

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: P1428414

Luminaire Tested: SQ2W-PW1-K-075U-125D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428414
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PW1-K-075U-125D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE WAVES 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

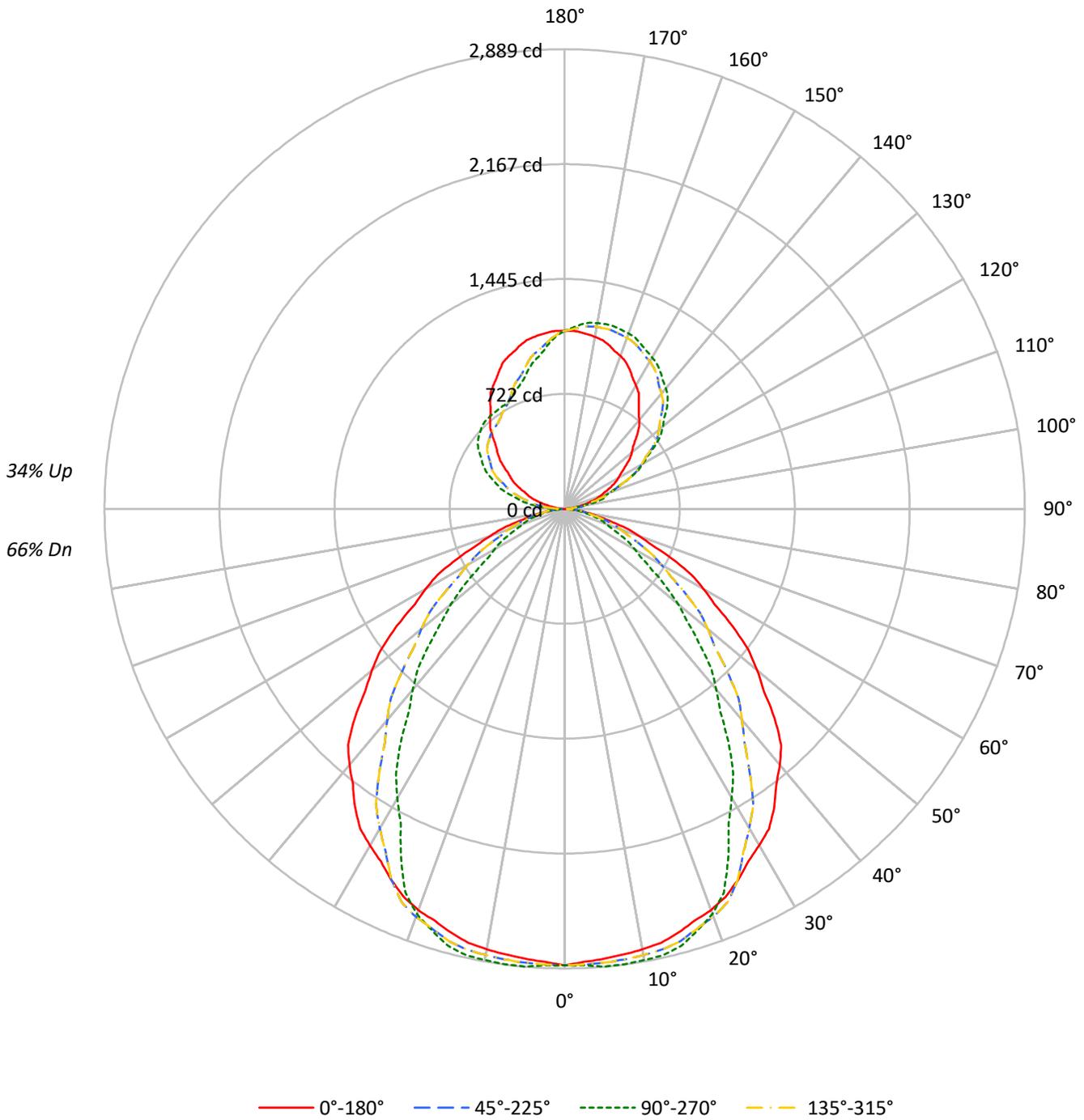
Lumens per Lamp: N/A
Luminaire Lumens: 9640.1 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

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	0
RCR																		
0	111	111	111	111	104	104	104	104	92	92	92	81	81	81	71	71	71	66
1	102	98	94	91	96	93	89	86	82	80	78	73	71	69	64	63	61	57
2	94	87	81	76	88	82	77	72	73	69	65	65	62	59	57	55	53	49
3	86	77	70	64	81	73	66	61	65	60	56	58	54	51	51	48	46	42
4	79	68	61	55	74	65	58	53	58	53	48	52	48	44	46	43	40	37
5	73	61	53	48	69	58	51	46	53	47	42	47	42	39	42	38	35	33
6	67	55	47	42	63	53	46	40	48	42	37	43	38	34	38	35	32	29
7	63	50	43	37	59	48	41	36	43	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	29	25	30	26	23	21
10	51	39	32	27	48	37	31	26	34	28	24	31	26	23	28	24	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	46333	46333	46333	46333
5°	46022	46819	46022	46819
10°	46107	47226	46107	47226
15°	46094	47511	46094	47511
20°	46112	46583	46112	46583
25°	45864	43284	45864	43284
30°	45551	39132	45551	39132
35°	45195	35338	45195	35338
40°	44297	31221	44297	31221
45°	42559	27270	42559	27270
50°	39611	23340	39611	23340
55°	36236	18925	36236	18925
60°	32478	16326	32478	16326
65°	28401	14514	28401	14514
70°	23221	13161	23221	13161
75°	18072	12102	18072	12102
80°	13473	10674	13473	10674
85°	9114	6076	9114	6076

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 42559 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.3	2.8
10°-20°	791.8	8.2
20°-30°	1165.2	12.1
30°-40°	1274.0	13.2
40°-50°	1142.8	11.9
50°-60°	852.5	8.8
60°-70°	538.8	5.6
70°-80°	267.0	2.8
80°-90°	67.1	0.7
90°-100°	89.1	0.9
100°-110°	259.7	2.7
110°-120°	423.9	4.4
120°-130°	537.9	5.6
130°-140°	575.6	6.0
140°-150°	537.5	5.6
150°-160°	442.3	4.6
160°-170°	296.6	3.1
170°-180°	105.3	1.1
0°-30°	2230.2	23.1
0°-40°	3504.1	36.3
0°-60°	5499.5	57.0
0°-90°	6372.3	66.1
90°-120°	772.7	8.0
90°-150°	2423.6	25.1
90°-180°	3268.0	33.9
0°-180°	9640.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2870	2870	2870	2870	2870	
5°	2840	2889	2840	2889	2840	270
15°	2758	2842	2758	2842	2758	779
25°	2574	2430	2574	2430	2574	1186
35°	2293	1793	2293	1793	2293	1430
45°	1864	1194	1864	1194	1864	1429
55°	1287	672	1287	672	1287	1149
65°	743	380	743	380	743	737
75°	290	194	290	194	290	319
85°	49	33	49	33	49	62
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°	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7
2.5°	2850.0	2866.5	2883.1	2879.2	2868.5	2863.6	2864.6	2866.0	2869.0	2871.9	2869.0
5°	2839.6	2860.3	2880.9	2877.9	2867.0	2862.1	2863.3	2867.0	2877.9	2888.8	2877.9
7.5°	2825.4	2846.3	2867.2	2866.2	2858.0	2855.9	2860.0	2865.8	2876.5	2887.2	2876.5
10°	2812.3	2834.2	2856.0	2856.0	2848.7	2848.1	2854.2	2861.2	2870.9	2880.6	2870.9
12.5°	2794.8	2817.6	2840.5	2842.2	2836.8	2837.7	2844.7	2852.4	2862.2	2871.9	2862.2
15°	2757.6	2781.9	2806.2	2811.4	2810.2	2813.8	2822.3	2830.2	2836.3	2842.4	2836.3
17.5°	2714.5	2738.7	2763.0	2767.8	2766.1	2766.4	2768.6	2770.9	2773.9	2776.8	2773.9
20°	2683.8	2708.1	2732.4	2735.8	2732.1	2726.1	2717.6	2711.2	2711.2	2711.2	2711.2
22.5°	2640.1	2666.4	2692.6	2692.8	2684.3	2668.5	2645.4	2626.1	2618.4	2610.6	2618.4
25°	2574.5	2600.0	2625.5	2613.7	2589.4	2553.6	2506.2	2466.1	2447.9	2429.7	2447.9
27.5°	2498.0	2518.6	2539.3	2508.4	2460.3	2402.6	2335.3	2278.5	2253.2	2228.0	2253.2
30°	2443.3	2459.1	2474.9	2426.0	2355.6	2283.3	2209.2	2147.6	2123.3	2099.0	2123.3
32.5°	2386.5	2392.6	2398.6	2334.2	2246.3	2163.8	2086.8	2022.4	1996.2	1970.0	1996.2
35°	2293.0	2282.1	2271.2	2185.5	2075.0	1980.8	1903.1	1839.0	1816.0	1792.9	1816.0
37.5°	2182.6	2150.1	2117.5	2021.0	1903.2	1803.6	1722.2	1654.8	1629.3	1603.7	1629.3
40°	2101.7	2055.5	2009.4	1905.8	1783.2	1681.1	1599.7	1532.3	1506.8	1481.3	1506.8
42.5°	2012.1	1954.2	1896.4	1790.0	1667.3	1565.2	1483.9	1416.2	1389.7	1363.2	1389.7
45°	1863.9	1795.9	1727.9	1617.0	1491.9	1389.9	1310.9	1245.4	1219.8	1194.3	1219.8
47.5°	1697.2	1629.7	1562.1	1451.6	1326.7	1226.0	1149.5	1086.7	1064.8	1042.9	1064.8
50°	1577.0	1511.4	1445.8	1340.1	1221.1	1123.3	1046.8	982.7	956.0	929.2	956.0
52.5°	1454.5	1395.7	1336.9	1235.2	1119.0	1021.7	943.3	875.3	838.9	802.4	838.9
55°	1287.3	1231.4	1175.5	1079.6	970.2	871.8	784.4	713.6	693.0	672.3	693.0
57.5°	1115.1	1066.7	1018.4	932.1	833.3	744.1	664.7	600.8	583.8	566.8	583.8
60°	1005.8	963.2	920.7	838.1	742.2	660.8	594.0	539.6	522.6	505.6	522.6
62.5°	900.8	863.2	825.5	746.3	653.3	580.1	526.9	483.5	469.4	455.3	469.4
65°	743.4	715.4	687.5	622.2	544.5	483.7	440.0	404.2	392.0	379.9	392.0
67.5°	590.3	574.8	559.2	510.3	450.3	401.1	362.8	332.0	324.0	315.9	324.0
70°	491.9	487.1	482.2	441.8	389.6	347.7	316.1	290.9	284.8	278.8	284.8
72.5°	406.7	408.6	410.6	377.0	331.5	296.4	271.7	252.0	247.9	243.8	247.9
75°	289.7	299.4	309.1	287.0	254.2	229.3	212.3	198.9	196.5	194.0	196.5
77.5°	197.3	211.9	226.5	212.1	188.0	169.7	157.1	147.1	145.2	143.2	145.2
80°	144.9	159.4	174.0	164.0	145.8	131.8	122.1	114.8	114.8	114.8	114.8
82.5°	101.1	112.8	124.4	117.3	104.0	94.9	90.0	86.4	86.4	86.4	86.4
85°	49.2	55.3	61.3	59.2	54.4	48.3	41.0	35.2	34.0	32.8	34.0
87.5°	13.8	17.6	21.7	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°	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7
2.5°	2866.0	2864.6	2863.6	2868.5	2879.2	2883.1	2866.5	2850.0	2866.5	2883.1	2879.2
5°	2867.0	2863.3	2862.1	2867.0	2877.9	2880.9	2860.3	2839.6	2860.3	2880.9	2877.9
7.5°	2865.8	2860.0	2855.9	2858.0	2866.2	2867.2	2846.3	2825.4	2846.3	2867.2	2866.2
10°	2861.2	2854.2	2848.1	2848.7	2856.0	2856.0	2834.2	2812.3	2834.2	2856.0	2856.0
12.5°	2852.4	2844.7	2837.7	2836.8	2842.2	2840.5	2817.6	2794.8	2817.6	2840.5	2842.2
15°	2830.2	2822.3	2813.8	2810.2	2811.4	2806.2	2781.9	2757.6	2781.9	2806.2	2811.4
17.5°	2770.9	2768.6	2766.4	2766.1	2767.8	2763.0	2738.7	2714.5	2738.7	2763.0	2767.8
20°	2711.2	2717.6	2726.1	2732.1	2735.8	2732.4	2708.1	2683.8	2708.1	2732.4	2735.8
22.5°	2626.1	2645.4	2668.5	2684.3	2692.8	2692.6	2666.4	2640.1	2666.4	2692.6	2692.8
25°	2466.1	2506.2	2553.6	2589.4	2613.7	2625.5	2600.0	2574.5	2600.0	2625.5	2613.7
27.5°	2278.5	2335.3	2402.6	2460.3	2508.4	2539.3	2518.6	2498.0	2518.6	2539.3	2508.4
30°	2147.6	2209.2	2283.3	2355.6	2426.0	2474.9	2459.1	2443.3	2459.1	2474.9	2426.0
32.5°	2022.4	2086.8	2163.8	2246.3	2334.2	2398.6	2392.6	2386.5	2392.6	2398.6	2334.2
35°	1839.0	1903.1	1980.8	2075.0	2185.5	2271.2	2282.1	2293.0	2282.1	2271.2	2185.5
37.5°	1654.8	1722.2	1803.6	1903.2	2021.0	2117.5	2150.1	2182.6	2150.1	2117.5	2021.0
40°	1532.3	1599.7	1681.1	1783.2	1905.8	2009.4	2055.5	2101.7	2055.5	2009.4	1905.8
42.5°	1416.2	1483.9	1565.2	1667.3	1790.0	1896.4	1954.2	2012.1	1954.2	1896.4	1790.0
45°	1245.4	1310.9	1389.9	1491.9	1617.0	1727.9	1795.9	1863.9	1795.9	1727.9	1617.0
47.5°	1086.7	1149.5	1226.0	1326.7	1451.6	1562.1	1629.7	1697.2	1629.7	1562.1	1451.6
50°	982.7	1046.8	1123.3	1221.1	1340.1	1445.8	1511.4	1577.0	1511.4	1445.8	1340.1
52.5°	875.3	943.3	1021.7	1119.0	1235.2	1336.9	1395.7	1454.5	1395.7	1336.9	1235.2
55°	713.6	784.4	871.8	970.2	1079.6	1175.5	1231.4	1287.3	1231.4	1175.5	1079.6
57.5°	600.8	664.7	744.1	833.3	932.1	1018.4	1066.7	1115.1	1066.7	1018.4	932.1
60°	539.6	594.0	660.8	742.2	838.1	920.7	963.2	1005.8	963.2	920.7	838.1
62.5°	483.5	526.9	580.1	653.3	746.3	825.5	863.2	900.8	863.2	825.5	746.3
65°	404.2	440.0	483.7	544.5	622.2	687.5	715.4	743.4	715.4	687.5	622.2
67.5°	332.0	362.8	401.1	450.3	510.3	559.2	574.8	590.3	574.8	559.2	510.3
70°	290.9	316.1	347.7	389.6	441.8	482.2	487.1	491.9	487.1	482.2	441.8
72.5°	252.0	271.7	296.4	331.5	377.0	410.6	408.6	406.7	408.6	410.6	377.0
75°	198.9	212.3	229.3	254.2	287.0	309.1	299.4	289.7	299.4	309.1	287.0
77.5°	147.1	157.1	169.7	188.0	212.1	226.5	211.9	197.3	211.9	226.5	212.1
80°	114.8	122.1	131.8	145.8	164.0	174.0	159.4	144.9	159.4	174.0	164.0
82.5°	86.4	90.0	94.9	104.0	117.3	124.4	112.8	101.1	112.8	124.4	117.3
85°	35.2	41.0	48.3	54.4	59.2	61.3	55.3	49.2	55.3	61.3	59.2
87.5°	11.3	11.8	12.8	15.5	19.7	21.7	17.6	13.8	17.6	21.4	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: P1428414

CATALOG NUMBER: SQ2W-PW1-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: P1428414

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7	2869.7
2.5°	2868.5	2863.6	2864.6	2866.0	2869.0	2871.9	2869.0	2866.0	2864.6	2863.6	2868.5
5°	2867.0	2862.1	2863.3	2867.0	2877.9	2888.8	2877.9	2867.0	2863.3	2862.1	2867.0
7.5°	2858.0	2855.9	2860.0	2865.8	2876.5	2887.2	2876.5	2865.8	2860.0	2855.9	2858.0
10°	2848.7	2848.1	2854.2	2861.2	2870.9	2880.6	2870.9	2861.2	2854.2	2848.1	2848.7
12.5°	2836.8	2837.7	2844.7	2852.4	2862.2	2871.9	2862.2	2852.4	2844.7	2837.7	2836.8
15°	2810.2	2813.8	2822.3	2830.2	2836.3	2842.4	2836.3	2830.2	2822.3	2813.8	2810.2
17.5°	2766.1	2766.4	2768.6	2770.9	2773.9	2776.8	2773.9	2770.9	2768.6	2766.4	2766.1
20°	2732.1	2726.1	2717.6	2711.2	2711.2	2711.2	2711.2	2711.2	2717.6	2726.1	2732.1
22.5°	2684.3	2668.5	2645.4	2626.1	2618.4	2610.6	2618.4	2626.1	2645.4	2668.5	2684.3
25°	2589.4	2553.6	2506.2	2466.1	2447.9	2429.7	2447.9	2466.1	2506.2	2553.6	2589.4
27.5°	2460.3	2402.6	2335.3	2278.5	2253.2	2228.0	2253.2	2278.5	2335.3	2402.6	2460.3
30°	2355.6	2283.3	2209.2	2147.6	2123.3	2099.0	2123.3	2147.6	2209.2	2283.3	2355.6
32.5°	2246.3	2163.8	2086.8	2022.4	1996.2	1970.0	1996.2	2022.4	2086.8	2163.8	2246.3
35°	2075.0	1980.8	1903.1	1839.0	1816.0	1792.9	1816.0	1839.0	1903.1	1980.8	2075.0
37.5°	1903.2	1803.6	1722.2	1654.8	1629.3	1603.7	1629.3	1654.8	1722.2	1803.6	1903.2
40°	1783.2	1681.1	1599.7	1532.3	1506.8	1481.3	1506.8	1532.3	1599.7	1681.1	1783.2
42.5°	1667.3	1565.2	1483.9	1416.2	1389.7	1363.2	1389.7	1416.2	1483.9	1565.2	1667.3
45°	1491.9	1389.9	1310.9	1245.4	1219.8	1194.3	1219.8	1245.4	1310.9	1389.9	1491.9
47.5°	1326.7	1226.0	1149.5	1086.7	1064.8	1042.9	1064.8	1086.7	1149.5	1226.0	1326.7
50°	1221.1	1123.3	1046.8	982.7	956.0	929.2	956.0	982.7	1046.8	1123.3	1221.1
52.5°	1119.0	1021.7	943.3	875.3	838.9	802.4	838.9	875.3	943.3	1021.7	1119.0
55°	970.2	871.8	784.4	713.6	693.0	672.3	693.0	713.6	784.4	871.8	970.2
57.5°	833.3	744.1	664.7	600.8	583.8	566.8	583.8	600.8	664.7	744.1	833.3
60°	742.2	660.8	594.0	539.6	522.6	505.6	522.6	539.6	594.0	660.8	742.2
62.5°	653.3	580.1	526.9	483.5	469.4	455.3	469.4	483.5	526.9	580.1	653.3
65°	544.5	483.7	440.0	404.2	392.0	379.9	392.0	404.2	440.0	483.7	544.5
67.5°	450.3	401.1	362.8	332.0	324.0	315.9	324.0	332.0	362.8	401.1	450.3
70°	389.6	347.7	316.1	290.9	284.8	278.8	284.8	290.9	316.1	347.7	389.6
72.5°	331.5	296.4	271.7	252.0	247.9	243.8	247.9	252.0	271.7	296.4	331.5
75°	254.2	229.3	212.3	198.9	196.5	194.0	196.5	198.9	212.3	229.3	254.2
77.5°	188.0	169.7	157.1	147.1	145.2	143.2	145.2	147.1	157.1	169.7	188.0
80°	145.8	131.8	122.1	114.8	114.8	114.8	114.8	114.8	122.1	131.8	145.8
82.5°	104.0	94.9	90.0	86.4	86.4	86.4	86.4	86.4	90.0	94.9	104.0
85°	54.4	48.3	41.0	35.2	34.0	32.8	34.0	35.2	41.0	48.3	54.4
87.5°	16.4	15.0	15.7	15.8	16.7	16.3	16.7	15.8	15.7	15.0	16.4
90°	26.0	33.9	41.8	46.4	50.9	48.6	50.9	46.4	41.8	33.9	26.0
92.5°	52.2	65.6	75.3	83.4	87.0	86.6	87.0	83.4	75.3	65.6	52.2
95°	105.1	121.0	136.8	148.1	154.9	152.6	154.9	148.1	136.8	121.0	105.1
97.5°	162.1	183.4	201.0	211.6	218.4	222.9	218.4	211.6	201.0	183.4	162.1
100°	200.1	220.4	240.8	253.2	264.5	269.1	264.5	253.2	240.8	220.4	200.1
102.5°	230.8	257.5	279.7	293.0	302.5	307.0	302.5	293.0	279.7	257.5	230.8
105°	281.5	309.8	333.5	350.5	360.6	364.0	360.6	350.5	333.5	309.8	281.5
107.5°	332.1	361.3	383.2	402.0	414.4	421.7	414.4	402.0	383.2	361.3	332.1
110°	371.9	395.7	419.4	436.4	448.8	453.3	448.8	436.4	419.4	395.7	371.9



TEST NUMBER: P1428414

CATALOG NUMBER: SQ2W-PW1-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: P1428414

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2869.7	2869.7	2869.7	2869.7
2.5°	2879.2	2883.1	2866.5	2850.0
5°	2877.9	2880.9	2860.3	2839.6
7.5°	2866.2	2867.2	2846.3	2825.4
10°	2856.0	2856.0	2834.2	2812.3
12.5°	2842.2	2840.5	2817.6	2794.8
15°	2811.4	2806.2	2781.9	2757.6
17.5°	2767.8	2763.0	2738.7	2714.5
20°	2735.8	2732.4	2708.1	2683.8
22.5°	2692.8	2692.6	2666.4	2640.1
25°	2613.7	2625.5	2600.0	2574.5
27.5°	2508.4	2539.3	2518.6	2498.0
30°	2426.0	2474.9	2459.1	2443.3
32.5°	2334.2	2398.6	2392.6	2386.5
35°	2185.5	2271.2	2282.1	2293.0
37.5°	2021.0	2117.5	2150.1	2182.6
40°	1905.8	2009.4	2055.5	2101.7
42.5°	1790.0	1896.4	1954.2	2012.1
45°	1617.0	1727.9	1795.9	1863.9
47.5°	1451.6	1562.1	1629.7	1697.2
50°	1340.1	1445.8	1511.4	1577.0
52.5°	1235.2	1336.9	1395.7	1454.5
55°	1079.6	1175.5	1231.4	1287.3
57.5°	932.1	1018.4	1066.7	1115.1
60°	838.1	920.7	963.2	1005.8
62.5°	746.3	825.5	863.2	900.8
65°	622.2	687.5	715.4	743.4
67.5°	510.3	559.2	574.8	590.3
70°	441.8	482.2	487.1	491.9
72.5°	377.0	410.6	408.6	406.7
75°	287.0	309.1	299.4	289.7
77.5°	212.1	226.5	211.9	197.3
80°	164.0	174.0	159.4	144.9
82.5°	117.3	124.4	112.8	101.1
85°	59.2	61.3	55.3	49.2
87.5°	20.1	21.4	17.6	13.8
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: P1428414

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L835-UNV-STD-W-WM-4

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: P1428414
 CATALOG NUMBER: SQ2W-PW1-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	21.63	22.60	22.45	23.43	24.46	17.88	18.85	18.69	19.68	20.71
	3H	22.94	23.81	23.77	24.65	25.70	19.16	20.03	19.99	20.87	21.92
	4H	23.36	24.17	24.20	25.02	26.09	19.67	20.49	20.51	21.33	22.40
	6H	23.54	24.29	24.40	25.15	26.23	19.98	20.74	20.84	21.59	22.67
	8H	23.59	24.30	24.45	25.18	26.25	20.10	20.82	20.97	21.69	22.77
	12H	23.59	24.27	24.46	25.14	26.24	20.13	20.82	21.00	21.68	22.79
4H	2H	21.78	22.60	22.63	23.44	24.51	18.70	19.52	19.55	20.37	21.43
	3H	23.33	24.00	24.19	24.89	25.96	20.16	20.84	21.02	21.72	22.80
	4H	23.88	24.49	24.75	25.37	26.48	20.74	21.36	21.61	22.24	23.34
	6H	24.19	24.72	25.08	25.63	26.74	21.13	21.66	22.02	22.57	23.68
	8H	24.29	24.78	25.18	25.68	26.80	21.29	21.78	22.18	22.68	23.80
	12H	24.31	24.76	25.22	25.68	26.80	21.33	21.78	22.24	22.69	23.82
8H	4H	23.92	24.42	24.81	25.32	26.44	21.09	21.59	21.98	22.49	23.61
	6H	24.35	24.76	25.27	25.70	26.82	21.59	22.00	22.51	22.94	24.06
	8H	24.52	24.88	25.45	25.81	26.95	21.81	22.17	22.74	23.10	24.24
	12H	24.60	24.92	25.53	25.84	27.04	21.90	22.22	22.83	23.14	24.33
12H	4H	23.89	24.33	24.80	25.25	26.38	21.12	21.56	22.03	22.48	23.61
	6H	24.34	24.71	25.27	25.64	26.78	21.67	22.03	22.59	22.96	24.10
	8H	24.54	24.86	25.47	25.78	26.97	21.91	22.23	22.84	23.16	24.35