

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: P1428078

Luminaire Tested: SQ2W-PP3-K-075U-125D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428078  
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-075U-125D-L835-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 750 LUMENS PER FOOT  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

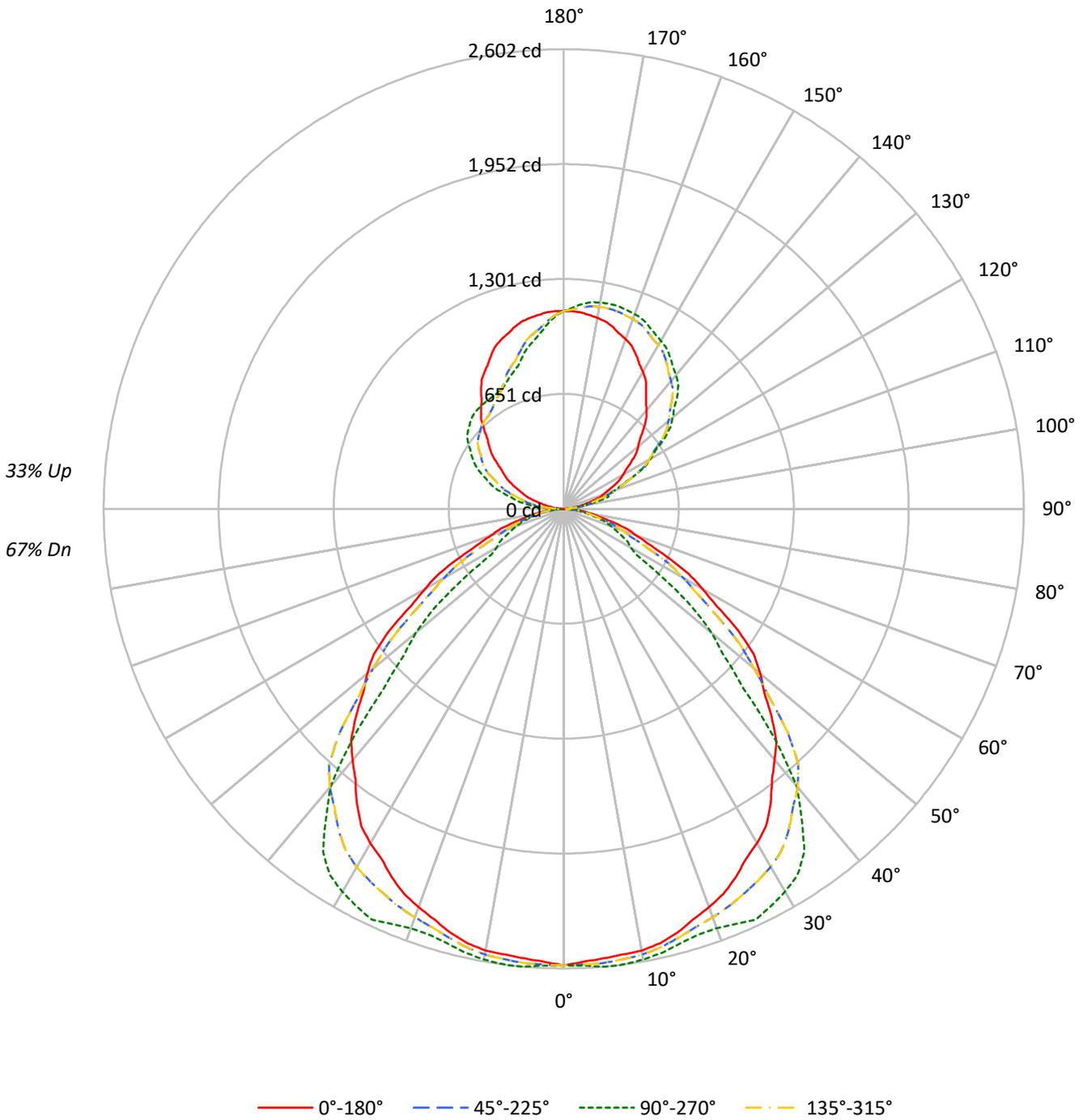
Lumens per Lamp: N/A  
Luminaire Lumens: 9783.8 lumens  
Efficiency: N/A  
Efficacy: 134.4 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 72.8  
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-075U-125D-L835-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20				
RC	80					70					50					30				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	111	111	111	111	105	105	105	105	93	93	93	82	82	82	71	71	71	67		
1	102	98	94	91	96	93	89	86	82	80	78	73	71	69	64	63	62	58		
2	94	86	81	75	88	82	77	72	73	69	65	65	62	59	57	55	53	49		
3	86	77	69	64	81	73	66	61	65	60	56	58	54	51	51	48	46	42		
4	79	68	60	54	74	65	58	52	58	52	48	52	47	44	46	43	40	37		
5	73	61	53	47	68	58	51	45	52	46	42	47	42	38	42	38	35	32		
6	67	55	47	41	63	52	45	40	47	41	37	43	38	34	38	34	31	28		
7	62	50	42	36	58	47	40	35	43	37	33	39	34	30	35	31	28	25		
8	58	45	38	32	54	43	36	31	39	33	29	36	31	27	32	28	25	23		
9	54	42	34	29	51	40	33	28	36	30	26	33	28	24	30	25	23	20		
10	50	38	31	26	48	36	30	25	33	28	24	30	25	22	27	23	20	19		

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

	0°	90°	180°	270°
0°	41743	41743	41743	41743
5°	41416	42168	41416	42168
10°	41626	42477	41626	42477
15°	41525	42577	41525	42577
20°	41229	43437	41229	43437
25°	40995	45718	40995	45718
30°	40762	46673	40762	46673
35°	40185	46758	40185	46758
40°	39112	43203	39112	43203
45°	37942	32887	37942	32887
50°	36451	27391	36451	27391
55°	33928	19696	33928	19696
60°	29211	14121	29211	14121
65°	24641	13887	24641	13887
70°	20516	13289	20516	13289
75°	17392	12445	17392	12445
80°	14737	11185	14737	11185
85°	11652	6076	11652	6076

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 41506 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	246.2	2.5
10°-20°	712.5	7.3
20°-30°	1116.2	11.4
30°-40°	1377.0	14.1
40°-50°	1296.3	13.2
50°-60°	917.9	9.4
60°-70°	523.0	5.3
70°-80°	258.9	2.6
80°-90°	67.9	0.7
90°-100°	89.1	0.9
100°-110°	259.7	2.7
110°-120°	423.9	4.3
120°-130°	537.9	5.5
130°-140°	575.6	5.9
140°-150°	537.5	5.5
150°-160°	442.3	4.5
160°-170°	296.6	3.0
170°-180°	105.3	1.1
0°-30°	2074.9	21.2
0°-40°	3451.9	35.3
0°-60°	5666.2	57.9
0°-90°	6516.0	66.6
90°-120°	772.7	7.9
90°-150°	2423.6	24.8
90°-180°	3268.0	33.4
0°-180°	9783.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2585	2585	2585	2585	2585	
5°	2555	2602	2555	2602	2555	243
15°	2484	2547	2484	2547	2484	700
25°	2301	2566	2301	2566	2301	1060
35°	2039	2372	2039	2372	2039	1272
45°	1662	1440	1662	1440	1662	1279
55°	1205	700	1205	700	1205	1063
65°	645	364	645	364	645	648
75°	279	200	279	200	279	302
85°	63	33	63	33	63	74
90°	3	25	3	49	3	5
95°	35	26	35	153	35	42
105°	165	264	165	364	165	176
115°	316	439	316	540	316	312
125°	468	695	468	662	468	419
135°	636	910	636	734	636	492
145°	813	1049	813	750	813	509
155°	965	1140	965	778	965	444
165°	1067	1188	1067	895	1067	300
175°	1116	1163	1116	1050	1116	106
180°	1119	1119	1119	1119	1119	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4
2.5°	2565.8	2582.3	2598.8	2594.9	2584.2	2579.9	2581.8	2583.7	2585.7	2587.6	2585.7
5°	2555.4	2576.0	2596.7	2593.6	2582.7	2578.5	2580.9	2584.8	2593.3	2601.8	2593.3
7.5°	2545.5	2566.7	2587.8	2585.1	2574.4	2571.1	2575.2	2581.0	2591.4	2601.8	2591.4
10°	2539.0	2557.2	2575.4	2572.7	2563.0	2561.2	2567.2	2573.9	2582.4	2590.9	2582.4
12.5°	2519.3	2536.6	2553.8	2551.6	2542.8	2542.4	2550.5	2558.4	2565.9	2573.4	2565.9
15°	2484.3	2500.1	2515.9	2516.2	2511.4	2514.4	2525.3	2535.0	2541.1	2547.2	2541.1
17.5°	2436.8	2456.0	2475.2	2479.6	2479.1	2486.6	2502.2	2515.4	2521.7	2528.1	2521.7
20°	2399.6	2422.7	2445.8	2453.4	2455.8	2466.7	2486.1	2503.8	2515.9	2528.1	2515.9
22.5°	2360.2	2387.2	2414.2	2424.2	2428.6	2445.3	2474.5	2501.6	2522.5	2543.4	2522.5
25°	2301.2	2327.9	2354.7	2374.1	2391.1	2420.9	2463.4	2503.2	2534.7	2566.3	2534.7
27.5°	2232.3	2258.8	2285.3	2318.7	2354.4	2396.2	2444.1	2486.2	2511.2	2536.3	2511.2
30°	2186.4	2211.9	2237.4	2275.7	2318.2	2364.4	2414.2	2457.3	2480.4	2503.5	2480.4
32.5°	2129.6	2156.1	2182.5	2223.2	2268.7	2318.2	2371.9	2417.5	2438.6	2459.7	2438.6
35°	2038.8	2064.3	2089.9	2137.2	2191.9	2247.2	2303.0	2348.0	2360.1	2372.3	2360.1
37.5°	1934.4	1963.3	1992.3	2045.4	2106.6	2152.9	2184.2	2207.9	2208.7	2209.4	2208.7
40°	1855.7	1893.4	1931.0	1984.2	2042.5	2074.7	2080.7	2081.4	2065.6	2049.8	2065.6
42.5°	1779.2	1827.5	1875.9	1918.6	1959.4	1967.8	1943.7	1908.1	1837.9	1767.7	1837.9
45°	1661.7	1718.8	1775.9	1802.0	1817.8	1764.3	1641.6	1537.5	1488.9	1440.3	1488.9
47.5°	1536.5	1592.9	1649.2	1642.0	1613.6	1532.7	1399.3	1290.9	1257.4	1223.9	1257.4
50°	1451.2	1504.7	1558.1	1519.6	1450.3	1359.2	1246.3	1153.6	1122.1	1090.5	1122.1
52.5°	1355.0	1402.7	1450.3	1392.0	1298.5	1202.5	1104.1	1018.3	970.2	922.1	970.2
55°	1205.3	1238.1	1270.9	1207.1	1111.1	1005.5	890.1	792.0	745.8	699.7	745.8
57.5°	1024.9	1048.0	1071.0	1020.9	946.3	841.2	705.7	591.1	539.3	487.6	539.3
60°	904.6	922.9	941.1	895.5	828.7	728.5	594.9	488.3	462.8	437.3	462.8
62.5°	795.3	811.6	827.9	780.4	711.6	622.1	511.8	426.8	417.8	408.9	417.8
65°	645.0	660.8	676.6	626.8	555.1	485.3	417.2	365.9	364.7	363.5	364.7
67.5°	513.3	530.5	547.8	500.9	432.6	381.0	346.0	319.4	317.9	316.5	317.9
70°	434.6	452.8	471.0	427.3	362.9	321.0	301.5	286.4	283.9	281.5	283.9
72.5°	369.0	386.2	403.5	365.3	308.7	274.1	261.5	251.6	250.2	248.7	250.2
75°	278.8	292.1	305.5	277.9	236.6	212.9	206.8	201.9	200.7	199.5	200.7
77.5°	202.2	210.7	219.2	201.2	174.2	159.1	156.0	153.3	152.1	150.9	152.1
80°	158.5	162.2	165.8	153.0	134.8	125.1	123.9	122.7	121.5	120.3	121.5
82.5°	119.2	117.9	116.7	109.3	99.8	94.5	93.3	91.8	89.6	87.5	89.6
85°	62.9	60.4	58.0	55.6	53.1	49.5	44.6	40.1	36.4	32.8	36.4
87.5°	20.4	21.3	22.4	19.7	15.5	12.8	11.8	11.3	11.5	11.5	11.5
90°	3.4	7.9	13.6	18.1	21.5	22.6	22.6	23.7	24.9	24.9	24.9
92.5°	12.4	19.7	19.9	19.9	24.2	26.2	28.0	28.3	29.4	29.4	29.4
95°	35.0	38.4	57.7	56.5	38.4	30.5	26.0	26.0	26.0	26.0	26.0
97.5°	66.9	71.9	75.1	100.6	106.3	102.6	83.7	70.3	62.9	59.5	62.9
100°	95.0	97.2	104.0	105.1	133.4	160.5	147.0	130.0	124.4	121.0	124.4
102.5°	123.0	124.4	134.8	139.5	146.1	161.4	208.5	203.3	199.4	198.7	199.4
105°	165.1	166.2	185.4	194.4	199.0	199.0	197.8	220.4	256.6	264.5	256.6
107.5°	210.0	215.2	237.9	262.0	267.2	268.6	262.7	259.3	258.0	258.9	258.0
110°	240.8	248.7	275.8	306.4	314.3	316.5	314.3	310.9	308.6	308.6	308.6



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	270.6	282.2	312.9	348.0	361.3	368.1	363.1	360.6	358.4	360.2	358.4
115°	316.5	333.5	374.2	410.4	437.5	440.9	439.8	439.8	438.6	438.6	438.6
117.5°	359.0	386.2	431.8	473.9	505.3	514.4	518.9	517.5	516.2	518.4	516.2
120°	388.9	420.5	472.5	520.0	550.6	564.1	568.6	566.4	568.6	566.4	568.6
122.5°	420.5	459.4	510.5	559.8	595.8	611.1	616.6	617.0	617.5	616.1	617.5
125°	468.0	515.5	575.4	626.3	663.6	681.7	686.2	687.3	689.6	695.3	689.6
127.5°	516.0	569.8	635.6	684.6	722.8	744.8	751.8	754.3	759.0	761.5	759.0
130°	549.4	610.5	677.2	723.5	760.8	784.6	797.0	800.4	806.0	804.9	806.0
132.5°	584.7	648.5	716.1	764.2	798.8	824.4	835.0	844.7	846.7	848.3	846.7
135°	636.5	705.4	773.3	820.7	853.5	878.4	892.0	901.0	906.7	910.0	906.7
137.5°	691.0	763.8	828.9	871.2	904.2	925.7	941.0	950.5	956.4	959.1	956.4
140°	728.0	798.1	861.4	905.5	934.9	956.4	970.0	981.3	988.1	988.1	988.1
142.5°	763.3	832.5	894.0	938.1	963.9	983.5	998.0	1006.6	1014.3	1014.3	1014.3
145°	812.8	881.8	938.3	982.4	1003.9	1022.0	1037.8	1044.6	1049.1	1049.1	1049.1
147.5°	864.6	925.7	977.2	1019.5	1037.6	1058.8	1071.3	1076.7	1082.3	1079.9	1082.3
150°	895.4	951.9	1001.6	1041.2	1059.3	1079.6	1092.1	1096.6	1102.2	1098.8	1102.2
152.5°	925.2	979.0	1024.2	1061.1	1076.5	1096.8	1111.1	1115.6	1119.4	1116.9	1119.4
155°	965.4	1012.9	1054.8	1088.7	1102.2	1121.5	1135.0	1140.7	1145.2	1139.5	1145.2
157.5°	1001.4	1042.3	1078.7	1109.9	1124.4	1140.9	1153.6	1160.6	1165.1	1162.6	1165.1
160°	1023.1	1060.4	1093.2	1122.6	1136.1	1150.8	1164.4	1172.3	1176.8	1173.5	1176.8
162.5°	1041.2	1074.9	1105.9	1132.5	1144.3	1157.2	1173.5	1180.5	1185.0	1180.7	1185.0
165°	1067.2	1094.3	1121.5	1144.1	1154.2	1164.4	1181.4	1189.3	1192.7	1188.2	1192.7
167.5°	1086.9	1107.7	1129.6	1149.0	1156.5	1166.4	1183.4	1190.0	1194.3	1188.6	1194.3
170°	1097.7	1115.8	1135.0	1150.8	1156.5	1165.5	1182.5	1188.2	1191.5	1185.9	1191.5
172.5°	1106.8	1120.3	1135.9	1149.9	1152.9	1160.1	1176.2	1181.8	1184.3	1179.6	1184.3
175°	1115.8	1123.7	1135.0	1144.1	1142.9	1147.5	1161.0	1165.5	1170.1	1163.3	1170.1
177.5°	1120.1	1123.7	1127.3	1132.8	1129.1	1129.1	1139.1	1141.8	1142.7	1139.1	1142.7
180°	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4
2.5°	2583.7	2581.8	2579.9	2584.2	2594.9	2598.8	2582.3	2565.8	2582.3	2598.8	2594.9
5°	2584.8	2580.9	2578.5	2582.7	2593.6	2596.7	2576.0	2555.4	2576.0	2596.7	2593.6
7.5°	2581.0	2575.2	2571.1	2574.4	2585.1	2587.8	2566.7	2545.5	2566.7	2587.8	2585.1
10°	2573.9	2567.2	2561.2	2563.0	2572.7	2575.4	2557.2	2539.0	2557.2	2575.4	2572.7
12.5°	2558.4	2550.5	2542.4	2542.8	2551.6	2553.8	2536.6	2519.3	2536.6	2553.8	2551.6
15°	2535.0	2525.3	2514.4	2511.4	2516.2	2515.9	2500.1	2484.3	2500.1	2515.9	2516.2
17.5°	2515.4	2502.2	2486.6	2479.1	2479.6	2475.2	2456.0	2436.8	2456.0	2475.2	2479.6
20°	2503.8	2486.1	2466.7	2455.8	2453.4	2445.8	2422.7	2399.6	2422.7	2445.8	2453.4
22.5°	2501.6	2474.5	2445.3	2428.6	2424.2	2414.2	2387.2	2360.2	2387.2	2414.2	2424.2
25°	2503.2	2463.4	2420.9	2391.1	2374.1	2354.7	2327.9	2301.2	2327.9	2354.7	2374.1
27.5°	2486.2	2444.1	2396.2	2354.4	2318.7	2285.3	2258.8	2232.3	2258.8	2285.3	2318.7
30°	2457.3	2414.2	2364.4	2318.2	2275.7	2237.4	2211.9	2186.4	2211.9	2237.4	2275.7
32.5°	2417.5	2371.9	2318.2	2268.7	2223.2	2182.5	2156.1	2129.6	2156.1	2182.5	2223.2
35°	2348.0	2303.0	2247.2	2191.9	2137.2	2089.9	2064.3	2038.8	2064.3	2089.9	2137.2
37.5°	2207.9	2184.2	2152.9	2106.6	2045.4	1992.3	1963.3	1934.4	1963.3	1992.3	2045.4
40°	2081.4	2080.7	2074.7	2042.5	1984.2	1931.0	1893.4	1855.7	1893.4	1931.0	1984.2
42.5°	1908.1	1943.7	1967.8	1959.4	1918.6	1875.9	1827.5	1779.2	1827.5	1875.9	1918.6
45°	1537.5	1641.6	1764.3	1817.8	1802.0	1775.9	1718.8	1661.7	1718.8	1775.9	1802.0
47.5°	1290.9	1399.3	1532.7	1613.6	1642.0	1649.2	1592.9	1536.5	1592.9	1649.2	1642.0
50°	1153.6	1246.3	1359.2	1450.3	1519.6	1558.1	1504.7	1451.2	1504.7	1558.1	1519.6
52.5°	1018.3	1104.1	1202.5	1298.5	1392.0	1450.3	1402.7	1355.0	1402.7	1450.3	1392.0
55°	792.0	890.1	1005.5	1111.1	1207.1	1270.9	1238.1	1205.3	1238.1	1270.9	1207.1
57.5°	591.1	705.7	841.2	946.3	1020.9	1071.0	1048.0	1024.9	1048.0	1071.0	1020.9
60°	488.3	594.9	728.5	828.7	895.5	941.1	922.9	904.6	922.9	941.1	895.5
62.5°	426.8	511.8	622.1	711.6	780.4	827.9	811.6	795.3	811.6	827.9	780.4
65°	365.9	417.2	485.3	555.1	626.8	676.6	660.8	645.0	660.8	676.6	626.8
67.5°	319.4	346.0	381.0	432.6	500.9	547.8	530.5	513.3	530.5	547.8	500.9
70°	286.4	301.5	321.0	362.9	427.3	471.0	452.8	434.6	452.8	471.0	427.3
72.5°	251.6	261.5	274.1	308.7	365.3	403.5	386.2	369.0	386.2	403.5	365.3
75°	201.9	206.8	212.9	236.6	277.9	305.5	292.1	278.8	292.1	305.5	277.9
77.5°	153.3	156.0	159.1	174.2	201.2	219.2	210.7	202.2	210.7	219.2	201.2
80°	122.7	123.9	125.1	134.8	153.0	165.8	162.2	158.5	162.2	165.8	153.0
82.5°	91.8	93.3	94.5	99.8	109.3	116.7	117.9	119.2	117.9	116.7	109.3
85°	40.1	44.6	49.5	53.1	55.6	58.0	60.4	62.9	60.4	58.0	55.6
87.5°	11.3	11.8	12.8	15.5	19.7	22.4	21.3	20.4	21.3	22.2	20.1
90°	23.7	22.6	22.6	21.5	18.1	13.6	7.9	3.4	7.9	12.4	20.3
92.5°	28.3	28.0	26.2	24.2	19.9	19.9	19.7	12.4	21.5	30.5	43.9
95°	26.0	26.0	30.5	38.4	56.5	57.7	38.4	35.0	49.7	70.1	88.2
97.5°	70.3	83.7	102.6	106.3	100.6	75.1	71.9	66.9	91.1	111.2	140.4
100°	130.0	147.0	160.5	133.4	105.1	104.0	97.2	95.0	121.0	140.2	168.4
102.5°	203.3	208.5	161.4	146.1	139.5	134.8	124.4	123.0	149.0	175.5	199.2
105°	220.4	197.8	199.0	199.0	194.4	185.4	166.2	165.1	194.4	225.0	254.4
107.5°	259.3	262.7	268.6	267.2	262.0	237.9	215.2	210.0	236.5	273.1	305.5
110°	310.9	314.3	316.5	314.3	306.4	275.8	248.7	240.8	264.5	303.0	338.0



TEST NUMBER: P1428078

CATALOG NUMBER: SQ2W-PP3-K-075U-125D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	360.6	363.1	368.1	361.3	348.0	312.9	282.2	270.6	294.4	333.7	369.7
115°	439.8	439.8	440.9	437.5	410.4	374.2	333.5	316.5	336.9	373.1	412.6
117.5°	517.5	518.9	514.4	505.3	473.9	431.8	386.2	359.0	375.1	413.3	454.0
120°	566.4	568.6	564.1	550.6	520.0	472.5	420.5	388.9	401.3	438.6	479.3
122.5°	617.0	616.6	611.1	595.8	559.8	510.5	459.4	420.5	425.7	460.3	500.1
125°	687.3	686.2	681.7	663.6	626.3	575.4	515.5	468.0	461.2	490.6	531.3
127.5°	754.3	751.8	744.8	722.8	684.6	635.6	569.8	516.0	500.8	519.4	556.7
130°	800.4	797.0	784.6	760.8	723.5	677.2	610.5	549.4	527.9	539.2	572.0
132.5°	844.7	835.0	824.4	798.8	764.2	716.1	648.5	584.7	555.1	560.0	585.6
135°	901.0	892.0	878.4	853.5	820.7	773.3	705.4	636.5	595.8	591.2	605.9
137.5°	950.5	941.0	925.7	904.2	871.2	828.9	763.8	691.0	639.6	624.5	630.1
140°	981.3	970.0	956.4	934.9	905.5	861.4	798.1	728.0	670.4	648.9	645.5
142.5°	1006.6	998.0	983.5	963.9	938.1	894.0	832.5	763.3	702.0	674.2	666.3
145°	1044.6	1037.8	1022.0	1003.9	982.4	938.3	881.8	812.8	751.8	715.6	698.6
147.5°	1076.7	1071.3	1058.8	1037.6	1019.5	977.2	925.7	864.6	802.0	757.2	735.3
150°	1096.6	1092.1	1079.6	1059.3	1041.2	1001.6	951.9	895.4	835.4	788.0	759.7
152.5°	1115.6	1111.1	1096.8	1076.5	1061.1	1024.2	979.0	925.2	864.4	816.9	787.7
155°	1140.7	1135.0	1121.5	1102.2	1088.7	1054.8	1012.9	965.4	913.4	863.7	830.9
157.5°	1160.6	1153.6	1140.9	1124.4	1109.9	1078.7	1042.3	1001.4	955.9	908.5	875.0
160°	1172.3	1164.4	1150.8	1136.1	1122.6	1093.2	1060.4	1023.1	981.3	938.3	902.1
162.5°	1180.5	1173.5	1157.2	1144.3	1132.5	1105.9	1074.9	1041.2	1003.9	966.3	932.9
165°	1189.3	1181.4	1164.4	1154.2	1144.1	1121.5	1094.3	1067.2	1035.5	1005.0	977.9
167.5°	1190.0	1183.4	1166.4	1156.5	1149.0	1129.6	1107.7	1086.9	1062.2	1038.2	1015.6
170°	1188.2	1182.5	1165.5	1156.5	1150.8	1135.0	1115.8	1097.7	1078.5	1058.1	1040.1
172.5°	1181.8	1176.2	1160.1	1152.9	1149.9	1135.9	1120.3	1106.8	1090.3	1075.3	1060.9
175°	1165.5	1161.0	1147.5	1142.9	1144.1	1135.0	1123.7	1115.8	1105.6	1096.6	1088.7
177.5°	1141.8	1139.1	1129.1	1129.1	1132.8	1127.3	1123.7	1120.1	1115.6	1112.9	1110.1
180°	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2



TEST NUMBER: P1428078

CATALOG NUMBER: SQ2W-PP3-K-075U-125D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4
2.5°	2584.2	2579.9	2581.8	2583.7	2585.7	2587.6	2585.7	2583.7	2581.8	2579.9	2584.2
5°	2582.7	2578.5	2580.9	2584.8	2593.3	2601.8	2593.3	2584.8	2580.9	2578.5	2582.7
7.5°	2574.4	2571.1	2575.2	2581.0	2591.4	2601.8	2591.4	2581.0	2575.2	2571.1	2574.4
10°	2563.0	2561.2	2567.2	2573.9	2582.4	2590.9	2582.4	2573.9	2567.2	2561.2	2563.0
12.5°	2542.8	2542.4	2550.5	2558.4	2565.9	2573.4	2565.9	2558.4	2550.5	2542.4	2542.8
15°	2511.4	2514.4	2525.3	2535.0	2541.1	2547.2	2541.1	2535.0	2525.3	2514.4	2511.4
17.5°	2479.1	2486.6	2502.2	2515.4	2521.7	2528.1	2521.7	2515.4	2502.2	2486.6	2479.1
20°	2455.8	2466.7	2486.1	2503.8	2515.9	2528.1	2515.9	2503.8	2486.1	2466.7	2455.8
22.5°	2428.6	2445.3	2474.5	2501.6	2522.5	2543.4	2522.5	2501.6	2474.5	2445.3	2428.6
25°	2391.1	2420.9	2463.4	2503.2	2534.7	2566.3	2534.7	2503.2	2463.4	2420.9	2391.1
27.5°	2354.4	2396.2	2444.1	2486.2	2511.2	2536.3	2511.2	2486.2	2444.1	2396.2	2354.4
30°	2318.2	2364.4	2414.2	2457.3	2480.4	2503.5	2480.4	2457.3	2414.2	2364.4	2318.2
32.5°	2268.7	2318.2	2371.9	2417.5	2438.6	2459.7	2438.6	2417.5	2371.9	2318.2	2268.7
35°	2191.9	2247.2	2303.0	2348.0	2360.1	2372.3	2360.1	2348.0	2303.0	2247.2	2191.9
37.5°	2106.6	2152.9	2184.2	2207.9	2208.7	2209.4	2208.7	2207.9	2184.2	2152.9	2106.6
40°	2042.5	2074.7	2080.7	2081.4	2065.6	2049.8	2065.6	2081.4	2080.7	2074.7	2042.5
42.5°	1959.4	1967.8	1943.7	1908.1	1837.9	1767.7	1837.9	1908.1	1943.7	1967.8	1959.4
45°	1817.8	1764.3	1641.6	1537.5	1488.9	1440.3	1488.9	1537.5	1641.6	1764.3	1817.8
47.5°	1613.6	1532.7	1399.3	1290.9	1257.4	1223.9	1257.4	1290.9	1399.3	1532.7	1613.6
50°	1450.3	1359.2	1246.3	1153.6	1122.1	1090.5	1122.1	1153.6	1246.3	1359.2	1450.3
52.5°	1298.5	1202.5	1104.1	1018.3	970.2	922.1	970.2	1018.3	1104.1	1202.5	1298.5
55°	1111.1	1005.5	890.1	792.0	745.8	699.7	745.8	890.1	1005.5	1111.1	1111.1
57.5°	946.3	841.2	705.7	591.1	539.3	487.6	539.3	705.7	841.2	946.3	946.3
60°	828.7	728.5	594.9	488.3	462.8	437.3	462.8	594.9	728.5	828.7	828.7
62.5°	711.6	622.1	511.8	426.8	417.8	408.9	417.8	511.8	622.1	711.6	711.6
65°	555.1	485.3	417.2	365.9	364.7	363.5	364.7	417.2	485.3	555.1	555.1
67.5°	432.6	381.0	346.0	319.4	317.9	316.5	317.9	346.0	381.0	432.6	432.6
70°	362.9	321.0	301.5	286.4	283.9	281.5	283.9	301.5	321.0	362.9	362.9
72.5°	308.7	274.1	261.5	251.6	250.2	248.7	250.2	261.5	274.1	308.7	308.7
75°	236.6	212.9	206.8	201.9	200.7	199.5	200.7	206.8	212.9	236.6	236.6
77.5°	174.2	159.1	156.0	153.3	152.1	150.9	152.1	156.0	159.1	174.2	174.2
80°	134.8	125.1	123.9	122.7	121.5	120.3	121.5	123.9	125.1	134.8	134.8
82.5°	99.8	94.5	93.3	91.8	89.6	87.5	89.6	93.3	94.5	99.8	99.8
85°	53.1	49.5	44.6	40.1	36.4	32.8	36.4	44.6	49.5	53.1	53.1
87.5°	16.4	15.0	15.7	15.8	16.7	16.3	16.7	15.7	15.0	16.4	16.4
90°	26.0	33.9	41.8	46.4	50.9	48.6	50.9	41.8	33.9	26.0	26.0
92.5°	52.2	65.6	75.3	83.4	87.0	86.6	87.0	75.3	65.6	52.2	52.2
95°	105.1	121.0	136.8	148.1	154.9	152.6	154.9	136.8	121.0	105.1	105.1
97.5°	162.1	183.4	201.0	211.6	218.4	222.9	218.4	201.0	183.4	162.1	162.1
100°	200.1	220.4	240.8	253.2	264.5	269.1	264.5	240.8	220.4	200.1	200.1
102.5°	230.8	257.5	279.7	293.0	302.5	307.0	302.5	279.7	257.5	230.8	230.8
105°	281.5	309.8	333.5	350.5	360.6	364.0	360.6	309.8	333.5	281.5	281.5
107.5°	332.1	361.3	383.2	402.0	414.4	421.7	414.4	361.3	383.2	332.1	332.1
110°	371.9	395.7	419.4	436.4	448.8	453.3	448.8	419.4	395.7	371.9	371.9



TEST NUMBER: P1428078

CATALOG NUMBER: SQ2W-PP3-K-075U-125D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	405.4	431.8	455.6	472.5	486.8	493.1	486.8	472.5	455.6	431.8	405.4
115°	452.2	487.2	508.7	524.6	534.7	540.4	534.7	524.6	508.7	487.2	452.2
117.5°	491.1	527.7	551.2	563.4	568.2	572.3	568.2	563.4	551.2	527.7	491.1
120°	515.5	549.4	576.6	592.4	598.0	600.3	598.0	592.4	576.6	549.4	515.5
122.5°	538.1	570.2	596.5	615.9	625.2	627.4	625.2	615.9	596.5	570.2	538.1
125°	569.8	600.3	627.4	646.6	656.8	662.5	656.8	646.6	627.4	600.3	569.8
127.5°	597.4	630.4	655.2	672.6	682.6	687.1	682.6	672.6	655.2	630.4	597.4
130°	612.7	646.6	671.5	690.7	699.8	704.3	699.8	690.7	671.5	646.6	612.7
132.5°	624.5	660.2	686.0	703.4	713.3	717.9	713.3	703.4	686.0	660.2	624.5
135°	638.7	676.0	703.2	720.1	729.2	733.7	729.2	720.1	703.2	676.0	638.7
137.5°	651.2	685.1	713.3	731.2	739.3	742.3	739.3	731.2	713.3	685.1	651.2
140°	660.2	689.6	717.9	734.8	743.9	745.0	743.9	734.8	717.9	689.6	660.2
142.5°	672.0	695.0	719.7	736.6	745.7	747.7	745.7	736.6	719.7	695.0	672.0
145°	693.0	706.6	723.5	739.3	747.3	749.5	747.3	739.3	723.5	706.6	693.0
147.5°	719.4	723.7	732.6	743.0	750.6	752.2	750.6	743.0	732.6	723.7	719.4
150°	739.3	738.2	741.6	748.4	755.2	754.0	755.2	748.4	741.6	738.2	739.3
152.5°	762.0	755.4	755.2	758.3	761.5	761.3	761.5	758.3	755.2	755.4	762.0
155°	800.4	788.0	781.2	778.9	778.9	777.8	778.9	778.9	781.2	788.0	800.4
157.5°	842.7	825.3	815.1	809.7	808.1	805.6	808.1	809.7	815.1	825.3	842.7
160°	871.6	852.4	842.2	833.2	829.8	826.4	829.8	833.2	842.2	852.4	871.6
162.5°	898.7	880.4	869.4	861.2	857.8	852.6	857.8	861.2	869.4	880.4	898.7
165°	942.8	923.6	911.2	904.4	899.9	895.4	899.9	904.4	911.2	923.6	942.8
167.5°	986.9	965.9	957.8	950.1	945.8	937.6	945.8	950.1	957.8	965.9	986.9
170°	1014.1	994.8	990.3	983.5	975.6	966.6	975.6	983.5	990.3	994.8	1014.1
172.5°	1037.6	1024.7	1020.2	1013.4	1010.9	1003.7	1010.9	1013.4	1020.2	1024.7	1037.6
175°	1071.7	1061.5	1061.5	1060.4	1057.0	1050.2	1057.0	1060.4	1061.5	1061.5	1071.7
177.5°	1100.2	1094.8	1098.4	1098.4	1097.5	1091.2	1097.5	1098.4	1098.4	1094.8	1100.2
180°	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2



TEST NUMBER: P1428078

CATALOG NUMBER: SQ2W-PP3-K-075U-125D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	2585.4	2585.4	2585.4	2585.4
2.5°	2594.9	2598.8	2582.3	2565.8
5°	2593.6	2596.7	2576.0	2555.4
7.5°	2585.1	2587.8	2566.7	2545.5
10°	2572.7	2575.4	2557.2	2539.0
12.5°	2551.6	2553.8	2536.6	2519.3
15°	2516.2	2515.9	2500.1	2484.3
17.5°	2479.6	2475.2	2456.0	2436.8
20°	2453.4	2445.8	2422.7	2399.6
22.5°	2424.2	2414.2	2387.2	2360.2
25°	2374.1	2354.7	2327.9	2301.2
27.5°	2318.7	2285.3	2258.8	2232.3
30°	2275.7	2237.4	2211.9	2186.4
32.5°	2223.2	2182.5	2156.1	2129.6
35°	2137.2	2089.9	2064.3	2038.8
37.5°	2045.4	1992.3	1963.3	1934.4
40°	1984.2	1931.0	1893.4	1855.7
42.5°	1918.6	1875.9	1827.5	1779.2
45°	1802.0	1775.9	1718.8	1661.7
47.5°	1642.0	1649.2	1592.9	1536.5
50°	1519.6	1558.1	1504.7	1451.2
52.5°	1392.0	1450.3	1402.7	1355.0
55°	1207.1	1270.9	1238.1	1205.3
57.5°	1020.9	1071.0	1048.0	1024.9
60°	895.5	941.1	922.9	904.6
62.5°	780.4	827.9	811.6	795.3
65°	626.8	676.6	660.8	645.0
67.5°	500.9	547.8	530.5	513.3
70°	427.3	471.0	452.8	434.6
72.5°	365.3	403.5	386.2	369.0
75°	277.9	305.5	292.1	278.8
77.5°	201.2	219.2	210.7	202.2
80°	153.0	165.8	162.2	158.5
82.5°	109.3	116.7	117.9	119.2
85°	55.6	58.0	60.4	62.9
87.5°	20.1	22.2	21.3	20.4
90°	20.3	12.4	7.9	3.4
92.5°	43.9	30.5	21.5	12.4
95°	88.2	70.1	49.7	35.0
97.5°	140.4	111.2	91.1	66.9
100°	168.4	140.2	121.0	95.0
102.5°	199.2	175.5	149.0	123.0
105°	254.4	225.0	194.4	165.1
107.5°	305.5	273.1	236.5	210.0
110°	338.0	303.0	264.5	240.8



TEST NUMBER: P1428078

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**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	369.7	333.7	294.4	270.6
115°	412.6	373.1	336.9	316.5
117.5°	454.0	413.3	375.1	359.0
120°	479.3	438.6	401.3	388.9
122.5°	500.1	460.3	425.7	420.5
125°	531.3	490.6	461.2	468.0
127.5°	556.7	519.4	500.8	516.0
130°	572.0	539.2	527.9	549.4
132.5°	585.6	560.0	555.1	584.7
135°	605.9	591.2	595.8	636.5
137.5°	630.1	624.5	639.6	691.0
140°	645.5	648.9	670.4	728.0
142.5°	666.3	674.2	702.0	763.3
145°	698.6	715.6	751.8	812.8
147.5°	735.3	757.2	802.0	864.6
150°	759.7	788.0	835.4	895.4
152.5°	787.7	816.9	864.4	925.2
155°	830.9	863.7	913.4	965.4
157.5°	875.0	908.5	955.9	1001.4
160°	902.1	938.3	981.3	1023.1
162.5°	932.9	966.3	1003.9	1041.2
165°	977.9	1005.0	1035.5	1067.2
167.5°	1015.6	1038.2	1062.2	1086.9
170°	1040.1	1058.1	1078.5	1097.7
172.5°	1060.9	1075.3	1090.3	1106.8
175°	1088.7	1096.6	1105.6	1115.8
177.5°	1110.1	1112.9	1115.6	1120.1
180°	1119.2	1119.2	1119.2	1119.2



TEST NUMBER: P1428078  
 CATALOG NUMBER: SQ2W-PP3-K-075U-125D-L835-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	21.84	22.83	22.65	23.66	24.67	17.61	18.60	18.42	19.43	20.44
	3H	22.91	23.80	23.74	24.63	25.68	18.93	19.82	19.76	20.65	21.70
	4H	23.29	24.12	24.13	24.96	26.02	19.50	20.33	20.34	21.17	22.23
	6H	23.49	24.25	24.34	25.10	26.17	19.87	20.63	20.72	21.48	22.55
	8H	23.56	24.28	24.41	25.15	26.22	20.00	20.73	20.86	21.60	22.66
	12H	23.58	24.27	24.44	25.13	26.23	20.04	20.73	20.90	21.59	22.69
4H	2H	21.98	22.81	22.82	23.65	24.71	18.54	19.37	19.38	20.21	21.27
	3H	23.29	23.97	24.14	24.85	25.92	19.98	20.66	20.83	21.54	22.61
	4H	23.80	24.42	24.67	25.30	26.39	20.60	21.23	21.47	22.10	23.20
	6H	24.12	24.66	25.00	25.55	26.66	21.05	21.59	21.94	22.49	23.59
	8H	24.23	24.73	25.12	25.63	26.74	21.23	21.73	22.11	22.62	23.73
	12H	24.28	24.73	25.19	25.64	26.76	21.28	21.73	22.19	22.64	23.76
8H	4H	23.83	24.33	24.71	25.22	26.33	20.92	21.42	21.81	22.31	23.43
	6H	24.24	24.66	25.16	25.59	26.71	21.48	21.90	22.40	22.83	23.95
	8H	24.42	24.79	25.35	25.72	26.85	21.73	22.10	22.65	23.03	24.16
	12H	24.53	24.85	25.45	25.77	26.95	21.84	22.16	22.76	23.08	24.26
12H	4H	23.79	24.24	24.70	25.15	26.27	20.94	21.39	21.84	22.30	23.42
	6H	24.24	24.60	25.16	25.53	26.66	21.55	21.92	22.47	22.84	23.98
	8H	24.44	24.76	25.36	25.68	26.86	21.83	22.16	22.75	23.07	24.26