.1	650.3	652.4	653.1	653.1	659.3
177.5°	676.9	673.5	675.8	675.8	675.2	671.3	675.2	675.8	675.8	673.5	676.9
180°	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6	688.6



TEST NUMBER: P1428046

CATALOG NUMBER: SQ2W-PP3-K-050U-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°	11.5	12.5	12.0	11.4
90°	12.5	7.7	4.9	2.1
92.5°	27.0	18.8	13.2	7.7
95°	54.2	43.1	30.6	21.6
97.5°	86.4	68.4	56.1	41.2
100°	103.6	86.2	74.4	58.4
102.5°	122.5	107.9	91.7	75.7
105°	156.5	138.4	119.6	101.5
107.5°	187.9	168.0	145.5	129.2
110°	208.0	186.4	162.7	148.1



TEST NUMBER: P1428046

CATALOG NUMBER: SQ2W-PP3-K-050U-075D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	227.4	205.3	181.1	166.5
115°	253.9	229.5	207.3	194.7
117.5°	279.3	254.3	230.8	220.9
120°	294.9	269.9	246.9	239.3
122.5°	307.7	283.2	261.9	258.7
125°	326.9	301.9	283.8	287.9
127.5°	342.5	319.5	308.1	317.4
130°	351.9	331.8	324.8	338.0
132.5°	360.3	344.6	341.5	359.7
135°	372.8	363.8	366.5	391.6
137.5°	387.7	384.2	393.5	425.1
140°	397.1	399.2	412.4	447.9
142.5°	409.9	414.8	431.9	469.6
145°	429.8	440.3	462.5	500.1
147.5°	452.4	465.9	493.4	531.9
150°	467.4	484.8	514.0	550.8
152.5°	484.6	502.6	531.8	569.2
155°	511.2	531.4	562.0	594.0
157.5°	538.3	558.9	588.1	616.1
160°	555.0	577.3	603.7	629.4
162.5°	573.9	594.5	617.6	640.6
165°	601.6	618.3	637.1	656.6
167.5°	624.8	638.8	653.5	668.7
170°	639.9	651.0	663.5	675.3
172.5°	652.7	661.6	670.7	680.9
175°	669.8	674.6	680.2	686.5
177.5°	683.0	684.7	686.3	689.1
180°	688.6	688.6	688.6	688.6



TEST NUMBER: P1428046  
 CATALOG NUMBER: SQ2W-PP3-K-050U-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	19.64	20.61	20.47	21.45	22.51	15.41	16.38	16.24	17.22	18.28
	3H	20.71	21.57	21.56	22.43	23.51	16.73	17.59	17.58	18.45	19.53
	4H	21.09	21.90	21.95	22.76	23.85	17.29	18.10	18.15	18.97	20.06
	6H	21.28	22.03	22.16	22.90	24.01	17.66	18.41	18.53	19.28	20.38
	8H	21.35	22.06	22.23	22.95	24.05	17.79	18.50	18.68	19.39	20.50
	12H	21.37	22.05	22.26	22.93	24.06	17.83	18.51	18.72	19.39	20.52
4H	2H	19.78	20.59	20.64	21.45	22.54	16.34	17.15	17.20	18.01	19.10
	3H	21.08	21.75	21.96	22.65	23.75	17.77	18.44	18.65	19.34	20.44
	4H	21.59	22.20	22.48	23.09	24.23	18.39	19.00	19.28	19.90	21.03
	6H	21.91	22.44	22.82	23.35	24.49	18.85	19.37	19.75	20.29	21.42
	8H	22.02	22.51	22.93	23.43	24.57	19.02	19.51	19.92	20.42	21.57
	12H	22.07	22.51	23.00	23.44	24.60	19.07	19.51	20.00	20.44	21.60
8H	4H	21.62	22.11	22.52	23.02	24.17	18.71	19.20	19.62	20.11	21.26
	6H	22.03	22.44	22.97	23.39	24.54	19.27	19.68	20.21	20.63	21.78
	8H	22.21	22.57	23.16	23.52	24.68	19.52	19.88	20.46	20.83	21.99
	12H	22.32	22.63	23.26	23.57	24.79	19.63	19.94	20.57	20.88	22.10
12H	4H	21.58	22.02	22.51	22.95	24.11	18.73	19.17	19.65	20.10	21.25
	6H	22.03	22.39	22.97	23.33	24.50	19.34	19.70	20.28	20.64	21.81
	8H	22.23	22.54	23.17	23.48	24.70	19.62	19.94	20.56	20.87	22.09