

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: P1428245

Luminaire Tested: SQ2W-PR1-K-075U-125D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428245
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PR1-K-075U-125D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

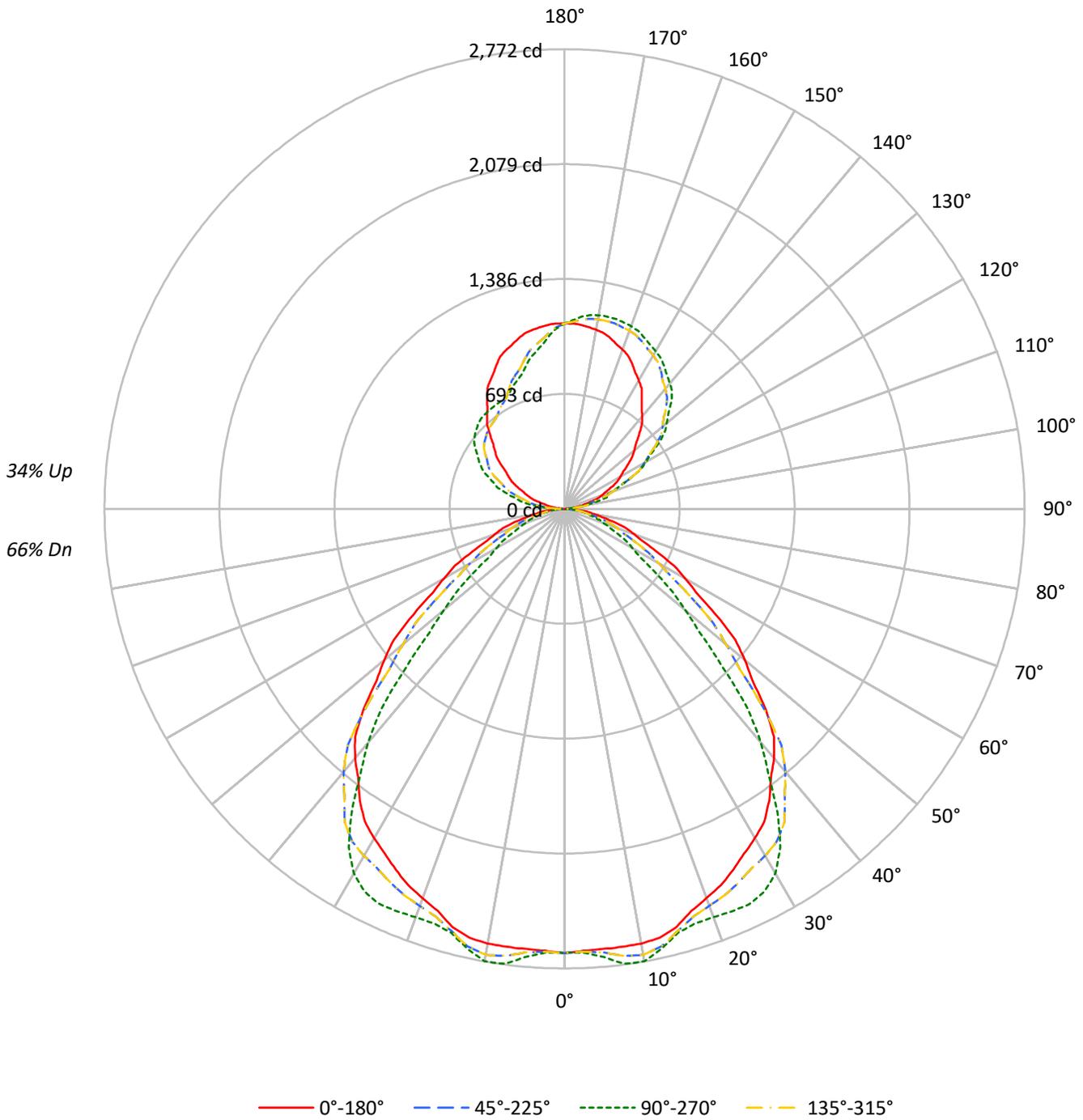
Lumens per Lamp: N/A
Luminaire Lumens: 9713.9 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 72.8
Input Voltage (V): 120
Input Current (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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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	105	105	105	105	92	92	92	81	81	81	71	71	71	66				
1	102	98	95	91	96	93	89	87	82	80	78	73	71	70	64	63	62	58				
2	94	87	81	76	88	82	77	72	73	69	66	65	62	59	58	55	53	50				
3	86	77	70	64	81	73	67	61	65	60	56	58	54	51	52	49	46	43				
4	79	69	61	55	74	65	58	53	58	53	49	52	48	44	47	43	40	37				
5	73	62	54	48	69	59	51	46	53	47	42	47	43	39	42	39	36	33				
6	67	56	48	42	63	53	46	40	48	42	37	43	38	35	39	35	32	29				
7	63	50	42	37	59	48	41	36	44	38	33	39	34	31	35	31	28	26				
8	58	46	38	33	55	44	37	32	40	34	30	36	31	28	33	29	26	23				
9	54	42	35	30	51	40	33	29	37	31	27	33	28	25	30	26	23	21				
10	51	39	32	27	48	37	30	26	34	28	24	31	26	23	28	24	21	19				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	43249	43249	43249	43249
5°	43192	43990	43192	43990
10°	43647	45438	43647	45438
15°	43633	44226	43633	44226
20°	42929	45038	42929	45038
25°	42807	46893	42807	46893
30°	42762	47343	42762	47343
35°	42357	44078	42357	44078
40°	41380	38789	41380	38789
45°	39154	30674	39154	30674
50°	35597	23799	35597	23799
55°	31282	18525	31282	18525
60°	27070	15254	27070	15254
65°	23365	13352	23365	13352
70°	21012	11858	21012	11858
75°	19251	10904	19251	10904
80°	16755	10665	16755	10665
85°	12134	5057	12134	5057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 42036 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.7	2.7
10°-20°	748.9	7.7
20°-30°	1157.6	11.9
30°-40°	1392.1	14.3
40°-50°	1250.1	12.9
50°-60°	837.6	8.6
60°-70°	487.3	5.0
70°-80°	250.3	2.6
80°-90°	66.4	0.7
90°-100°	89.0	0.9
100°-110°	259.5	2.7
110°-120°	423.5	4.4
120°-130°	537.4	5.5
130°-140°	575.1	5.9
140°-150°	537.0	5.5
150°-160°	441.9	4.5
160°-170°	296.3	3.1
170°-180°	105.2	1.1
0°-30°	2165.2	22.3
0°-40°	3557.3	36.6
0°-60°	5645.1	58.1
0°-90°	6449.0	66.4
90°-120°	772.0	7.9
90°-150°	2421.5	24.9
90°-180°	3265.0	33.6
0°-180°	9713.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2679	2679	2679	2679	2679	
5°	2665	2714	2665	2714	2665	254
15°	2610	2646	2610	2646	2610	733
25°	2403	2632	2403	2632	2403	1108
35°	2149	2236	2149	2236	2149	1340
45°	1715	1343	1715	1343	1715	1312
55°	1111	658	1111	658	1111	999
65°	612	350	612	350	612	619
75°	309	175	309	175	309	327
85°	66	27	66	27	66	81
90°	3	25	3	49	3	5
95°	35	26	35	152	35	42
105°	165	264	165	364	165	175
115°	316	438	316	540	316	312
125°	468	695	468	662	468	418
135°	636	909	636	733	636	491
145°	812	1048	812	749	812	508
155°	965	1138	965	777	965	443
165°	1066	1187	1066	894	1066	300
175°	1115	1162	1115	1049	1115	106
180°	1118	1118	1118	1118	1118	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7
2.5°	2667.8	2682.3	2696.9	2690.3	2676.7	2670.4	2671.4	2672.9	2675.8	2678.7	2675.8
5°	2665.0	2685.7	2706.3	2701.4	2688.1	2682.6	2685.1	2689.9	2702.0	2714.2	2702.0
7.5°	2664.5	2693.9	2723.2	2725.5	2718.7	2718.8	2725.8	2735.1	2751.1	2767.2	2751.1
10°	2662.3	2697.5	2732.7	2737.8	2733.0	2731.2	2732.4	2737.5	2754.5	2771.5	2754.5
12.5°	2649.2	2690.2	2731.2	2726.9	2707.5	2697.0	2695.3	2696.3	2705.5	2714.7	2705.5
15°	2610.4	2659.0	2707.5	2687.8	2645.3	2625.9	2629.5	2633.8	2639.9	2645.9	2639.9
17.5°	2542.2	2592.9	2643.6	2625.9	2585.4	2571.6	2584.8	2597.6	2609.5	2621.3	2609.5
20°	2498.5	2548.2	2598.0	2585.8	2553.1	2545.2	2562.2	2580.1	2600.7	2621.3	2600.7
22.5°	2459.1	2508.9	2558.7	2550.9	2524.0	2522.4	2546.2	2571.1	2599.5	2627.9	2599.5
25°	2402.9	2446.6	2490.3	2491.2	2477.8	2491.2	2531.2	2569.2	2600.7	2632.3	2600.7
27.5°	2343.9	2369.6	2395.4	2412.4	2426.4	2460.5	2514.7	2560.8	2582.9	2605.0	2582.9
30°	2293.7	2310.7	2327.7	2359.2	2395.6	2437.5	2484.8	2522.4	2530.9	2539.4	2530.9
32.5°	2239.1	2249.3	2259.5	2303.9	2359.7	2400.1	2425.1	2441.1	2430.2	2419.3	2430.2
35°	2149.0	2157.5	2165.9	2222.7	2295.5	2322.2	2302.8	2282.5	2259.4	2236.3	2259.4
37.5°	2041.9	2059.4	2076.9	2123.1	2178.9	2178.4	2121.7	2072.4	2046.0	2019.5	2046.0
40°	1963.3	1992.4	2021.5	2052.5	2084.0	2057.3	1972.4	1901.1	1870.7	1840.4	1870.7
42.5°	1867.2	1913.8	1960.4	1967.3	1961.0	1903.7	1795.4	1705.0	1667.8	1630.7	1667.8
45°	1714.8	1777.9	1841.0	1804.9	1735.7	1642.3	1524.6	1426.0	1384.7	1343.4	1384.7
47.5°	1535.1	1599.9	1664.7	1596.7	1484.3	1375.5	1270.4	1182.0	1143.4	1104.8	1143.4
50°	1417.2	1469.3	1521.5	1444.5	1324.3	1215.1	1116.8	1032.5	990.0	947.5	990.0
52.5°	1297.0	1334.6	1372.3	1295.9	1181.6	1075.3	977.0	893.6	855.0	816.4	855.0
55°	1111.3	1130.8	1150.2	1079.5	978.8	881.7	788.2	711.5	684.8	658.1	684.8
57.5°	941.0	953.3	965.7	898.7	805.3	718.9	639.5	575.1	555.4	535.7	555.4
60°	838.3	846.8	855.3	787.3	693.9	616.2	554.3	503.9	488.2	472.4	488.2
62.5°	744.4	750.9	757.5	691.9	602.4	532.9	483.7	443.7	431.9	420.0	431.9
65°	611.6	617.7	623.8	568.0	491.5	434.5	396.8	366.5	358.0	349.5	358.0
67.5°	506.2	509.4	512.6	466.6	404.2	358.2	328.6	304.4	296.4	288.3	296.4
70°	445.1	446.3	447.5	406.9	352.2	311.6	284.9	263.3	257.3	251.2	257.3
72.5°	390.5	388.8	387.1	350.8	303.0	268.1	246.3	228.9	224.8	220.6	224.8
75°	308.6	304.9	301.3	271.2	232.4	205.7	191.1	179.6	177.2	174.8	177.2
77.5°	230.5	226.6	222.7	197.7	165.7	147.2	142.4	138.7	138.7	138.7	138.7
80°	180.2	175.4	170.5	151.1	126.8	114.7	114.7	114.7	114.7	114.7	114.7
82.5°	134.3	127.5	120.8	108.9	95.3	88.5	88.5	88.2	87.3	86.3	87.3
85°	65.5	59.5	53.4	51.9	51.9	48.2	41.0	34.6	30.9	27.3	30.9
87.5°	18.2	19.1	20.2	17.4	13.3	11.1	11.1	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	24.8	24.8	24.8
92.5°	12.4	19.7	19.9	19.9	24.2	26.2	28.0	28.2	29.4	29.4	29.4
95°	35.0	38.4	57.6	56.5	38.4	30.5	26.0	26.0	26.0	26.0	26.0
97.5°	66.9	71.8	75.0	100.5	106.2	102.6	83.6	70.3	62.8	59.4	62.8
100°	94.9	97.1	103.9	105.0	133.3	160.4	146.8	129.9	124.2	120.9	124.2
102.5°	122.9	124.2	134.6	139.4	145.9	161.3	208.3	203.1	199.2	198.6	199.2
105°	164.9	166.0	185.2	194.3	198.8	198.8	197.7	220.2	256.4	264.3	256.4
107.5°	209.9	215.1	237.6	261.8	267.0	268.4	262.5	259.1	257.7	258.7	257.7
110°	240.6	248.5	275.6	306.1	314.0	316.3	314.0	310.6	308.3	308.3	308.3



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	270.4	281.9	312.6	347.7	361.0	367.8	362.8	360.3	358.0	359.9	358.0
115°	316.3	333.2	373.9	410.0	437.1	440.5	439.4	439.4	438.2	438.2	438.2
117.5°	358.7	385.8	431.5	473.5	504.9	513.9	518.4	517.1	515.7	518.0	515.7
120°	388.5	420.2	472.1	519.6	550.1	563.6	568.1	565.9	568.1	565.9	568.1
122.5°	420.2	459.0	510.1	559.3	595.2	610.6	616.0	616.5	616.9	615.6	616.9
125°	467.6	515.0	574.9	625.7	663.0	681.1	685.6	686.7	689.0	694.6	689.0
127.5°	515.5	569.3	635.0	684.0	722.2	744.1	751.1	753.6	758.3	760.8	758.3
130°	548.9	609.9	676.6	722.9	760.1	783.9	796.3	799.7	805.3	804.2	805.3
132.5°	584.2	647.9	715.4	763.5	798.1	823.6	834.2	843.9	846.0	847.6	846.0
135°	635.9	704.8	772.6	820.0	852.8	877.6	891.2	900.2	905.8	909.2	905.8
137.5°	690.3	763.1	828.1	870.4	903.4	924.8	940.2	949.7	955.5	958.2	955.5
140°	727.4	797.4	860.7	904.7	934.1	955.5	969.1	980.4	987.2	987.2	987.2
142.5°	762.6	831.7	893.2	937.2	963.0	982.6	997.1	1005.7	1013.4	1013.4	1013.4
145°	812.1	881.0	937.5	981.5	1003.0	1021.0	1036.9	1043.6	1048.2	1048.2	1048.2
147.5°	863.8	924.8	976.3	1018.6	1036.6	1057.9	1070.3	1075.7	1081.4	1078.9	1081.4
150°	894.5	951.0	1000.7	1040.2	1058.3	1078.7	1091.1	1095.6	1101.2	1097.9	1101.2
152.5°	924.4	978.1	1023.3	1060.1	1075.5	1095.8	1110.1	1114.6	1118.4	1115.9	1118.4
155°	964.6	1012.0	1053.8	1087.7	1101.2	1120.4	1134.0	1139.6	1144.2	1138.5	1144.2
157.5°	1000.5	1041.4	1077.7	1108.9	1123.4	1139.9	1152.5	1159.5	1164.0	1161.6	1164.0
160°	1022.2	1059.4	1092.2	1121.6	1135.1	1149.8	1163.4	1171.3	1175.8	1172.4	1175.8
162.5°	1040.2	1073.9	1104.9	1131.5	1143.3	1156.1	1172.4	1179.4	1183.9	1179.6	1183.9
165°	1066.2	1093.3	1120.4	1143.0	1153.2	1163.4	1180.3	1188.2	1191.6	1187.1	1191.6
167.5°	1085.9	1106.7	1128.6	1148.0	1155.5	1165.4	1182.3	1188.9	1193.2	1187.5	1193.2
170°	1096.7	1114.8	1134.0	1149.8	1155.5	1164.5	1181.4	1187.1	1190.5	1184.8	1190.5
172.5°	1105.8	1119.3	1134.9	1148.9	1151.8	1159.1	1175.1	1180.8	1183.2	1178.5	1183.2
175°	1114.8	1122.7	1134.0	1143.0	1141.9	1146.4	1160.0	1164.5	1169.0	1162.2	1169.0
177.5°	1119.1	1122.7	1126.3	1131.7	1128.1	1128.1	1138.1	1140.8	1141.7	1138.1	1141.7
180°	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7
2.5°	2672.9	2671.4	2670.4	2676.7	2690.3	2696.9	2682.3	2667.8	2682.3	2696.9	2690.3
5°	2689.9	2685.1	2682.6	2688.1	2701.4	2706.3	2685.7	2665.0	2685.7	2706.3	2701.4
7.5°	2735.1	2725.8	2718.8	2718.7	2725.5	2723.2	2693.9	2664.5	2693.9	2723.2	2725.5
10°	2737.5	2732.4	2731.2	2733.0	2737.8	2732.7	2697.5	2662.3	2697.5	2732.7	2737.8
12.5°	2696.3	2695.3	2697.0	2707.5	2726.9	2731.2	2690.2	2649.2	2690.2	2731.2	2726.9
15°	2633.8	2629.5	2625.9	2645.3	2687.8	2707.5	2659.0	2610.4	2659.0	2707.5	2687.8
17.5°	2597.6	2584.8	2571.6	2585.4	2625.9	2643.6	2592.9	2542.2	2592.9	2643.6	2625.9
20°	2580.1	2562.2	2545.2	2553.1	2585.8	2598.0	2548.2	2498.5	2548.2	2598.0	2585.8
22.5°	2571.1	2546.2	2522.4	2524.0	2550.9	2558.7	2508.9	2459.1	2508.9	2558.7	2550.9
25°	2569.2	2531.2	2491.2	2477.8	2491.2	2490.3	2446.6	2402.9	2446.6	2490.3	2491.2
27.5°	2560.8	2514.7	2460.5	2426.4	2412.4	2395.4	2369.6	2343.9	2369.6	2395.4	2412.4
30°	2522.4	2484.8	2437.5	2395.6	2359.2	2327.7	2310.7	2293.7	2310.7	2327.7	2359.2
32.5°	2441.1	2425.1	2400.1	2359.7	2303.9	2259.5	2249.3	2239.1	2249.3	2259.5	2303.9
35°	2282.5	2302.8	2322.2	2295.5	2222.7	2165.9	2157.5	2149.0	2157.5	2165.9	2222.7
37.5°	2072.4	2121.7	2178.4	2178.9	2123.1	2076.9	2059.4	2041.9	2059.4	2076.9	2123.1
40°	1901.1	1972.4	2057.3	2084.0	2052.5	2021.5	1992.4	1963.3	1992.4	2021.5	2052.5
42.5°	1705.0	1795.4	1903.7	1961.0	1967.3	1960.4	1913.8	1867.2	1913.8	1960.4	1967.3
45°	1426.0	1524.6	1642.3	1735.7	1804.9	1841.0	1777.9	1714.8	1777.9	1841.0	1804.9
47.5°	1182.0	1270.4	1375.5	1484.3	1596.7	1664.7	1599.9	1535.1	1599.9	1664.7	1596.7
50°	1032.5	1116.8	1215.1	1324.3	1444.5	1521.5	1469.3	1417.2	1469.3	1521.5	1444.5
52.5°	893.6	977.0	1075.3	1181.6	1295.9	1372.3	1334.6	1297.0	1334.6	1372.3	1295.9
55°	711.5	788.2	881.7	978.8	1079.5	1150.2	1130.8	1111.3	1130.8	1150.2	1079.5
57.5°	575.1	639.5	718.9	805.3	898.7	965.7	953.3	941.0	953.3	965.7	898.7
60°	503.9	554.3	616.2	693.9	787.3	855.3	846.8	838.3	846.8	855.3	787.3
62.5°	443.7	483.7	532.9	602.4	691.9	757.5	750.9	744.4	750.9	757.5	691.9
65°	366.5	396.8	434.5	491.5	568.0	623.8	617.7	611.6	617.7	623.8	568.0
67.5°	304.4	328.6	358.2	404.2	466.6	512.6	509.4	506.2	509.4	512.6	466.6
70°	263.3	284.9	311.6	352.2	406.9	447.5	446.3	445.1	446.3	447.5	406.9
72.5°	228.9	246.3	268.1	303.0	350.8	387.1	388.8	390.5	388.8	387.1	350.8
75°	179.6	191.1	205.7	232.4	271.2	301.3	304.9	308.6	304.9	301.3	271.2
77.5°	138.7	142.4	147.2	165.7	197.7	222.7	226.6	230.5	226.6	222.7	197.7
80°	114.7	114.7	114.7	126.8	151.1	170.5	175.4	180.2	175.4	170.5	151.1
82.5°	88.2	88.5	88.5	95.3	108.9	120.8	127.5	134.3	127.5	120.8	108.9
85°	34.6	41.0	48.2	51.9	51.9	53.4	59.5	65.5	59.5	53.4	51.9
87.5°	11.3	11.1	11.1	13.3	17.4	20.2	19.1	18.2	19.1	20.0	17.9
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°	28.2	28.0	26.2	24.2	19.9	19.9	19.7	12.4	21.5	30.5	43.8
95°	26.0	26.0	30.5	38.4	56.5	57.6	38.4	35.0	49.7	70.0	88.1
97.5°	70.3	83.6	102.6	106.2	100.5	75.0	71.8	66.9	91.0	111.1	140.3
100°	129.9	146.8	160.4	133.3	105.0	103.9	97.1	94.9	120.9	140.1	168.3
102.5°	203.1	208.3	161.3	145.9	139.4	134.6	124.2	122.9	148.9	175.3	199.0
105°	220.2	197.7	198.8	198.8	194.3	185.2	166.0	164.9	194.3	224.8	254.1
107.5°	259.1	262.5	268.4	267.0	261.8	237.6	215.1	209.9	236.3	272.9	305.2
110°	310.6	314.0	316.3	314.0	306.1	275.6	248.5	240.6	264.3	302.7	337.7



TEST NUMBER: P1428245

CATALOG NUMBER: SQ2W-PR1-K-075U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	360.3	362.8	367.8	361.0	347.7	312.6	281.9	270.4	294.1	333.4	369.3
115°	439.4	439.4	440.5	437.1	410.0	373.9	333.2	316.3	336.6	372.7	412.3
117.5°	517.1	518.4	513.9	504.9	473.5	431.5	385.8	358.7	374.8	412.9	453.6
120°	565.9	568.1	563.6	550.1	519.6	472.1	420.2	388.5	401.0	438.2	478.9
122.5°	616.5	616.0	610.6	595.2	559.3	510.1	459.0	420.2	425.4	459.9	499.7
125°	686.7	685.6	681.1	663.0	625.7	574.9	515.0	467.6	460.8	490.2	530.9
127.5°	753.6	751.1	744.1	722.2	684.0	635.0	569.3	515.5	500.4	518.9	556.2
130°	799.7	796.3	783.9	760.1	722.9	676.6	609.9	548.9	527.5	538.8	571.5
132.5°	843.9	834.2	823.6	798.1	763.5	715.4	647.9	584.2	554.6	559.5	585.1
135°	900.2	891.2	877.6	852.8	820.0	772.6	704.8	635.9	595.2	590.7	605.4
137.5°	949.7	940.2	924.8	903.4	870.4	828.1	763.1	690.3	639.1	623.9	629.6
140°	980.4	969.1	955.5	934.1	904.7	860.7	797.4	727.4	669.8	648.3	644.9
142.5°	1005.7	997.1	982.6	963.0	937.2	893.2	831.7	762.6	701.4	673.6	665.7
145°	1043.6	1036.9	1021.0	1003.0	981.5	937.5	881.0	812.1	751.1	715.0	698.0
147.5°	1075.7	1070.3	1057.9	1036.6	1018.6	976.3	924.8	863.8	801.3	756.5	734.6
150°	1095.6	1091.1	1078.7	1058.3	1040.2	1000.7	951.0	894.5	834.7	787.2	759.0
152.5°	1114.6	1110.1	1095.8	1075.5	1060.1	1023.3	978.1	924.4	863.6	816.2	787.0
155°	1139.6	1134.0	1120.4	1101.2	1087.7	1053.8	1012.0	964.6	912.6	862.9	830.2
157.5°	1159.5	1152.5	1139.9	1123.4	1108.9	1077.7	1041.4	1000.5	955.1	907.6	874.2
160°	1171.3	1163.4	1149.8	1135.1	1121.6	1092.2	1059.4	1022.2	980.4	937.5	901.3
162.5°	1179.4	1172.4	1156.1	1143.3	1131.5	1104.9	1073.9	1040.2	1003.0	965.5	932.0
165°	1188.2	1180.3	1163.4	1153.2	1143.0	1120.4	1093.3	1066.2	1034.6	1004.1	977.0
167.5°	1188.9	1182.3	1165.4	1155.5	1148.0	1128.6	1106.7	1085.9	1061.3	1037.3	1014.7
170°	1187.1	1181.4	1164.5	1155.5	1149.8	1134.0	1114.8	1096.7	1077.5	1057.2	1039.1
172.5°	1180.8	1175.1	1159.1	1151.8	1148.9	1134.9	1119.3	1105.8	1089.3	1074.4	1059.9
175°	1164.5	1160.0	1146.4	1141.9	1143.0	1134.0	1122.7	1114.8	1104.6	1095.6	1087.7
177.5°	1140.8	1138.1	1128.1	1128.1	1131.7	1126.3	1122.7	1119.1	1114.6	1111.9	1109.1
180°	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2



TEST NUMBER: P1428245

CATALOG NUMBER: SQ2W-PR1-K-075U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7	2678.7
2.5°	2676.7	2670.4	2671.4	2672.9	2675.8	2678.7	2675.8	2672.9	2671.4	2670.4	2676.7
5°	2688.1	2682.6	2685.1	2689.9	2702.0	2714.2	2702.0	2689.9	2685.1	2682.6	2688.1
7.5°	2718.7	2718.8	2725.8	2735.1	2751.1	2767.2	2751.1	2735.1	2725.8	2718.8	2718.7
10°	2733.0	2731.2	2732.4	2737.5	2754.5	2771.5	2754.5	2737.5	2732.4	2731.2	2733.0
12.5°	2707.5	2697.0	2695.3	2696.3	2705.5	2714.7	2705.5	2696.3	2695.3	2697.0	2707.5
15°	2645.3	2625.9	2629.5	2633.8	2639.9	2645.9	2639.9	2633.8	2629.5	2625.9	2645.3
17.5°	2585.4	2571.6	2584.8	2597.6	2609.5	2621.3	2609.5	2597.6	2584.8	2571.6	2585.4
20°	2553.1	2545.2	2562.2	2580.1	2600.7	2621.3	2600.7	2580.1	2562.2	2545.2	2553.1
22.5°	2524.0	2522.4	2546.2	2571.1	2599.5	2627.9	2599.5	2571.1	2546.2	2522.4	2524.0
25°	2477.8	2491.2	2531.2	2569.2	2600.7	2632.3	2600.7	2569.2	2531.2	2491.2	2477.8
27.5°	2426.4	2460.5	2514.7	2560.8	2582.9	2605.0	2582.9	2560.8	2514.7	2460.5	2426.4
30°	2395.6	2437.5	2484.8	2522.4	2530.9	2539.4	2530.9	2522.4	2484.8	2437.5	2395.6
32.5°	2359.7	2400.1	2425.1	2441.1	2430.2	2419.3	2430.2	2441.1	2425.1	2400.1	2359.7
35°	2295.5	2322.2	2302.8	2282.5	2259.4	2236.3	2259.4	2282.5	2302.8	2322.2	2295.5
37.5°	2178.9	2178.4	2121.7	2072.4	2046.0	2019.5	2046.0	2072.4	2121.7	2178.4	2178.9
40°	2084.0	2057.3	1972.4	1901.1	1870.7	1840.4	1870.7	1901.1	1972.4	2057.3	2084.0
42.5°	1961.0	1903.7	1795.4	1705.0	1667.8	1630.7	1667.8	1705.0	1795.4	1903.7	1961.0
45°	1735.7	1642.3	1524.6	1426.0	1384.7	1343.4	1384.7	1426.0	1524.6	1642.3	1735.7
47.5°	1484.3	1375.5	1270.4	1182.0	1143.4	1104.8	1143.4	1182.0	1270.4	1375.5	1484.3
50°	1324.3	1215.1	1116.8	1032.5	990.0	947.5	990.0	1032.5	1116.8	1215.1	1324.3
52.5°	1181.6	1075.3	977.0	893.6	855.0	816.4	855.0	893.6	977.0	1075.3	1181.6
55°	978.8	881.7	788.2	711.5	684.8	658.1	684.8	711.5	788.2	881.7	978.8
57.5°	805.3	718.9	639.5	575.1	555.4	535.7	555.4	575.1	639.5	718.9	805.3
60°	693.9	616.2	554.3	503.9	488.2	472.4	488.2	503.9	554.3	616.2	693.9
62.5°	602.4	532.9	483.7	443.7	431.9	420.0	431.9	443.7	483.7	532.9	602.4
65°	491.5	434.5	396.8	366.5	358.0	349.5	358.0	366.5	396.8	434.5	491.5
67.5°	404.2	358.2	328.6	304.4	296.4	288.3	296.4	304.4	328.6	358.2	404.2
70°	352.2	311.6	284.9	263.3	257.3	251.2	257.3	263.3	284.9	311.6	352.2
72.5°	303.0	268.1	246.3	228.9	224.8	220.6	224.8	228.9	246.3	268.1	303.0
75°	232.4	205.7	191.1	179.6	177.2	174.8	177.2	179.6	191.1	205.7	232.4
77.5°	165.7	147.2	142.4	138.7	138.7	138.7	138.7	138.7	142.4	147.2	165.7
80°	126.8	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	114.7	126.8
82.5°	95.3	88.5	88.5	88.2	87.3	86.3	87.3	88.2	88.5	88.5	95.3
85°	51.9	48.2	41.0	34.6	30.9	27.3	30.9	34.6	41.0	48.2	51.9
87.5°	14.2	13.3	14.9	15.8	16.7	16.3	16.7	15.8	14.9	13.3	14.2
90°	26.0	33.9	41.8	46.3	50.8	48.6	50.8	46.3	41.8	33.9	26.0
92.5°	52.2	65.5	75.2	83.4	87.0	86.5	87.0	83.4	75.2	65.5	52.2
95°	105.0	120.9	136.7	148.0	154.7	152.5	154.7	148.0	136.7	120.9	105.0
97.5°	162.0	183.2	200.8	211.4	218.2	222.7	218.2	211.4	200.8	183.2	162.0
100°	199.9	220.2	240.6	253.0	264.3	268.8	264.3	253.0	240.6	220.2	199.9
102.5°	230.6	257.3	279.4	292.8	302.2	306.8	302.2	292.8	279.4	257.3	230.6
105°	281.2	309.5	333.2	350.1	360.3	363.7	360.3	350.1	333.2	309.5	281.2
107.5°	331.8	361.0	382.9	401.6	414.1	421.3	414.1	401.6	382.9	361.0	331.8
110°	371.6	395.3	419.0	436.0	448.4	452.9	448.4	436.0	419.0	395.3	371.6



TEST NUMBER: P1428245

CATALOG NUMBER: SQ2W-PR1-K-075U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	405.0	431.5	455.2	472.1	486.4	492.7	486.4	472.1	455.2	431.5	405.0
115°	451.8	486.8	508.3	524.1	534.2	539.9	534.2	524.1	508.3	486.8	451.8
117.5°	490.6	527.2	550.7	562.9	567.7	571.7	567.7	562.9	550.7	527.2	490.6
120°	515.0	548.9	576.0	591.8	597.5	599.8	597.5	591.8	576.0	548.9	515.0
122.5°	537.6	569.7	595.9	615.3	624.6	626.9	624.6	615.3	595.9	569.7	537.6
125°	569.3	599.8	626.9	646.1	656.2	661.9	656.2	646.1	626.9	599.8	569.3
127.5°	596.8	629.8	654.6	672.0	682.0	686.5	682.0	672.0	654.6	629.8	596.8
130°	612.2	646.1	670.9	690.1	699.1	703.7	699.1	690.1	670.9	646.1	612.2
132.5°	623.9	659.6	685.4	702.8	712.7	717.2	712.7	702.8	685.4	659.6	623.9
135°	638.2	675.4	702.5	719.5	728.5	733.0	728.5	719.5	702.5	675.4	638.2
137.5°	650.6	684.5	712.7	730.5	738.7	741.6	738.7	730.5	712.7	684.5	650.6
140°	659.6	689.0	717.2	734.2	743.2	744.3	743.2	734.2	717.2	689.0	659.6
142.5°	671.4	694.4	719.0	736.0	745.0	747.0	745.0	736.0	719.0	694.4	671.4
145°	692.4	705.9	722.9	738.7	746.6	748.8	746.6	738.7	722.9	705.9	692.4
147.5°	718.8	723.1	731.9	742.3	750.0	751.6	750.0	742.3	731.9	723.1	718.8
150°	738.7	737.5	740.9	747.7	754.5	753.4	754.5	747.7	740.9	737.5	738.7
152.5°	761.3	754.7	754.5	757.7	760.8	760.6	760.8	757.7	754.5	754.7	761.3
155°	799.7	787.2	780.5	778.2	778.2	777.1	778.2	778.2	780.5	787.2	799.7
157.5°	841.9	824.5	814.4	808.9	807.4	804.9	807.4	808.9	814.4	824.5	841.9
160°	870.8	851.6	841.5	832.4	829.0	825.6	829.0	832.4	841.5	851.6	870.8
162.5°	897.9	879.6	868.6	860.4	857.0	851.9	857.0	860.4	868.6	879.6	897.9
165°	942.0	922.8	910.4	903.6	899.1	894.5	899.1	903.6	910.4	922.8	942.0
167.5°	986.0	965.0	956.9	949.2	944.9	936.8	944.9	949.2	956.9	965.0	986.0
170°	1013.1	993.9	989.4	982.6	974.7	965.7	974.7	982.6	989.4	993.9	1013.1
172.5°	1036.6	1023.8	1019.2	1012.5	1010.0	1002.7	1010.0	1012.5	1019.2	1023.8	1036.6
175°	1070.7	1060.6	1060.6	1059.4	1056.1	1049.3	1056.1	1059.4	1060.6	1060.6	1070.7
177.5°	1099.2	1093.8	1097.4	1097.4	1096.5	1090.2	1096.5	1097.4	1097.4	1093.8	1099.2
180°	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2	1118.2



TEST NUMBER: P1428245

CATALOG NUMBER: SQ2W-PR1-K-075U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2678.7	2678.7	2678.7	2678.7
2.5°	2690.3	2696.9	2682.3	2667.8
5°	2701.4	2706.3	2685.7	2665.0
7.5°	2725.5	2723.2	2693.9	2664.5
10°	2737.8	2732.7	2697.5	2662.3
12.5°	2726.9	2731.2	2690.2	2649.2
15°	2687.8	2707.5	2659.0	2610.4
17.5°	2625.9	2643.6	2592.9	2542.2
20°	2585.8	2598.0	2548.2	2498.5
22.5°	2550.9	2558.7	2508.9	2459.1
25°	2491.2	2490.3	2446.6	2402.9
27.5°	2412.4	2395.4	2369.6	2343.9
30°	2359.2	2327.7	2310.7	2293.7
32.5°	2303.9	2259.5	2249.3	2239.1
35°	2222.7	2165.9	2157.5	2149.0
37.5°	2123.1	2076.9	2059.4	2041.9
40°	2052.5	2021.5	1992.4	1963.3
42.5°	1967.3	1960.4	1913.8	1867.2
45°	1804.9	1841.0	1777.9	1714.8
47.5°	1596.7	1664.7	1599.9	1535.1
50°	1444.5	1521.5	1469.3	1417.2
52.5°	1295.9	1372.3	1334.6	1297.0
55°	1079.5	1150.2	1130.8	1111.3
57.5°	898.7	965.7	953.3	941.0
60°	787.3	855.3	846.8	838.3
62.5°	691.9	757.5	750.9	744.4
65°	568.0	623.8	617.7	611.6
67.5°	466.6	512.6	509.4	506.2
70°	406.9	447.5	446.3	445.1
72.5°	350.8	387.1	388.8	390.5
75°	271.2	301.3	304.9	308.6
77.5°	197.7	222.7	226.6	230.5
80°	151.1	170.5	175.4	180.2
82.5°	108.9	120.8	127.5	134.3
85°	51.9	53.4	59.5	65.5
87.5°	17.9	20.0	19.1	18.2
90°	20.3	12.4	7.9	3.4
92.5°	43.8	30.5	21.5	12.4
95°	88.1	70.0	49.7	35.0
97.5°	140.3	111.1	91.0	66.9
100°	168.3	140.1	120.9	94.9
102.5°	199.0	175.3	148.9	122.9
105°	254.1	224.8	194.3	164.9
107.5°	305.2	272.9	236.3	209.9
110°	337.7	302.7	264.3	240.6



TEST NUMBER: P1428245

CATALOG NUMBER: SQ2W-PR1-K-075U-125D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	369.3	333.4	294.1	270.4
115°	412.3	372.7	336.6	316.3
117.5°	453.6	412.9	374.8	358.7
120°	478.9	438.2	401.0	388.5
122.5°	499.7	459.9	425.4	420.2
125°	530.9	490.2	460.8	467.6
127.5°	556.2	518.9	500.4	515.5
130°	571.5	538.8	527.5	548.9
132.5°	585.1	559.5	554.6	584.2
135°	605.4	590.7	595.2	635.9
137.5°	629.6	623.9	639.1	690.3
140°	644.9	648.3	669.8	727.4
142.5°	665.7	673.6	701.4	762.6
145°	698.0	715.0	751.1	812.1
147.5°	734.6	756.5	801.3	863.8
150°	759.0	787.2	834.7	894.5
152.5°	787.0	816.2	863.6	924.4
155°	830.2	862.9	912.6	964.6
157.5°	874.2	907.6	955.1	1000.5
160°	901.3	937.5	980.4	1022.2
162.5°	932.0	965.5	1003.0	1040.2
165°	977.0	1004.1	1034.6	1066.2
167.5°	1014.7	1037.3	1061.3	1085.9
170°	1039.1	1057.2	1077.5	1096.7
172.5°	1059.9	1074.4	1089.3	1105.8
175°	1087.7	1095.6	1104.6	1114.8
177.5°	1109.1	1111.9	1114.6	1119.1
180°	1118.2	1118.2	1118.2	1118.2



TEST NUMBER: P1428245
 CATALOG NUMBER: SQ2W-PR1-K-075U-125D-L830-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	21.17	22.14	21.99	22.97	23.99	17.54	18.51	18.35	19.34	20.36
	3H	22.39	23.26	23.21	24.09	25.14	18.71	19.58	19.54	20.42	21.47
	4H	22.88	23.70	23.72	24.54	25.60	19.18	20.00	20.03	20.84	21.90
	6H	23.18	23.93	24.04	24.79	25.86	19.53	20.28	20.38	21.13	22.21
	8H	23.29	24.00	24.15	24.87	25.95	19.67	20.39	20.53	21.26	22.33
	12H	23.33	24.01	24.20	24.88	25.97	19.71	20.39	20.57	21.25	22.35
4H	2H	21.29	22.11	22.14	22.95	24.01	18.27	19.08	19.12	19.93	20.99
	3H	22.76	23.44	23.62	24.32	25.39	19.63	20.31	20.49	21.19	22.26
	4H	23.39	24.01	24.27	24.88	25.99	20.18	20.80	21.05	21.67	22.78
	6H	23.83	24.36	24.72	25.26	26.37	20.62	21.15	21.51	22.05	23.16
	8H	23.99	24.49	24.88	25.38	26.50	20.81	21.30	21.70	22.20	23.31
	12H	24.06	24.51	24.97	25.42	26.54	20.86	21.30	21.77	22.22	23.34
8H	4H	23.43	23.92	24.32	24.82	25.93	20.52	21.01	21.41	21.91	23.02
	6H	23.96	24.37	24.88	25.31	26.43	21.06	21.47	21.98	22.41	23.52
	8H	24.20	24.56	25.12	25.49	26.62	21.32	21.69	22.25	22.62	23.75
	12H	24.32	24.64	25.25	25.56	26.75	21.42	21.74	22.35	22.66	23.85
12H	4H	23.39	23.83	24.30	24.75	25.87	20.54	20.99	21.45	21.90	23.02
	6H	23.95	24.32	24.88	25.24	26.38	21.13	21.50	22.06	22.43	23.56
	8H	24.21	24.53	25.14	25.45	26.64	21.43	21.75	22.36	22.67	23.86