

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: P1428086

Luminaire Tested: SQ2W-PP3-K-100U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428086  
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-050D-L930-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE PRISM LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 500 LUMENS PER FOOT  
UPLIGHT 1000 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

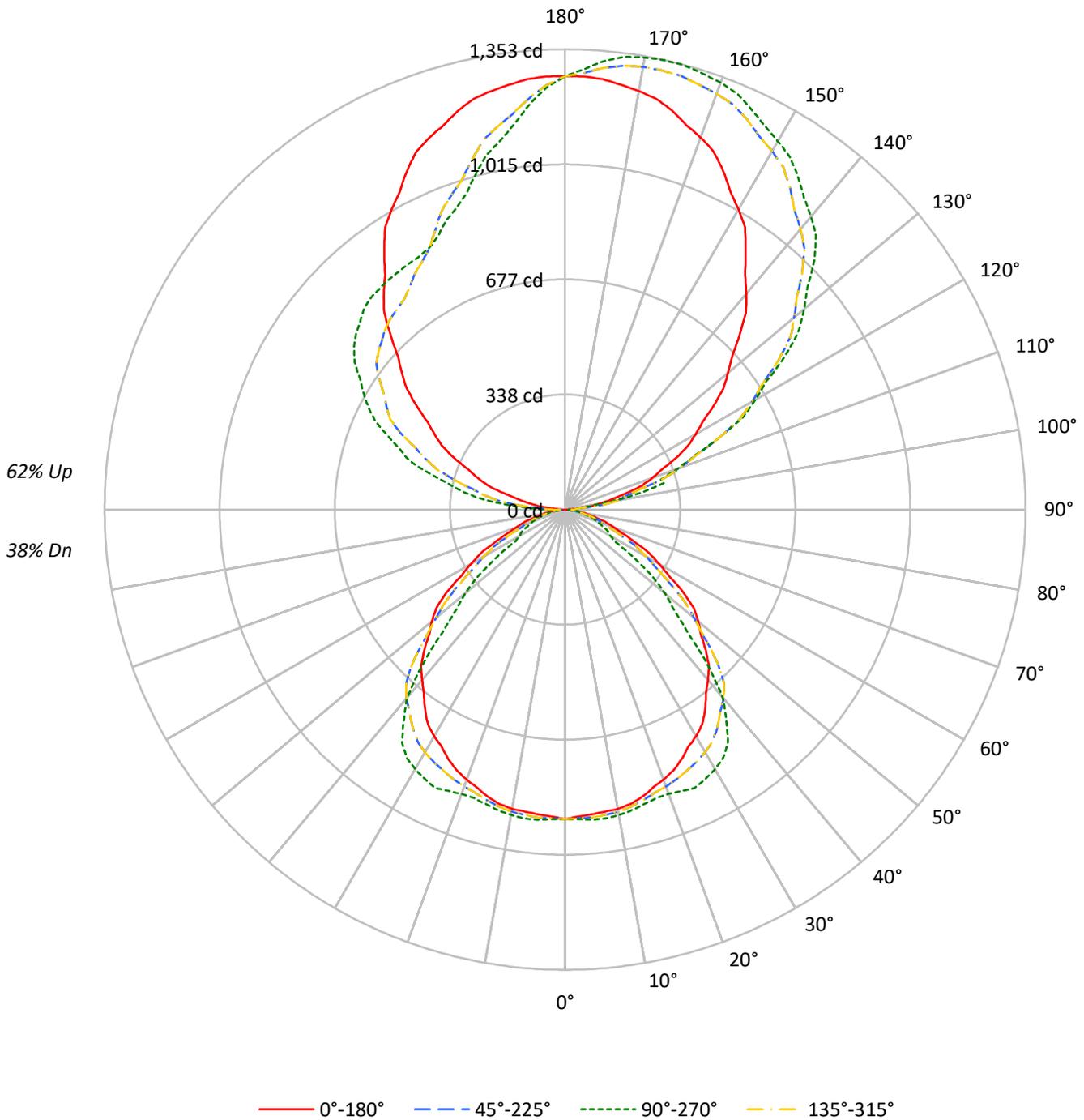
Lumens per Lamp: N/A  
Luminaire Lumens: 6015.4 lumens  
Efficiency: N/A  
Efficacy: 118.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 50.9  
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-100U-050D-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	0
RCR																		
0	104	104	104	104	95	95	95	95	77	77	77	60	60	60	45	45	45	38
1	96	91	88	84	87	83	80	77	68	66	64	54	52	51	41	40	39	33
2	87	80	74	70	79	73	68	64	60	56	53	48	45	43	36	35	33	28
3	80	71	64	58	72	65	59	54	53	49	45	42	39	37	32	30	29	24
4	73	63	55	49	66	57	51	46	47	42	39	38	34	32	29	27	25	21
5	67	56	48	42	61	51	44	39	42	37	33	34	30	28	26	24	22	18
6	62	50	42	37	56	46	39	34	38	33	29	31	27	24	24	21	19	16
7	57	45	38	32	52	42	35	30	35	29	26	28	24	21	22	19	17	15
8	53	41	34	28	48	38	31	27	31	26	23	26	22	19	20	17	15	13
9	49	37	30	25	45	34	28	24	29	24	20	23	20	17	18	16	14	12
10	46	34	27	23	42	32	25	21	26	22	18	22	18	15	17	15	13	11

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	14691	14691	14691	14691
5°	14575	14839	14575	14839
10°	14649	14949	14649	14949
15°	14614	14983	14614	14983
20°	14510	15287	14510	15287
25°	14426	16088	14426	16088
30°	14344	16425	14344	16425
35°	14142	16454	14142	16454
40°	13765	15205	13765	15205
45°	13353	11574	13353	11574
50°	12828	9640	12828	9640
55°	11941	6930	11941	6930
60°	10281	4970	10281	4970
65°	8672	4886	8672	4886
70°	7218	4678	7218	4678
75°	6120	4379	6120	4379
80°	5188	3933	5188	3933
85°	4094	2130	4094	2130

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 14606 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	86.6	1.4
10°-20°	250.7	4.2
20°-30°	392.8	6.5
30°-40°	484.6	8.1
40°-50°	456.2	7.6
50°-60°	323.0	5.4
60°-70°	184.1	3.1
70°-80°	91.1	1.5
80°-90°	27.5	0.5
90°-100°	101.4	1.7
100°-110°	295.6	4.9
110°-120°	482.4	8.0
120°-130°	612.1	10.2
130°-140°	655.0	10.9
140°-150°	611.6	10.2
150°-160°	503.3	8.4
160°-170°	337.5	5.6
170°-180°	119.8	2.0
0°-30°	730.2	12.1
0°-40°	1214.8	20.2
0°-60°	1994.0	33.1
0°-90°	2296.8	38.2
90°-120°	879.3	14.6
90°-150°	2758.0	45.8
90°-180°	3719.0	61.8
0°-180°	6015.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	910	910	910	910	910	
5°	899	916	899	916	899	86
15°	874	896	874	896	874	246
25°	810	903	810	903	810	373
35°	718	835	718	835	718	447
45°	585	507	585	507	585	450
55°	424	246	424	246	424	374
65°	227	128	227	128	227	228
75°	98	70	98	70	98	106
85°	22	12	22	12	22	26
90°	4	28	4	55	4	4
95°	40	30	40	174	40	48
105°	188	301	188	414	188	200
115°	360	499	360	615	360	355
125°	533	791	533	754	533	477
135°	724	1036	724	835	724	560
145°	925	1194	925	853	925	579
155°	1099	1297	1099	885	1099	505
165°	1214	1352	1214	1019	1214	342
175°	1270	1324	1270	1195	1270	120
180°	1274	1274	1274	1274	1274	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9
2.5°	902.9	908.8	914.6	913.2	909.4	907.9	908.6	909.3	910.0	910.6	910.0
5°	899.3	906.6	913.8	912.8	908.9	907.4	908.3	909.7	912.6	915.6	912.6
7.5°	895.8	903.3	910.7	909.7	906.0	904.8	906.3	908.3	912.0	915.6	912.0
10°	893.5	899.9	906.3	905.4	902.0	901.3	903.5	905.8	908.8	911.8	908.8
12.5°	886.6	892.7	898.7	897.9	894.9	894.7	897.6	900.3	903.0	905.6	903.0
15°	874.3	879.8	885.4	885.5	883.8	884.9	888.7	892.1	894.3	896.4	894.3
17.5°	857.5	864.3	871.1	872.6	872.4	875.1	880.6	885.2	887.4	889.7	887.4
20°	844.5	852.6	860.7	863.4	864.2	868.1	874.9	881.1	885.4	889.7	885.4
22.5°	830.6	840.1	849.6	853.1	854.7	860.6	870.8	880.4	887.7	895.1	887.7
25°	809.8	819.2	828.6	835.5	841.5	851.9	866.9	880.9	892.0	903.1	892.0
27.5°	785.6	794.9	804.2	816.0	828.6	843.3	860.1	874.9	883.7	892.6	883.7
30°	769.4	778.4	787.4	800.9	815.8	832.1	849.6	864.8	872.9	881.0	872.9
32.5°	749.4	758.8	768.1	782.4	798.4	815.8	834.7	850.7	858.2	865.6	858.2
35°	717.5	726.5	735.5	752.1	771.4	790.8	810.5	826.3	830.6	834.8	830.6
37.5°	680.8	690.9	701.1	719.8	741.4	757.6	768.7	777.0	777.3	777.5	777.3
40°	653.1	666.3	679.6	698.3	718.8	730.1	732.3	732.5	726.9	721.4	726.9
42.5°	626.1	643.1	660.2	675.2	689.6	692.5	684.0	671.5	646.8	622.1	646.8
45°	584.8	604.9	625.0	634.2	639.7	620.9	577.7	541.1	524.0	506.9	524.0
47.5°	540.7	560.6	580.4	577.9	567.8	539.4	492.4	454.3	442.5	430.7	442.5
50°	510.7	529.5	548.3	534.8	510.4	478.3	438.6	406.0	394.9	383.8	394.9
52.5°	476.9	493.6	510.4	489.9	457.0	423.2	388.6	358.4	341.4	324.5	341.4
55°	424.2	435.7	447.2	424.8	391.0	353.8	313.2	278.7	262.5	246.2	262.5
57.5°	360.7	368.8	376.9	359.3	333.0	296.0	248.3	208.0	189.8	171.6	189.8
60°	318.4	324.8	331.2	315.2	291.6	256.4	209.4	171.8	162.9	153.9	162.9
62.5°	279.9	285.6	291.3	274.6	250.4	218.9	180.1	150.2	147.0	143.9	147.0
65°	227.0	232.5	238.1	220.6	195.4	170.8	146.8	128.8	128.3	127.9	128.3
67.5°	180.6	186.7	192.8	176.3	152.2	134.1	121.8	112.4	111.9	111.4	111.9
70°	152.9	159.3	165.8	150.4	127.7	113.0	106.1	100.8	99.9	99.1	99.9
72.5°	129.8	135.9	142.0	128.6	108.6	96.5	92.0	88.6	88.0	87.5	88.0
75°	98.1	102.8	107.5	97.8	83.2	74.9	72.8	71.1	70.6	70.2	70.6
77.5°	71.2	74.2	77.2	70.8	61.3	56.0	54.9	53.9	53.5	53.1	53.5
80°	55.8	57.1	58.3	53.9	47.4	44.0	43.6	43.2	42.7	42.3	42.7
82.5°	41.9	41.5	41.1	38.5	35.1	33.3	32.8	32.3	31.5	30.8	31.5
85°	22.1	21.3	20.4	19.6	18.7	17.4	15.7	14.1	12.8	11.5	12.8
87.5°	7.7	8.7	10.0	9.8	8.8	8.1	7.7	7.7	8.0	8.0	8.0
90°	3.9	9.0	15.4	20.6	24.4	25.7	25.7	27.0	28.3	28.3	28.3
92.5°	14.2	22.4	22.6	22.6	27.5	29.8	31.9	32.2	33.4	33.4	33.4
95°	39.9	43.7	65.6	64.3	43.7	34.7	29.6	29.6	29.6	29.6	29.6
97.5°	76.2	81.8	85.4	114.5	120.9	116.8	95.2	80.0	71.5	67.7	71.5
100°	108.1	110.6	118.4	119.6	151.8	182.7	167.2	147.9	141.5	137.6	141.5
102.5°	140.0	141.5	153.3	158.7	166.2	183.7	237.2	231.3	226.9	226.2	226.9
105°	187.8	189.1	211.0	221.3	226.4	226.4	225.1	250.9	292.0	301.0	292.0
107.5°	239.0	244.9	270.7	298.2	304.1	305.7	299.0	295.1	293.6	294.6	293.6
110°	274.0	283.0	313.9	348.6	357.6	360.2	357.6	353.8	351.2	351.2	351.2



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	308.0	321.1	356.1	396.0	411.1	418.9	413.2	410.4	407.8	409.9	407.8
115°	360.2	379.5	425.8	467.0	497.9	501.7	500.4	500.4	499.1	499.1	499.1
117.5°	408.6	439.5	491.4	539.3	575.0	585.3	590.5	588.9	587.4	590.0	587.4
120°	442.5	478.6	537.7	591.8	626.5	641.9	647.1	644.5	647.1	644.5	647.1
122.5°	478.6	522.8	581.0	637.0	678.0	695.5	701.6	702.1	702.7	701.1	702.7
125°	532.6	586.6	654.8	712.7	755.1	775.7	780.9	782.2	784.7	791.2	784.7
127.5°	587.1	648.4	723.2	779.1	822.6	847.5	855.5	858.3	863.7	866.6	863.7
130°	625.2	694.7	770.6	823.3	865.8	892.8	906.9	910.8	917.2	916.0	917.2
132.5°	665.4	737.9	814.8	869.6	909.0	938.1	950.2	961.2	963.5	965.4	963.5
135°	724.3	802.7	879.9	934.0	971.3	999.6	1015.0	1025.3	1031.7	1035.6	1031.7
137.5°	786.3	869.1	943.2	991.3	1028.9	1053.3	1070.8	1081.6	1088.3	1091.4	1088.3
140°	828.5	908.2	980.3	1030.4	1063.9	1088.3	1103.8	1116.6	1124.4	1124.4	1124.4
142.5°	868.6	947.3	1017.3	1067.5	1096.8	1119.2	1135.7	1145.5	1154.2	1154.2	1154.2
145°	925.0	1003.4	1067.8	1117.9	1142.4	1162.9	1181.0	1188.7	1193.8	1193.8	1193.8
147.5°	983.9	1053.3	1112.0	1160.1	1180.7	1204.9	1219.0	1225.2	1231.6	1228.8	1231.6
150°	1018.9	1083.2	1139.8	1184.8	1205.4	1228.6	1242.7	1247.9	1254.3	1250.4	1254.3
152.5°	1052.8	1114.1	1165.5	1207.5	1225.0	1248.1	1264.3	1269.5	1273.8	1271.0	1273.8
155°	1098.6	1152.7	1200.3	1238.8	1254.3	1276.2	1291.6	1298.0	1303.2	1296.7	1303.2
157.5°	1139.5	1186.1	1227.5	1263.0	1279.5	1298.3	1312.7	1320.7	1325.8	1323.0	1325.8
160°	1164.2	1206.7	1244.0	1277.4	1292.9	1309.6	1325.0	1334.0	1339.2	1335.3	1339.2
162.5°	1184.8	1223.2	1258.4	1288.8	1302.1	1316.8	1335.3	1343.3	1348.5	1343.6	1348.5
165°	1214.4	1245.3	1276.2	1301.9	1313.5	1325.0	1344.3	1353.3	1357.2	1352.1	1357.2
167.5°	1236.8	1260.5	1285.4	1307.5	1316.0	1327.4	1346.7	1354.1	1359.0	1352.6	1359.0
170°	1249.1	1269.7	1291.6	1309.6	1316.0	1326.3	1345.6	1352.1	1355.9	1349.5	1355.9
172.5°	1259.4	1274.9	1292.6	1308.6	1311.9	1320.2	1338.4	1344.9	1347.7	1342.3	1347.7
175°	1269.7	1278.7	1291.6	1301.9	1300.6	1305.7	1321.2	1326.3	1331.5	1323.8	1331.5
177.5°	1274.6	1278.7	1282.8	1289.0	1284.9	1284.9	1296.2	1299.3	1300.3	1296.2	1300.3
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9
2.5°	909.3	908.6	907.9	909.4	913.2	914.6	908.8	902.9	908.8	914.6	913.2
5°	909.7	908.3	907.4	908.9	912.8	913.8	906.6	899.3	906.6	913.8	912.8
7.5°	908.3	906.3	904.8	906.0	909.7	910.7	903.3	895.8	903.3	910.7	909.7
10°	905.8	903.5	901.3	902.0	905.4	906.3	899.9	893.5	899.9	906.3	905.4
12.5°	900.3	897.6	894.7	894.9	897.9	898.7	892.7	886.6	892.7	898.7	897.9
15°	892.1	888.7	884.9	883.8	885.5	885.4	879.8	874.3	879.8	885.4	885.5
17.5°	885.2	880.6	875.1	872.4	872.6	871.1	864.3	857.5	864.3	871.1	872.6
20°	881.1	874.9	868.1	864.2	863.4	860.7	852.6	844.5	852.6	860.7	863.4
22.5°	880.4	870.8	860.6	854.7	853.1	849.6	840.1	830.6	840.1	849.6	853.1
25°	880.9	866.9	851.9	841.5	835.5	828.6	819.2	809.8	819.2	828.6	835.5
27.5°	874.9	860.1	843.3	828.6	816.0	804.2	794.9	785.6	794.9	804.2	816.0
30°	864.8	849.6	832.1	815.8	800.9	787.4	778.4	769.4	778.4	787.4	800.9
32.5°	850.7	834.7	815.8	798.4	782.4	768.1	758.8	749.4	758.8	768.1	782.4
35°	826.3	810.5	790.8	771.4	752.1	735.5	726.5	717.5	726.5	735.5	752.1
37.5°	777.0	768.7	757.6	741.4	719.8	701.1	690.9	680.8	690.9	701.1	719.8
40°	732.5	732.3	730.1	718.8	698.3	679.6	666.3	653.1	666.3	679.6	698.3
42.5°	671.5	684.0	692.5	689.6	675.2	660.2	643.1	626.1	643.1	660.2	675.2
45°	541.1	577.7	620.9	639.7	634.2	625.0	604.9	584.8	604.9	625.0	634.2
47.5°	454.3	492.4	539.4	567.8	577.9	580.4	560.6	540.7	560.6	580.4	577.9
50°	406.0	438.6	478.3	510.4	534.8	548.3	529.5	510.7	529.5	548.3	534.8
52.5°	358.4	388.6	423.2	457.0	489.9	510.4	493.6	476.9	493.6	510.4	489.9
55°	278.7	313.2	353.8	391.0	424.8	447.2	435.7	424.2	435.7	447.2	424.8
57.5°	208.0	248.3	296.0	333.0	359.3	376.9	368.8	360.7	368.8	376.9	359.3
60°	171.8	209.4	256.4	291.6	315.2	331.2	324.8	318.4	324.8	331.2	315.2
62.5°	150.2	180.1	218.9	250.4	274.6	291.3	285.6	279.9	285.6	291.3	274.6
65°	128.8	146.8	170.8	195.4	220.6	238.1	232.5	227.0	232.5	238.1	220.6
67.5°	112.4	121.8	134.1	152.2	176.3	192.8	186.7	180.6	186.7	192.8	176.3
70°	100.8	106.1	113.0	127.7	150.4	165.8	159.3	152.9	159.3	165.8	150.4
72.5°	88.6	92.0	96.5	108.6	128.6	142.0	135.9	129.8	135.9	142.0	128.6
75°	71.1	72.8	74.9	83.2	97.8	107.5	102.8	98.1	102.8	107.5	97.8
77.5°	53.9	54.9	56.0	61.3	70.8	77.2	74.2	71.2	74.2	77.2	70.8
80°	43.2	43.6	44.0	47.4	53.9	58.3	57.1	55.8	57.1	58.3	53.9
82.5°	32.3	32.8	33.3	35.1	38.5	41.1	41.5	41.9	41.5	41.1	38.5
85°	14.1	15.7	17.4	18.7	19.6	20.4	21.3	22.1	21.3	20.4	19.6
87.5°	7.7	7.7	8.1	8.8	9.8	10.0	8.7	7.7	8.7	9.8	10.3
90°	27.0	25.7	25.7	24.4	20.6	15.4	9.0	3.9	9.0	14.2	23.2
92.5°	32.2	31.9	29.8	27.5	22.6	22.6	22.4	14.2	24.4	34.7	49.9
95°	29.6	29.6	34.7	43.7	64.3	65.6	43.7	39.9	56.6	79.8	100.3
97.5°	80.0	95.2	116.8	120.9	114.5	85.4	81.8	76.2	103.7	126.6	159.8
100°	147.9	167.2	182.7	151.8	119.6	118.4	110.6	108.1	137.6	159.5	191.7
102.5°	231.3	237.2	183.7	166.2	158.7	153.3	141.5	140.0	169.6	199.7	226.7
105°	250.9	225.1	226.4	226.4	221.3	211.0	189.1	187.8	221.3	256.0	289.5
107.5°	295.1	299.0	305.7	304.1	298.2	270.7	244.9	239.0	269.1	310.8	347.6
110°	353.8	357.6	360.2	357.6	348.6	313.9	283.0	274.0	301.0	344.8	384.6



TEST NUMBER: P1428086

CATALOG NUMBER: SQ2W-PP3-K-100U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	410.4	413.2	418.9	411.1	396.0	356.1	321.1	308.0	335.0	379.8	420.7
115°	500.4	500.4	501.7	497.9	467.0	425.8	379.5	360.2	383.4	424.5	469.6
117.5°	588.9	590.5	585.3	575.0	539.3	491.4	439.5	408.6	426.8	470.3	516.6
120°	644.5	647.1	641.9	626.5	591.8	537.7	478.6	442.5	456.7	499.1	545.5
122.5°	702.1	701.6	695.5	678.0	637.0	581.0	522.8	478.6	484.5	523.8	569.1
125°	782.2	780.9	775.7	755.1	712.7	654.8	586.6	532.6	524.9	558.3	604.6
127.5°	858.3	855.5	847.5	822.6	779.1	723.2	648.4	587.1	569.9	591.0	633.4
130°	910.8	906.9	892.8	865.8	823.3	770.6	694.7	625.2	600.8	613.6	650.9
132.5°	961.2	950.2	938.1	909.0	869.6	814.8	737.9	665.4	631.6	637.3	666.4
135°	1025.3	1015.0	999.6	971.3	934.0	879.9	802.7	724.3	678.0	672.8	689.5
137.5°	1081.6	1070.8	1053.3	1028.9	991.3	943.2	869.1	786.3	727.9	710.6	717.1
140°	1116.6	1103.8	1088.3	1063.9	1030.4	980.3	908.2	828.5	762.9	738.4	734.6
142.5°	1145.5	1135.7	1119.2	1096.8	1067.5	1017.3	947.3	868.6	798.9	767.2	758.2
145°	1188.7	1181.0	1162.9	1142.4	1117.9	1067.8	1003.4	925.0	855.5	814.3	795.0
147.5°	1225.2	1219.0	1204.9	1180.7	1160.1	1112.0	1053.3	983.9	912.6	861.7	836.7
150°	1247.9	1242.7	1228.6	1205.4	1184.8	1139.8	1083.2	1018.9	950.7	896.7	864.5
152.5°	1269.5	1264.3	1248.1	1225.0	1207.5	1165.5	1114.1	1052.8	983.6	929.6	896.4
155°	1298.0	1291.6	1276.2	1254.3	1238.8	1200.3	1152.7	1098.6	1039.4	982.8	945.5
157.5°	1320.7	1312.7	1298.3	1279.5	1263.0	1227.5	1186.1	1139.5	1087.8	1033.8	995.7
160°	1334.0	1325.0	1309.6	1292.9	1277.4	1244.0	1206.7	1164.2	1116.6	1067.8	1026.6
162.5°	1343.3	1335.3	1316.8	1302.1	1288.8	1258.4	1223.2	1184.8	1142.4	1099.7	1061.6
165°	1353.3	1344.3	1325.0	1313.5	1301.9	1276.2	1245.3	1214.4	1178.4	1143.7	1112.8
167.5°	1354.1	1346.7	1327.4	1316.0	1307.5	1285.4	1260.5	1236.8	1208.7	1181.5	1155.7
170°	1352.1	1345.6	1326.3	1316.0	1309.6	1291.6	1269.7	1249.1	1227.3	1204.1	1183.5
172.5°	1344.9	1338.4	1320.2	1311.9	1308.6	1292.6	1274.9	1259.4	1240.7	1223.7	1207.2
175°	1326.3	1321.2	1305.7	1300.6	1301.9	1291.6	1278.7	1269.7	1258.1	1247.9	1238.8
177.5°	1299.3	1296.2	1284.9	1284.9	1289.0	1282.8	1278.7	1274.6	1269.5	1266.4	1263.3
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1428086

CATALOG NUMBER: SQ2W-PP3-K-100U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9	909.9
2.5°	909.4	907.9	908.6	909.3	910.0	910.6	910.0	909.3	908.6	907.9	909.4
5°	908.9	907.4	908.3	909.7	912.6	915.6	912.6	909.7	908.3	907.4	908.9
7.5°	906.0	904.8	906.3	908.3	912.0	915.6	912.0	908.3	906.3	904.8	906.0
10°	902.0	901.3	903.5	905.8	908.8	911.8	908.8	905.8	903.5	901.3	902.0
12.5°	894.9	894.7	897.6	900.3	903.0	905.6	903.0	900.3	897.6	894.7	894.9
15°	883.8	884.9	888.7	892.1	894.3	896.4	894.3	892.1	888.7	884.9	883.8
17.5°	872.4	875.1	880.6	885.2	887.4	889.7	887.4	885.2	880.6	875.1	872.4
20°	864.2	868.1	874.9	881.1	885.4	889.7	885.4	881.1	874.9	868.1	864.2
22.5°	854.7	860.6	870.8	880.4	887.7	895.1	887.7	880.4	870.8	860.6	854.7
25°	841.5	851.9	866.9	880.9	892.0	903.1	892.0	880.9	866.9	851.9	841.5
27.5°	828.6	843.3	860.1	874.9	883.7	892.6	883.7	874.9	860.1	843.3	828.6
30°	815.8	832.1	849.6	864.8	872.9	881.0	872.9	864.8	849.6	832.1	815.8
32.5°	798.4	815.8	834.7	850.7	858.2	865.6	858.2	850.7	834.7	815.8	798.4
35°	771.4	790.8	810.5	826.3	830.6	834.8	830.6	826.3	810.5	790.8	771.4
37.5°	741.4	757.6	768.7	777.0	777.3	777.5	777.3	777.0	768.7	757.6	741.4
40°	718.8	730.1	732.3	732.5	726.9	721.4	726.9	732.5	732.3	730.1	718.8
42.5°	689.6	692.5	684.0	671.5	646.8	622.1	646.8	671.5	684.0	692.5	689.6
45°	639.7	620.9	577.7	541.1	524.0	506.9	524.0	541.1	577.7	620.9	639.7
47.5°	567.8	539.4	492.4	454.3	442.5	430.7	442.5	454.3	492.4	539.4	567.8
50°	510.4	478.3	438.6	406.0	394.9	383.8	394.9	406.0	438.6	478.3	510.4
52.5°	457.0	423.2	388.6	358.4	341.4	324.5	341.4	358.4	388.6	423.2	457.0
55°	391.0	353.8	313.2	278.7	262.5	246.2	262.5	278.7	313.2	353.8	391.0
57.5°	333.0	296.0	248.3	208.0	189.8	171.6	189.8	208.0	248.3	296.0	333.0
60°	291.6	256.4	209.4	171.8	162.9	153.9	162.9	171.8	209.4	256.4	291.6
62.5°	250.4	218.9	180.1	150.2	147.0	143.9	147.0	150.2	180.1	218.9	250.4
65°	195.4	170.8	146.8	128.8	128.3	127.9	128.3	128.8	146.8	170.8	195.4
67.5°	152.2	134.1	121.8	112.4	111.9	111.4	111.9	112.4	121.8	134.1	152.2
70°	127.7	113.0	106.1	100.8	99.9	99.1	99.9	100.8	106.1	113.0	127.7
72.5°	108.6	96.5	92.0	88.6	88.0	87.5	88.0	88.6	92.0	96.5	108.6
75°	83.2	74.9	72.8	71.1	70.6	70.2	70.6	71.1	72.8	74.9	83.2
77.5°	61.3	56.0	54.9	53.9	53.5	53.1	53.5	53.9	54.9	56.0	61.3
80°	47.4	44.0	43.6	43.2	42.7	42.3	42.7	43.2	43.6	44.0	47.4
82.5°	35.1	33.3	32.8	32.3	31.5	30.8	31.5	32.3	32.8	33.3	35.1
85°	18.7	17.4	15.7	14.1	12.8	11.5	12.8	14.1	15.7	17.4	18.7
87.5°	9.9	10.6	12.1	12.9	13.9	13.4	13.9	12.9	12.1	10.6	9.9
90°	29.6	38.6	47.6	52.7	57.9	55.3	57.9	52.7	47.6	38.6	29.6
92.5°	59.4	74.6	85.7	94.9	99.1	98.5	99.1	94.9	85.7	74.6	59.4
95°	119.6	137.6	155.7	168.5	176.2	173.7	176.2	168.5	155.7	137.6	119.6
97.5°	184.5	208.7	228.7	240.8	248.5	253.7	248.5	240.8	228.7	208.7	184.5
100°	227.7	250.9	274.0	288.2	301.0	306.2	301.0	288.2	274.0	250.9	227.7
102.5°	262.7	293.1	318.3	333.4	344.3	349.4	344.3	333.4	318.3	293.1	262.7
105°	320.3	352.5	379.5	398.8	410.4	414.2	410.4	398.8	379.5	352.5	320.3
107.5°	378.0	411.1	436.1	457.5	471.6	479.8	471.6	457.5	436.1	411.1	378.0
110°	423.2	450.3	477.3	496.6	510.7	515.9	510.7	496.6	477.3	450.3	423.2



TEST NUMBER: P1428086

CATALOG NUMBER: SQ2W-PP3-K-100U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	461.3	491.4	518.4	537.7	553.9	561.1	553.9	537.7	518.4	491.4	461.3
115°	514.6	554.5	578.9	596.9	608.5	614.9	608.5	596.9	578.9	554.5	514.6
117.5°	558.8	600.5	627.3	641.2	646.6	651.2	646.6	641.2	627.3	600.5	558.8
120°	586.6	625.2	656.1	674.1	680.5	683.1	680.5	674.1	656.1	625.2	586.6
122.5°	612.3	648.9	678.7	700.9	711.4	714.0	711.4	700.9	678.7	648.9	612.3
125°	648.4	683.1	714.0	735.8	747.4	753.9	747.4	735.8	714.0	683.1	648.4
127.5°	679.8	717.3	745.6	765.4	776.8	781.9	776.8	765.4	745.6	717.3	679.8
130°	697.3	735.8	764.1	786.0	796.3	801.5	796.3	786.0	764.1	735.8	697.3
132.5°	710.6	751.3	780.6	800.4	811.7	816.9	811.7	800.4	780.6	751.3	710.6
135°	726.8	769.3	800.2	819.5	829.8	834.9	829.8	819.5	800.2	769.3	726.8
137.5°	741.0	779.6	811.7	832.1	841.3	844.7	841.3	832.1	811.7	779.6	741.0
140°	751.3	784.7	816.9	836.2	846.5	847.8	846.5	836.2	816.9	784.7	751.3
142.5°	764.7	790.9	819.0	838.2	848.5	850.9	848.5	838.2	819.0	790.9	764.7
145°	788.6	804.0	823.3	841.3	850.3	852.9	850.3	841.3	823.3	804.0	788.6
147.5°	818.7	823.6	833.6	845.5	854.2	856.0	854.2	845.5	833.6	823.6	818.7
150°	841.3	840.1	843.9	851.6	859.3	858.1	859.3	851.6	843.9	840.1	841.3
152.5°	867.1	859.6	859.3	862.9	866.6	866.3	866.6	862.9	859.3	859.6	867.1
155°	910.8	896.7	888.9	886.4	886.4	885.1	886.4	886.4	888.9	896.7	910.8
157.5°	958.9	939.1	927.5	921.4	919.6	916.7	919.6	921.4	927.5	939.1	958.9
160°	991.9	970.0	958.4	948.1	944.3	940.4	944.3	948.1	958.4	970.0	991.9
162.5°	1022.7	1001.9	989.3	980.0	976.2	970.2	976.2	980.0	989.3	1001.9	1022.7
165°	1072.9	1051.0	1036.9	1029.2	1024.0	1018.9	1024.0	1029.2	1036.9	1051.0	1072.9
167.5°	1123.1	1099.1	1089.9	1081.1	1076.2	1067.0	1076.2	1081.1	1089.9	1099.1	1123.1
170°	1153.9	1132.1	1126.9	1119.2	1110.2	1099.9	1110.2	1119.2	1126.9	1132.1	1153.9
172.5°	1180.7	1166.0	1160.9	1153.2	1150.3	1142.1	1150.3	1153.2	1160.9	1166.0	1180.7
175°	1219.6	1208.0	1208.0	1206.7	1202.8	1195.1	1202.8	1206.7	1208.0	1208.0	1219.6
177.5°	1252.0	1245.8	1249.9	1249.9	1248.9	1241.7	1248.9	1249.9	1249.9	1245.8	1252.0
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1428086

CATALOG NUMBER: SQ2W-PP3-K-100U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	909.9	909.9	909.9	909.9
2.5°	913.2	914.6	908.8	902.9
5°	912.8	913.8	906.6	899.3
7.5°	909.7	910.7	903.3	895.8
10°	905.4	906.3	899.9	893.5
12.5°	897.9	898.7	892.7	886.6
15°	885.5	885.4	879.8	874.3
17.5°	872.6	871.1	864.3	857.5
20°	863.4	860.7	852.6	844.5
22.5°	853.1	849.6	840.1	830.6
25°	835.5	828.6	819.2	809.8
27.5°	816.0	804.2	794.9	785.6
30°	800.9	787.4	778.4	769.4
32.5°	782.4	768.1	758.8	749.4
35°	752.1	735.5	726.5	717.5
37.5°	719.8	701.1	690.9	680.8
40°	698.3	679.6	666.3	653.1
42.5°	675.2	660.2	643.1	626.1
45°	634.2	625.0	604.9	584.8
47.5°	577.9	580.4	560.6	540.7
50°	534.8	548.3	529.5	510.7
52.5°	489.9	510.4	493.6	476.9
55°	424.8	447.2	435.7	424.2
57.5°	359.3	376.9	368.8	360.7
60°	315.2	331.2	324.8	318.4
62.5°	274.6	291.3	285.6	279.9
65°	220.6	238.1	232.5	227.0
67.5°	176.3	192.8	186.7	180.6
70°	150.4	165.8	159.3	152.9
72.5°	128.6	142.0	135.9	129.8
75°	97.8	107.5	102.8	98.1
77.5°	70.8	77.2	74.2	71.2
80°	53.9	58.3	57.1	55.8
82.5°	38.5	41.1	41.5	41.9
85°	19.6	20.4	21.3	22.1
87.5°	10.3	9.8	8.7	7.7
90°	23.2	14.2	9.0	3.9
92.5°	49.9	34.7	24.4	14.2
95°	100.3	79.8	56.6	39.9
97.5°	159.8	126.6	103.7	76.2
100°	191.7	159.5	137.6	108.1
102.5°	226.7	199.7	169.6	140.0
105°	289.5	256.0	221.3	187.8
107.5°	347.6	310.8	269.1	239.0
110°	384.6	344.8	301.0	274.0



TEST NUMBER: P1428086

CATALOG NUMBER: SQ2W-PP3-K-100U-050D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	420.7	379.8	335.0	308.0
115°	469.6	424.5	383.4	360.2
117.5°	516.6	470.3	426.8	408.6
120°	545.5	499.1	456.7	442.5
122.5°	569.1	523.8	484.5	478.6
125°	604.6	558.3	524.9	532.6
127.5°	633.4	591.0	569.9	587.1
130°	650.9	613.6	600.8	625.2
132.5°	666.4	637.3	631.6	665.4
135°	689.5	672.8	678.0	724.3
137.5°	717.1	710.6	727.9	786.3
140°	734.6	738.4	762.9	828.5
142.5°	758.2	767.2	798.9	868.6
145°	795.0	814.3	855.5	925.0
147.5°	836.7	861.7	912.6	983.9
150°	864.5	896.7	950.7	1018.9
152.5°	896.4	929.6	983.6	1052.8
155°	945.5	982.8	1039.4	1098.6
157.5°	995.7	1033.8	1087.8	1139.5
160°	1026.6	1067.8	1116.6	1164.2
162.5°	1061.6	1099.7	1142.4	1184.8
165°	1112.8	1143.7	1178.4	1214.4
167.5°	1155.7	1181.5	1208.7	1236.8
170°	1183.5	1204.1	1227.3	1249.1
172.5°	1207.2	1223.7	1240.7	1259.4
175°	1238.8	1247.9	1258.1	1269.7
177.5°	1263.3	1266.4	1269.5	1274.6
180°	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1428086  
 CATALOG NUMBER: SQ2W-PP3-K-100U-050D-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	15.57	16.32	16.63	17.37	18.81	11.34	12.09	12.40	13.14	14.58
	3H	16.62	17.29	17.69	18.35	19.81	12.64	13.31	13.71	14.37	15.83
	4H	16.99	17.62	18.07	18.68	20.14	13.19	13.82	14.27	14.89	16.35
	6H	17.17	17.75	18.26	18.82	20.29	13.55	14.13	14.64	15.20	16.67
	8H	17.23	17.78	18.33	18.87	20.33	13.68	14.23	14.77	15.31	16.78
	12H	17.25	17.77	18.35	18.85	20.34	13.71	14.23	14.81	15.31	16.80
4H	2H	15.68	16.31	16.76	17.37	18.83	12.24	12.87	13.32	13.93	15.39
	3H	16.96	17.48	18.05	18.58	20.05	13.65	14.17	14.74	15.27	16.74
	4H	17.46	17.94	18.56	19.03	20.52	14.27	14.74	15.36	15.83	17.32
	6H	17.77	18.18	18.88	19.29	20.78	14.71	15.11	15.81	16.22	17.71
	8H	17.88	18.26	18.98	19.36	20.86	14.87	15.25	15.98	16.36	17.86
	12H	17.92	18.26	19.04	19.38	20.88	14.92	15.26	16.04	16.38	17.88
8H	4H	17.47	17.86	18.58	18.96	20.46	14.57	14.95	15.67	16.05	17.55
	6H	17.88	18.20	19.01	19.34	20.84	15.12	15.44	16.25	16.58	18.08
	8H	18.06	18.34	19.20	19.46	20.98	15.37	15.65	16.50	16.77	18.29
	12H	18.15	18.40	19.29	19.52	21.07	15.46	15.71	16.60	16.83	18.38
12H	4H	17.43	17.77	18.55	18.89	20.39	14.57	14.92	15.70	16.03	17.54
	6H	17.87	18.15	19.01	19.28	20.79	15.19	15.46	16.32	16.59	18.11
	8H	18.07	18.31	19.20	19.43	20.98	15.46	15.70	16.59	16.82	18.38