

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: P1428105

Luminaire Tested: SQ2W-PP3-K-100U-125D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428105  
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-125D-L935-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE PRISM LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1250 LUMENS PER FOOT  
UPLIGHT 1000 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

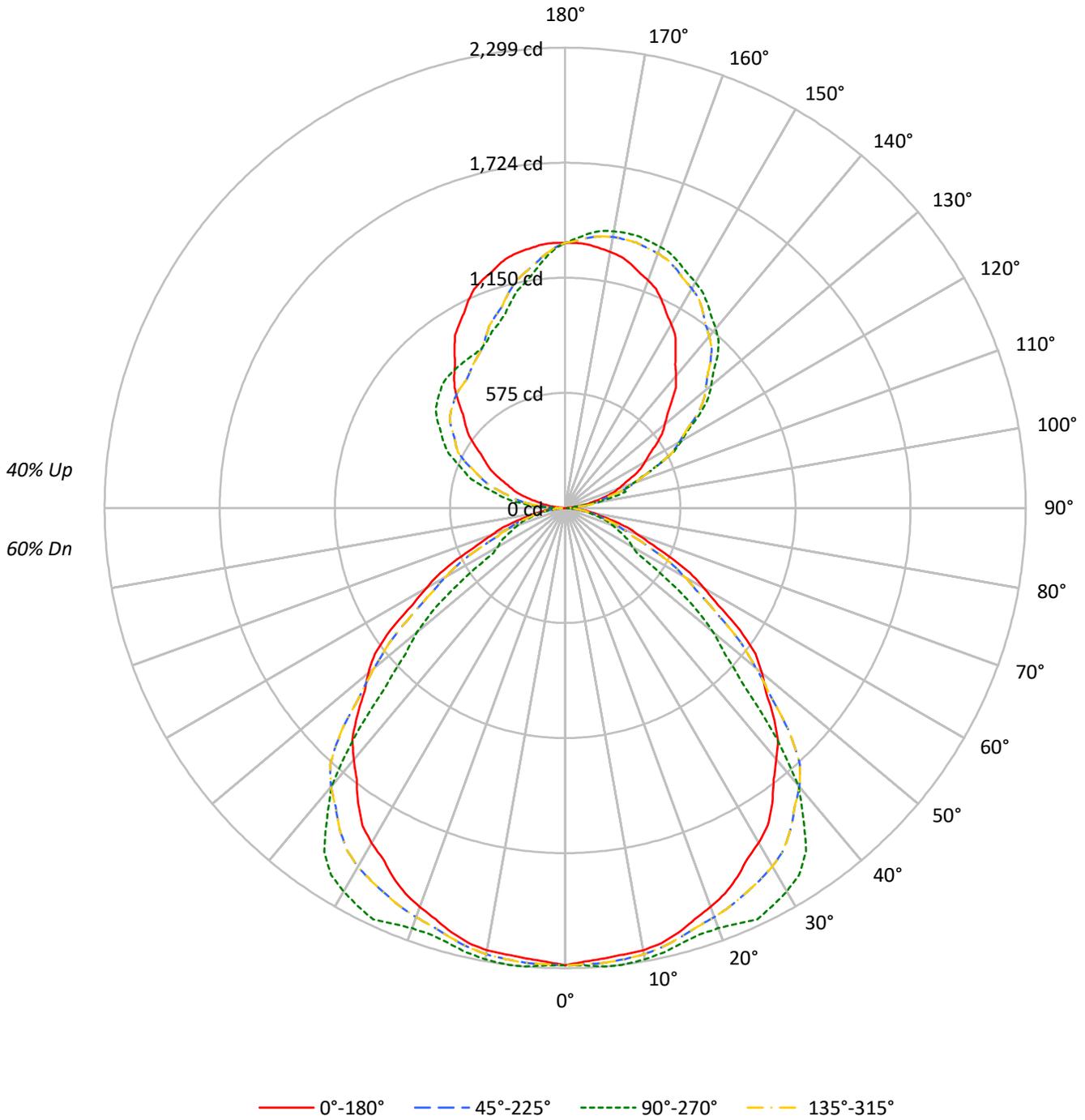
Lumens per Lamp: N/A  
Luminaire Lumens: 9625.6 lumens  
Efficiency: N/A  
Efficacy: 117.0 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 82.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L935-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	109	109	109	109	102	102	102	102	89	89	89	76	76	76	65	65	65	60
1	101	97	93	89	94	90	87	84	79	77	74	68	67	65	59	57	56	52
2	92	85	79	74	86	80	75	70	70	66	63	61	58	55	52	50	48	44
3	84	75	68	62	79	71	64	59	62	57	53	54	50	47	47	44	42	38
4	77	67	59	53	72	63	56	51	55	50	46	49	44	41	42	39	36	33
5	71	60	52	46	66	56	49	44	50	44	40	44	39	36	38	35	32	29
6	66	54	46	40	61	51	44	38	45	39	35	40	35	32	35	31	28	26
7	61	49	41	35	57	46	39	34	41	35	31	36	32	28	32	28	25	23
8	57	44	37	31	53	42	35	30	37	32	28	33	28	25	29	25	23	20
9	53	41	33	28	49	38	32	27	34	29	25	31	26	23	27	23	20	18
10	49	37	30	25	46	35	29	24	32	26	22	28	24	20	25	21	19	17

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

	0°	90°	180°	270°
0°	36886	36886	36886	36886
5°	36598	37262	36598	37262
10°	36783	37535	36783	37535
15°	36695	37622	36695	37622
20°	36432	38382	36432	38382
25°	36226	40398	36226	40398
30°	36019	41243	36019	41243
35°	35510	41318	35510	41318
40°	34561	38176	34561	38176
45°	33528	29060	33528	29060
50°	32211	24204	32211	24204
55°	29979	17404	29979	17404
60°	25814	12477	25814	12477
65°	21776	12271	21776	12271
70°	18127	11745	18127	11745
75°	15365	10998	15365	10998
80°	13026	9884	13026	9884
85°	10281	5372	10281	5372

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 36677 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.5	2.3
10°-20°	629.6	6.5
20°-30°	986.4	10.2
30°-40°	1216.8	12.6
40°-50°	1145.5	11.9
50°-60°	811.1	8.4
60°-70°	462.2	4.8
70°-80°	228.8	2.4
80°-90°	61.4	0.6
90°-100°	105.4	1.1
100°-110°	307.3	3.2
110°-120°	501.5	5.2
120°-130°	636.4	6.6
130°-140°	681.0	7.1
140°-150°	635.9	6.6
150°-160°	523.2	5.4
160°-170°	350.9	3.6
170°-180°	124.6	1.3
0°-30°	1833.5	19.0
0°-40°	3050.3	31.7
0°-60°	5006.9	52.0
0°-90°	5759.3	59.8
90°-120°	914.2	9.5
90°-150°	2867.5	29.8
90°-180°	3866.0	40.2
0°-180°	9625.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2285	2285	2285	2285	2285	
5°	2258	2299	2258	2299	2258	215
15°	2195	2251	2195	2251	2195	619
25°	2034	2268	2034	2268	2034	937
35°	1802	2096	1802	2096	1802	1124
45°	1468	1273	1468	1273	1468	1130
55°	1065	618	1065	618	1065	940
65°	570	321	570	321	570	572
75°	246	176	246	176	246	267
85°	56	29	56	29	56	65
90°	4	29	4	58	4	6
95°	42	31	42	181	42	50
105°	195	313	195	431	195	208
115°	374	519	374	639	374	369
125°	554	823	554	784	554	495
135°	753	1077	753	868	753	582
145°	962	1241	962	887	962	602
155°	1142	1348	1142	920	1142	525
165°	1263	1406	1263	1059	1263	355
175°	1320	1376	1320	1243	1320	125
180°	1324	1324	1324	1324	1324	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6
2.5°	2267.3	2281.9	2296.4	2293.0	2283.6	2279.7	2281.4	2283.1	2284.9	2286.6	2284.9
5°	2258.1	2276.3	2294.6	2291.9	2282.2	2278.5	2280.6	2284.1	2291.6	2299.1	2291.6
7.5°	2249.4	2268.1	2286.7	2284.3	2274.9	2272.0	2275.6	2280.7	2289.9	2299.1	2289.9
10°	2243.6	2259.7	2275.8	2273.4	2264.8	2263.2	2268.5	2274.4	2282.0	2289.5	2282.0
12.5°	2226.2	2241.4	2256.7	2254.7	2247.0	2246.6	2253.7	2260.7	2267.4	2274.0	2267.4
15°	2195.3	2209.2	2223.2	2223.5	2219.2	2221.9	2231.5	2240.1	2245.5	2250.8	2245.5
17.5°	2153.3	2170.2	2187.2	2191.1	2190.7	2197.3	2211.1	2222.8	2228.3	2233.9	2228.3
20°	2120.4	2140.8	2161.2	2167.9	2170.1	2179.7	2196.9	2212.5	2223.2	2233.9	2223.2
22.5°	2085.6	2109.5	2133.3	2142.2	2146.0	2160.8	2186.6	2210.5	2229.0	2247.5	2229.0
25°	2033.5	2057.1	2080.7	2097.9	2112.9	2139.2	2176.8	2211.9	2239.8	2267.7	2239.8
27.5°	1972.6	1996.0	2019.4	2048.9	2080.5	2117.4	2159.7	2196.9	2219.1	2241.2	2219.1
30°	1932.0	1954.6	1977.1	2010.9	2048.5	2089.3	2133.3	2171.4	2191.8	2212.2	2191.8
32.5°	1881.8	1905.2	1928.6	1964.6	2004.7	2048.5	2095.9	2136.2	2154.9	2173.5	2154.9
35°	1801.6	1824.2	1846.7	1888.6	1936.9	1985.7	2035.1	2074.8	2085.5	2096.3	2085.5
37.5°	1709.4	1734.9	1760.5	1807.4	1861.5	1902.4	1930.1	1951.0	1951.7	1952.3	1951.7
40°	1639.8	1673.1	1706.4	1753.3	1804.9	1833.3	1838.7	1839.2	1825.2	1811.3	1825.2
42.5°	1572.2	1614.9	1657.6	1695.4	1731.4	1738.8	1717.6	1686.1	1624.1	1562.1	1624.1
45°	1468.4	1518.8	1569.2	1592.3	1606.3	1559.1	1450.6	1358.6	1315.7	1272.7	1315.7
47.5°	1357.7	1407.5	1457.4	1451.0	1425.8	1354.4	1236.5	1140.7	1111.1	1081.5	1111.1
50°	1282.4	1329.6	1376.8	1342.8	1281.6	1201.1	1101.3	1019.4	991.5	963.6	991.5
52.5°	1197.4	1239.5	1281.5	1230.1	1147.4	1062.6	975.7	899.8	857.3	814.8	857.3
55°	1065.0	1094.0	1123.0	1066.6	981.9	888.5	786.5	699.8	659.0	618.3	659.0
57.5°	905.6	926.0	946.4	902.1	836.2	743.4	623.6	522.3	476.6	430.8	476.6
60°	799.4	815.5	831.6	791.3	732.3	643.7	525.7	431.5	408.9	386.4	408.9
62.5°	702.8	717.2	731.5	689.6	628.8	549.7	452.3	377.2	369.2	361.3	369.2
65°	570.0	583.9	597.9	553.9	490.5	428.8	368.7	323.3	322.3	321.2	322.3
67.5°	453.5	468.8	484.0	442.6	382.3	336.7	305.7	282.2	281.0	279.7	281.0
70°	384.0	400.1	416.2	377.6	320.7	283.6	266.5	253.0	250.9	248.8	250.9
72.5°	326.0	341.3	356.5	322.8	272.8	242.2	231.0	222.3	221.1	219.8	221.1
75°	246.3	258.1	269.9	245.5	209.0	188.1	182.7	178.4	177.4	176.3	177.4
77.5°	178.7	186.2	193.7	177.7	153.9	140.6	137.8	135.5	134.4	133.3	134.4
80°	140.1	143.3	146.5	135.2	119.1	110.6	109.5	108.4	107.3	106.3	107.3
82.5°	105.3	104.2	103.1	96.6	88.2	83.5	82.4	81.1	79.2	77.3	79.2
85°	55.5	53.4	51.3	49.1	47.0	43.7	39.4	35.4	32.2	29.0	32.2
87.5°	18.2	19.3	20.6	18.4	15.0	12.6	11.8	11.4	11.7	11.7	11.7
90°	4.0	9.4	16.1	21.4	25.4	26.8	26.8	28.1	29.4	29.4	29.4
92.5°	14.7	23.3	23.5	23.5	28.6	31.0	33.2	33.4	34.8	34.8	34.8
95°	41.5	45.5	68.2	66.9	45.5	36.1	30.8	30.8	30.8	30.8	30.8
97.5°	79.2	85.1	88.8	119.0	125.7	121.4	99.0	83.2	74.4	70.4	74.4
100°	112.4	115.0	123.1	124.4	157.8	189.9	173.9	153.8	147.1	143.1	147.1
102.5°	145.5	147.1	159.4	165.1	172.8	191.0	246.6	240.5	235.9	235.1	235.9
105°	195.3	196.6	219.4	230.1	235.4	235.4	234.1	260.8	303.6	313.0	303.6
107.5°	248.5	254.7	281.4	310.0	316.2	317.8	310.8	306.8	305.2	306.3	305.2
110°	284.9	294.3	326.4	362.5	371.8	374.5	371.8	367.8	365.1	365.1	365.1



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	320.2	333.9	370.2	411.7	427.5	435.5	429.6	426.7	424.0	426.1	424.0
115°	374.5	394.6	442.7	485.5	517.6	521.6	520.3	520.3	519.0	519.0	519.0
117.5°	424.8	456.9	510.9	560.7	597.9	608.6	613.9	612.3	610.7	613.4	610.7
120°	460.1	497.6	559.1	615.3	651.4	667.4	672.8	670.1	672.8	670.1	672.8
122.5°	497.6	543.6	604.0	662.4	704.9	723.1	729.5	730.0	730.6	729.0	730.6
125°	553.7	609.9	680.8	741.0	785.1	806.5	811.9	813.2	815.9	822.6	815.9
127.5°	610.5	674.1	752.0	810.0	855.2	881.2	889.5	892.4	898.0	901.0	898.0
130°	650.0	722.3	801.2	856.0	900.2	928.3	943.0	947.0	953.7	952.3	953.7
132.5°	691.8	767.2	847.2	904.2	945.1	975.3	987.9	999.4	1001.8	1003.7	1001.8
135°	753.0	834.6	914.9	971.1	1009.8	1039.3	1055.3	1066.0	1072.7	1076.7	1072.7
137.5°	817.5	903.6	980.7	1030.7	1069.8	1095.2	1113.4	1124.6	1131.6	1134.8	1131.6
140°	861.4	944.3	1019.2	1071.4	1106.1	1131.6	1147.6	1161.0	1169.0	1169.0	1169.0
142.5°	903.1	985.0	1057.7	1109.9	1140.4	1163.7	1180.8	1190.9	1200.0	1200.0	1200.0
145°	961.7	1043.3	1110.2	1162.3	1187.7	1209.1	1227.9	1235.9	1241.2	1241.2	1241.2
147.5°	1023.0	1095.2	1156.2	1206.2	1227.6	1252.7	1267.5	1273.9	1280.6	1277.6	1280.6
150°	1059.3	1126.2	1185.1	1231.9	1253.3	1277.4	1292.1	1297.4	1304.1	1300.1	1304.1
152.5°	1094.6	1158.3	1211.8	1255.4	1273.6	1297.7	1314.5	1319.9	1324.4	1321.5	1324.4
155°	1142.3	1198.4	1247.9	1288.1	1304.1	1326.8	1342.9	1349.6	1354.9	1348.2	1354.9
157.5°	1184.8	1233.2	1276.3	1313.2	1330.3	1349.9	1364.8	1373.1	1378.5	1375.5	1378.5
160°	1210.5	1254.6	1293.4	1328.2	1344.2	1361.6	1377.7	1387.0	1392.4	1388.4	1392.4
162.5°	1231.9	1271.7	1308.4	1340.0	1353.9	1369.1	1388.4	1396.7	1402.0	1396.9	1402.0
165°	1262.6	1294.7	1326.8	1353.6	1365.6	1377.7	1397.7	1407.1	1411.1	1405.8	1411.1
167.5°	1285.9	1310.5	1336.5	1359.5	1368.3	1380.1	1400.1	1407.9	1413.0	1406.3	1413.0
170°	1298.8	1320.2	1342.9	1361.6	1368.3	1379.0	1399.1	1405.8	1409.8	1403.1	1409.8
172.5°	1309.5	1325.5	1344.0	1360.6	1364.0	1372.6	1391.6	1398.3	1401.2	1395.6	1401.2
175°	1320.2	1329.5	1342.9	1353.6	1352.3	1357.6	1373.7	1379.0	1384.4	1376.3	1384.4
177.5°	1325.2	1329.5	1333.8	1340.2	1335.9	1335.9	1347.7	1350.9	1352.0	1347.7	1352.0
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6
2.5°	2283.1	2281.4	2279.7	2283.6	2293.0	2296.4	2281.9	2267.3	2281.9	2296.4	2293.0
5°	2284.1	2280.6	2278.5	2282.2	2291.9	2294.6	2276.3	2258.1	2276.3	2294.6	2291.9
7.5°	2280.7	2275.6	2272.0	2274.9	2284.3	2286.7	2268.1	2249.4	2268.1	2286.7	2284.3
10°	2274.4	2268.5	2263.2	2264.8	2273.4	2275.8	2259.7	2243.6	2259.7	2275.8	2273.4
12.5°	2260.7	2253.7	2246.6	2247.0	2254.7	2256.7	2241.4	2226.2	2241.4	2256.7	2254.7
15°	2240.1	2231.5	2221.9	2219.2	2223.5	2223.2	2209.2	2195.3	2209.2	2223.2	2223.5
17.5°	2222.8	2211.1	2197.3	2190.7	2191.1	2187.2	2170.2	2153.3	2170.2	2187.2	2191.1
20°	2212.5	2196.9	2179.7	2170.1	2167.9	2161.2	2140.8	2120.4	2140.8	2161.2	2167.9
22.5°	2210.5	2186.6	2160.8	2146.0	2142.2	2133.3	2109.5	2085.6	2109.5	2133.3	2142.2
25°	2211.9	2176.8	2139.2	2112.9	2097.9	2080.7	2057.1	2033.5	2057.1	2080.7	2097.9
27.5°	2196.9	2159.7	2117.4	2080.5	2048.9	2019.4	1996.0	1972.6	1996.0	2019.4	2048.9
30°	2171.4	2133.3	2089.3	2048.5	2010.9	1977.1	1954.6	1932.0	1954.6	1977.1	2010.9
32.5°	2136.2	2095.9	2048.5	2004.7	1964.6	1928.6	1905.2	1881.8	1905.2	1928.6	1964.6
35°	2074.8	2035.1	1985.7	1936.9	1888.6	1846.7	1824.2	1801.6	1824.2	1846.7	1888.6
37.5°	1951.0	1930.1	1902.4	1861.5	1807.4	1760.5	1734.9	1709.4	1734.9	1760.5	1807.4
40°	1839.2	1838.7	1833.3	1804.9	1753.3	1706.4	1673.1	1639.8	1673.1	1706.4	1753.3
42.5°	1686.1	1717.6	1738.8	1731.4	1695.4	1657.6	1614.9	1572.2	1614.9	1657.6	1695.4
45°	1358.6	1450.6	1559.1	1606.3	1592.3	1569.2	1518.8	1468.4	1518.8	1569.2	1592.3
47.5°	1140.7	1236.5	1354.4	1425.8	1451.0	1457.4	1407.5	1357.7	1407.5	1457.4	1451.0
50°	1019.4	1101.3	1201.1	1281.6	1342.8	1376.8	1329.6	1282.4	1329.6	1376.8	1342.8
52.5°	899.8	975.7	1062.6	1147.4	1230.1	1281.5	1239.5	1197.4	1239.5	1281.5	1230.1
55°	699.8	786.5	888.5	981.9	1066.6	1123.0	1094.0	1065.0	1094.0	1123.0	1066.6
57.5°	522.3	623.6	743.4	836.2	902.1	946.4	926.0	905.6	926.0	946.4	902.1
60°	431.5	525.7	643.7	732.3	791.3	831.6	815.5	799.4	815.5	831.6	791.3
62.5°	377.2	452.3	549.7	628.8	689.6	731.5	717.2	702.8	717.2	731.5	689.6
65°	323.3	368.7	428.8	490.5	553.9	597.9	583.9	570.0	583.9	597.9	553.9
67.5°	282.2	305.7	336.7	382.3	442.6	484.0	468.8	453.5	468.8	484.0	442.6
70°	253.0	266.5	283.6	320.7	377.6	416.2	400.1	384.0	400.1	416.2	377.6
72.5°	222.3	231.0	242.2	272.8	322.8	356.5	341.3	326.0	341.3	356.5	322.8
75°	178.4	182.7	188.1	209.0	245.5	269.9	258.1	246.3	258.1	269.9	245.5
77.5°	135.5	137.8	140.6	153.9	177.7	193.7	186.2	178.7	186.2	193.7	177.7
80°	108.4	109.5	110.6	119.1	135.2	146.5	143.3	140.1	143.3	146.5	135.2
82.5°	81.1	82.4	83.5	88.2	96.6	103.1	104.2	105.3	104.2	103.1	96.6
85°	35.4	39.4	43.7	47.0	49.1	51.3	53.4	55.5	53.4	51.3	49.1
87.5°	11.4	11.8	12.6	15.0	18.4	20.6	19.3	18.2	19.3	20.3	19.0
90°	28.1	26.8	26.8	25.4	21.4	16.1	9.4	4.0	9.4	14.7	24.1
92.5°	33.4	33.2	31.0	28.6	23.5	23.5	23.3	14.7	25.4	36.1	51.9
95°	30.8	30.8	36.1	45.5	66.9	68.2	45.5	41.5	58.9	82.9	104.3
97.5°	83.2	99.0	121.4	125.7	119.0	88.8	85.1	79.2	107.8	131.6	166.1
100°	153.8	173.9	189.9	157.8	124.4	123.1	115.0	112.4	143.1	165.9	199.3
102.5°	240.5	246.6	191.0	172.8	165.1	159.4	147.1	145.5	176.3	207.6	235.7
105°	260.8	234.1	235.4	235.4	230.1	219.4	196.6	195.3	230.1	266.2	300.9
107.5°	306.8	310.8	317.8	316.2	310.0	281.4	254.7	248.5	279.8	323.2	361.4
110°	367.8	371.8	374.5	371.8	362.5	326.4	294.3	284.9	313.0	358.5	399.9



TEST NUMBER: P1428105

CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	426.7	429.6	435.5	427.5	411.7	370.2	333.9	320.2	348.3	394.8	437.4
115°	520.3	520.3	521.6	517.6	485.5	442.7	394.6	374.5	398.6	441.4	488.2
117.5°	612.3	613.9	608.6	597.9	560.7	510.9	456.9	424.8	443.8	489.0	537.2
120°	670.1	672.8	667.4	651.4	615.3	559.1	497.6	460.1	474.8	519.0	567.1
122.5°	730.0	729.5	723.1	704.9	662.4	604.0	543.6	497.6	503.7	544.6	591.7
125°	813.2	811.9	806.5	785.1	741.0	680.8	609.9	553.7	545.7	580.5	628.6
127.5°	892.4	889.5	881.2	855.2	810.0	752.0	674.1	610.5	592.5	614.5	658.6
130°	947.0	943.0	928.3	900.2	856.0	801.2	722.3	650.0	624.6	638.0	676.8
132.5°	999.4	987.9	975.3	945.1	904.2	847.2	767.2	691.8	656.7	662.6	692.8
135°	1066.0	1055.3	1039.3	1009.8	971.1	914.9	834.6	753.0	704.9	699.5	716.9
137.5°	1124.6	1113.4	1095.2	1069.8	1030.7	980.7	903.6	817.5	756.8	738.9	745.5
140°	1161.0	1147.6	1131.6	1106.1	1071.4	1019.2	944.3	861.4	793.2	767.8	763.7
142.5°	1190.9	1180.8	1163.7	1140.4	1109.9	1057.7	985.0	903.1	830.6	797.7	788.3
145°	1235.9	1227.9	1209.1	1187.7	1162.3	1110.2	1043.3	961.7	889.5	846.7	826.6
147.5°	1273.9	1267.5	1252.7	1227.6	1206.2	1156.2	1095.2	1023.0	948.9	895.9	869.9
150°	1297.4	1292.1	1277.4	1253.3	1231.9	1185.1	1126.2	1059.3	988.4	932.3	898.8
152.5°	1319.9	1314.5	1297.7	1273.6	1255.4	1211.8	1158.3	1094.6	1022.7	966.5	932.0
155°	1349.6	1342.9	1326.8	1304.1	1288.1	1247.9	1198.4	1142.3	1080.7	1021.9	983.1
157.5°	1373.1	1364.8	1349.9	1330.3	1313.2	1276.3	1233.2	1184.8	1131.0	1074.9	1035.3
160°	1387.0	1377.7	1361.6	1344.2	1328.2	1293.4	1254.6	1210.5	1161.0	1110.2	1067.4
162.5°	1396.7	1388.4	1369.1	1353.9	1340.0	1308.4	1271.7	1231.9	1187.7	1143.3	1103.7
165°	1407.1	1397.7	1377.7	1365.6	1353.6	1326.8	1294.7	1262.6	1225.2	1189.1	1157.0
167.5°	1407.9	1400.1	1380.1	1368.3	1359.5	1336.5	1310.5	1285.9	1256.8	1228.4	1201.7
170°	1405.8	1399.1	1379.0	1368.3	1361.6	1342.9	1320.2	1298.8	1276.0	1251.9	1230.5
172.5°	1398.3	1391.6	1372.6	1364.0	1360.6	1344.0	1325.5	1309.5	1289.9	1272.3	1255.2
175°	1379.0	1373.7	1357.6	1352.3	1353.6	1342.9	1329.5	1320.2	1308.1	1297.4	1288.1
177.5°	1350.9	1347.7	1335.9	1335.9	1340.2	1333.8	1329.5	1325.2	1319.9	1316.7	1313.5
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1428105

CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6	2284.6
2.5°	2283.6	2279.7	2281.4	2283.1	2284.9	2286.6	2284.9	2283.1	2281.4	2279.7	2283.6
5°	2282.2	2278.5	2280.6	2284.1	2291.6	2299.1	2291.6	2284.1	2280.6	2278.5	2282.2
7.5°	2274.9	2272.0	2275.6	2280.7	2289.9	2299.1	2289.9	2280.7	2275.6	2272.0	2274.9
10°	2264.8	2263.2	2268.5	2274.4	2282.0	2289.5	2282.0	2274.4	2268.5	2263.2	2264.8
12.5°	2247.0	2246.6	2253.7	2260.7	2267.4	2274.0	2267.4	2260.7	2253.7	2246.6	2247.0
15°	2219.2	2221.9	2231.5	2240.1	2245.5	2250.8	2245.5	2240.1	2231.5	2221.9	2219.2
17.5°	2190.7	2197.3	2211.1	2222.8	2228.3	2233.9	2228.3	2222.8	2211.1	2197.3	2190.7
20°	2170.1	2179.7	2196.9	2212.5	2223.2	2233.9	2223.2	2212.5	2196.9	2179.7	2170.1
22.5°	2146.0	2160.8	2186.6	2210.5	2229.0	2247.5	2229.0	2210.5	2186.6	2160.8	2146.0
25°	2112.9	2139.2	2176.8	2211.9	2239.8	2267.7	2239.8	2211.9	2176.8	2139.2	2112.9
27.5°	2080.5	2117.4	2159.7	2196.9	2219.1	2241.2	2219.1	2196.9	2159.7	2117.4	2080.5
30°	2048.5	2089.3	2133.3	2171.4	2191.8	2212.2	2191.8	2171.4	2133.3	2089.3	2048.5
32.5°	2004.7	2048.5	2095.9	2136.2	2154.9	2173.5	2154.9	2136.2	2095.9	2048.5	2004.7
35°	1936.9	1985.7	2035.1	2074.8	2085.5	2096.3	2085.5	2074.8	2035.1	1985.7	1936.9
37.5°	1861.5	1902.4	1930.1	1951.0	1951.7	1952.3	1951.7	1951.0	1930.1	1902.4	1861.5
40°	1804.9	1833.3	1838.7	1839.2	1825.2	1811.3	1825.2	1839.2	1838.7	1833.3	1804.9
42.5°	1731.4	1738.8	1717.6	1686.1	1624.1	1562.1	1624.1	1686.1	1717.6	1738.8	1731.4
45°	1606.3	1559.1	1450.6	1358.6	1315.7	1272.7	1315.7	1358.6	1450.6	1559.1	1606.3
47.5°	1425.8	1354.4	1236.5	1140.7	1111.1	1081.5	1111.1	1140.7	1236.5	1354.4	1425.8
50°	1281.6	1201.1	1101.3	1019.4	991.5	963.6	991.5	1019.4	1101.3	1201.1	1281.6
52.5°	1147.4	1062.6	975.7	899.8	857.3	814.8	857.3	899.8	975.7	1062.6	1147.4
55°	981.9	888.5	786.5	699.8	659.0	618.3	659.0	699.8	786.5	888.5	981.9
57.5°	836.2	743.4	623.6	522.3	476.6	430.8	476.6	522.3	623.6	743.4	836.2
60°	732.3	643.7	525.7	431.5	408.9	386.4	408.9	431.5	525.7	643.7	732.3
62.5°	628.8	549.7	452.3	377.2	369.2	361.3	369.2	377.2	452.3	549.7	628.8
65°	490.5	428.8	368.7	323.3	322.3	321.2	322.3	323.3	368.7	428.8	490.5
67.5°	382.3	336.7	305.7	282.2	281.0	279.7	281.0	282.2	305.7	336.7	382.3
70°	320.7	283.6	266.5	253.0	250.9	248.8	250.9	253.0	266.5	283.6	320.7
72.5°	272.8	242.2	231.0	222.3	221.1	219.8	221.1	222.3	231.0	242.2	272.8
75°	209.0	188.1	182.7	178.4	177.4	176.3	177.4	178.4	182.7	188.1	209.0
77.5°	153.9	140.6	137.8	135.5	134.4	133.3	134.4	135.5	137.8	140.6	153.9
80°	119.1	110.6	109.5	108.4	107.3	106.3	107.3	108.4	109.5	110.6	119.1
82.5°	88.2	83.5	82.4	81.1	79.2	77.3	79.2	81.1	82.4	83.5	88.2
85°	47.0	43.7	39.4	35.4	32.2	29.0	32.2	35.4	39.4	43.7	47.0
87.5°	16.0	15.3	16.3	16.8	17.8	17.3	17.8	16.8	16.3	15.3	16.0
90°	30.8	40.1	49.5	54.8	60.2	57.5	60.2	54.8	49.5	40.1	30.8
92.5°	61.8	77.6	89.1	98.7	103.0	102.5	103.0	98.7	89.1	77.6	61.8
95°	124.4	143.1	161.8	175.2	183.2	180.6	183.2	175.2	161.8	143.1	124.4
97.5°	191.8	216.9	237.8	250.4	258.4	263.8	258.4	250.4	237.8	216.9	191.8
100°	236.7	260.8	284.9	299.6	313.0	318.3	313.0	299.6	284.9	260.8	236.7
102.5°	273.1	304.7	330.9	346.7	357.9	363.3	357.9	346.7	330.9	304.7	273.1
105°	333.0	366.5	394.6	414.6	426.7	430.7	426.7	414.6	394.6	366.5	333.0
107.5°	393.0	427.5	453.4	475.6	490.3	498.9	490.3	475.6	453.4	427.5	393.0
110°	440.1	468.1	496.2	516.3	531.0	536.4	531.0	516.3	496.2	468.1	440.1



TEST NUMBER: P1428105

CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	479.6	510.9	539.0	559.1	575.9	583.4	575.9	559.1	539.0	510.9	479.6
115°	535.0	576.5	601.9	620.6	632.7	639.3	632.7	620.6	601.9	576.5	535.0
117.5°	581.0	624.4	652.2	666.6	672.3	677.1	672.3	666.6	652.2	624.4	581.0
120°	609.9	650.0	682.1	700.9	707.6	710.2	707.6	700.9	682.1	650.0	609.9
122.5°	636.7	674.7	705.7	728.7	739.7	742.3	739.7	728.7	705.7	674.7	636.7
125°	674.1	710.2	742.3	765.1	777.1	783.8	777.1	765.1	742.3	710.2	674.1
127.5°	706.8	745.8	775.2	795.8	807.6	813.0	807.6	795.8	775.2	745.8	706.8
130°	724.9	765.1	794.5	817.2	827.9	833.3	827.9	817.2	794.5	765.1	724.9
132.5°	738.9	781.1	811.6	832.2	844.0	849.3	844.0	832.2	811.6	781.1	738.9
135°	755.7	799.9	832.0	852.0	862.7	868.1	862.7	852.0	832.0	799.9	755.7
137.5°	770.4	810.6	844.0	865.1	874.8	878.2	874.8	865.1	844.0	810.6	770.4
140°	781.1	815.9	849.3	869.4	880.1	881.4	880.1	869.4	849.3	815.9	781.1
142.5°	795.0	822.3	851.5	871.5	882.2	884.7	882.2	871.5	851.5	822.3	795.0
145°	819.9	836.0	856.0	874.8	884.1	886.8	884.1	874.8	856.0	836.0	819.9
147.5°	851.2	856.3	866.7	879.0	888.1	890.0	888.1	879.0	866.7	856.3	851.2
150°	874.8	873.4	877.4	885.5	893.5	892.1	893.5	885.5	877.4	873.4	874.8
152.5°	901.5	893.7	893.5	897.2	901.0	900.7	901.0	897.2	893.5	893.7	901.5
155°	947.0	932.3	924.2	921.6	921.6	920.2	921.6	921.6	924.2	932.3	947.0
157.5°	997.0	976.4	964.4	957.9	956.1	953.1	956.1	957.9	964.4	976.4	997.0
160°	1031.2	1008.5	996.5	985.8	981.8	977.7	981.8	985.8	996.5	1008.5	1031.2
162.5°	1063.3	1041.7	1028.6	1018.9	1014.9	1008.8	1014.9	1018.9	1028.6	1041.7	1063.3
165°	1115.5	1092.8	1078.1	1070.0	1064.7	1059.3	1064.7	1070.0	1078.1	1092.8	1115.5
167.5°	1167.7	1142.8	1133.2	1124.1	1119.0	1109.4	1119.0	1124.1	1133.2	1142.8	1167.7
170°	1199.8	1177.0	1171.7	1163.7	1154.3	1143.6	1154.3	1163.7	1171.7	1177.0	1199.8
172.5°	1227.6	1212.4	1207.0	1199.0	1196.0	1187.5	1196.0	1199.0	1207.0	1212.4	1227.6
175°	1268.0	1256.0	1256.0	1254.6	1250.6	1242.6	1250.6	1254.6	1256.0	1256.0	1268.0
177.5°	1301.7	1295.3	1299.6	1299.6	1298.5	1291.0	1298.5	1299.6	1299.6	1295.3	1301.7
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1428105

CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	2284.6	2284.6	2284.6	2284.6
2.5°	2293.0	2296.4	2281.9	2267.3
5°	2291.9	2294.6	2276.3	2258.1
7.5°	2284.3	2286.7	2268.1	2249.4
10°	2273.4	2275.8	2259.7	2243.6
12.5°	2254.7	2256.7	2241.4	2226.2
15°	2223.5	2223.2	2209.2	2195.3
17.5°	2191.1	2187.2	2170.2	2153.3
20°	2167.9	2161.2	2140.8	2120.4
22.5°	2142.2	2133.3	2109.5	2085.6
25°	2097.9	2080.7	2057.1	2033.5
27.5°	2048.9	2019.4	1996.0	1972.6
30°	2010.9	1977.1	1954.6	1932.0
32.5°	1964.6	1928.6	1905.2	1881.8
35°	1888.6	1846.7	1824.2	1801.6
37.5°	1807.4	1760.5	1734.9	1709.4
40°	1753.3	1706.4	1673.1	1639.8
42.5°	1695.4	1657.6	1614.9	1572.2
45°	1592.3	1569.2	1518.8	1468.4
47.5°	1451.0	1457.4	1407.5	1357.7
50°	1342.8	1376.8	1329.6	1282.4
52.5°	1230.1	1281.5	1239.5	1197.4
55°	1066.6	1123.0	1094.0	1065.0
57.5°	902.1	946.4	926.0	905.6
60°	791.3	831.6	815.5	799.4
62.5°	689.6	731.5	717.2	702.8
65°	553.9	597.9	583.9	570.0
67.5°	442.6	484.0	468.8	453.5
70°	377.6	416.2	400.1	384.0
72.5°	322.8	356.5	341.3	326.0
75°	245.5	269.9	258.1	246.3
77.5°	177.7	193.7	186.2	178.7
80°	135.2	146.5	143.3	140.1
82.5°	96.6	103.1	104.2	105.3
85°	49.1	51.3	53.4	55.5
87.5°	19.0	20.3	19.3	18.2
90°	24.1	14.7	9.4	4.0
92.5°	51.9	36.1	25.4	14.7
95°	104.3	82.9	58.9	41.5
97.5°	166.1	131.6	107.8	79.2
100°	199.3	165.9	143.1	112.4
102.5°	235.7	207.6	176.3	145.5
105°	300.9	266.2	230.1	195.3
107.5°	361.4	323.2	279.8	248.5
110°	399.9	358.5	313.0	284.9



TEST NUMBER: P1428105

CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	437.4	394.8	348.3	320.2
115°	488.2	441.4	398.6	374.5
117.5°	537.2	489.0	443.8	424.8
120°	567.1	519.0	474.8	460.1
122.5°	591.7	544.6	503.7	497.6
125°	628.6	580.5	545.7	553.7
127.5°	658.6	614.5	592.5	610.5
130°	676.8	638.0	624.6	650.0
132.5°	692.8	662.6	656.7	691.8
135°	716.9	699.5	704.9	753.0
137.5°	745.5	738.9	756.8	817.5
140°	763.7	767.8	793.2	861.4
142.5°	788.3	797.7	830.6	903.1
145°	826.6	846.7	889.5	961.7
147.5°	869.9	895.9	948.9	1023.0
150°	898.8	932.3	988.4	1059.3
152.5°	932.0	966.5	1022.7	1094.6
155°	983.1	1021.9	1080.7	1142.3
157.5°	1035.3	1074.9	1131.0	1184.8
160°	1067.4	1110.2	1161.0	1210.5
162.5°	1103.7	1143.3	1187.7	1231.9
165°	1157.0	1189.1	1225.2	1262.6
167.5°	1201.7	1228.4	1256.8	1285.9
170°	1230.5	1251.9	1276.0	1298.8
172.5°	1255.2	1272.3	1289.9	1309.5
175°	1288.1	1297.4	1308.1	1320.2
177.5°	1313.5	1316.7	1319.9	1325.2
180°	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1428105  
 CATALOG NUMBER: SQ2W-PP3-K-100U-125D-L935-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	20.86	21.78	21.73	22.67	23.79	16.63	17.55	17.51	18.44	19.57
	3H	21.93	22.74	22.81	23.65	24.80	17.95	18.77	18.83	19.67	20.82
	4H	22.30	23.07	23.20	23.98	25.14	18.51	19.28	19.41	20.18	21.35
	6H	22.49	23.20	23.41	24.12	25.29	18.87	19.58	19.79	20.50	21.67
	8H	22.56	23.23	23.48	24.16	25.34	19.00	19.68	19.93	20.61	21.78
	12H	22.58	23.22	23.51	24.15	25.35	19.04	19.68	19.97	20.61	21.81
4H	2H	20.99	21.76	21.90	22.67	23.83	17.55	18.32	18.46	19.23	20.39
	3H	22.29	22.93	23.21	23.86	25.04	18.98	19.62	19.90	20.55	21.73
	4H	22.80	23.38	23.73	24.31	25.51	19.60	20.18	20.53	21.12	22.32
	6H	23.11	23.62	24.06	24.57	25.78	20.05	20.55	20.99	21.51	22.71
	8H	23.23	23.69	24.17	24.64	25.86	20.22	20.69	21.17	21.64	22.86
	12H	23.27	23.69	24.24	24.66	25.88	20.27	20.69	21.24	21.66	22.88
8H	4H	22.82	23.29	23.77	24.24	25.45	19.91	20.38	20.86	21.33	22.55
	6H	23.23	23.62	24.21	24.61	25.83	20.47	20.86	21.45	21.85	23.07
	8H	23.41	23.76	24.39	24.74	25.97	20.72	21.06	21.70	22.05	23.28
	12H	23.51	23.82	24.50	24.79	26.07	20.83	21.13	21.81	22.10	23.38
12H	4H	22.78	23.20	23.75	24.17	25.39	19.93	20.35	20.89	21.32	22.54
	6H	23.23	23.57	24.21	24.55	25.78	20.54	20.88	21.52	21.86	23.10
	8H	23.42	23.73	24.41	24.70	25.98	20.82	21.12	21.80	22.09	23.38