

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: P1428418

Luminaire Tested: SQ2W-PW1-K-075U-125D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428418
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-L940-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: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

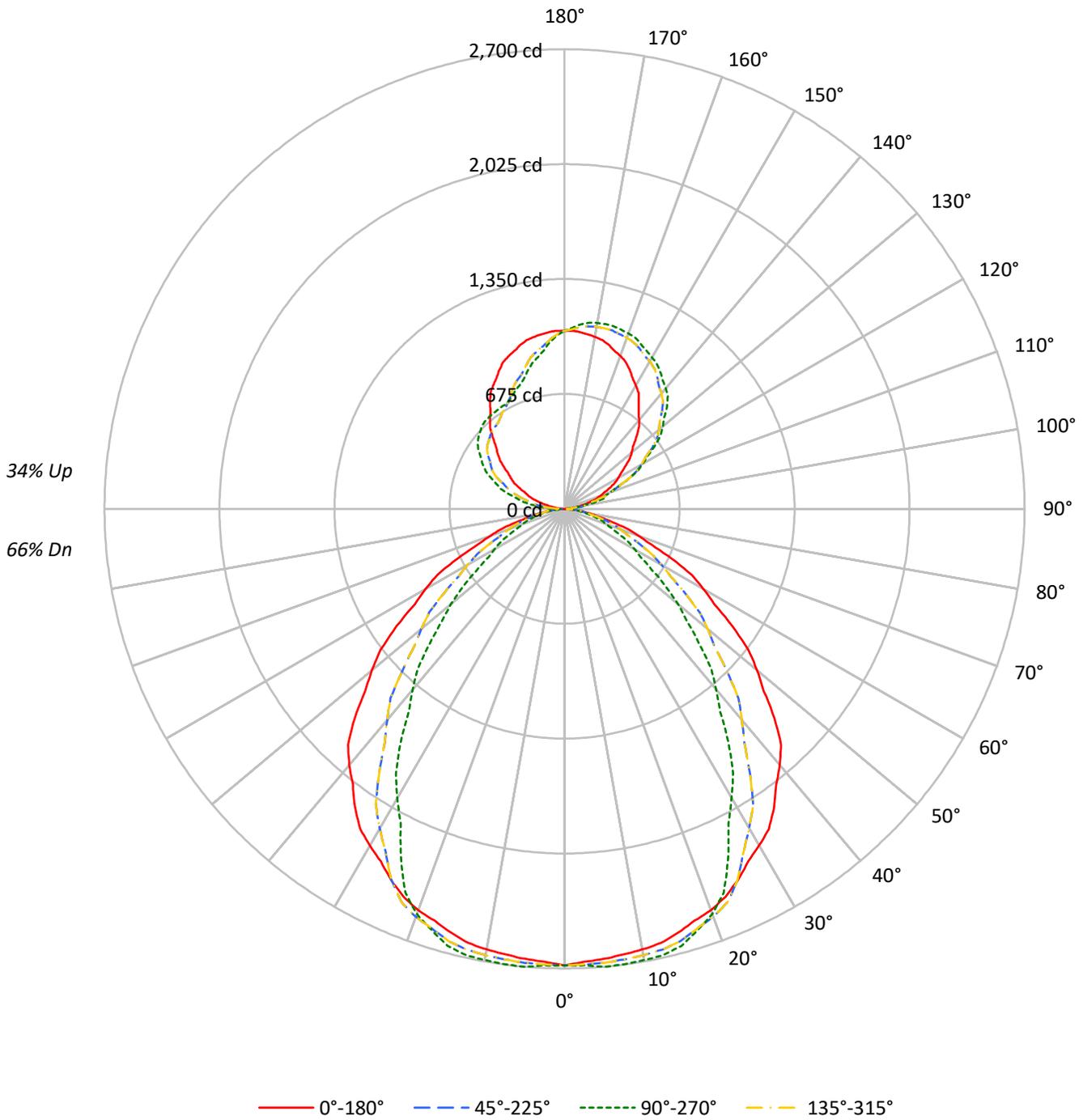
Lumens per Lamp: N/A
Luminaire Lumens: 9010.7 lumens
Efficiency: N/A
Efficacy: 123.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

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°	43307	43307	43307	43307
5°	43017	43763	43017	43763
10°	43097	44143	43097	44143
15°	43085	44409	43085	44409
20°	43102	43540	43102	43540
25°	42869	40457	42869	40457
30°	42578	36576	42578	36576
35°	42245	33030	42245	33030
40°	41405	29183	41405	29183
45°	39780	25489	39780	25489
50°	37024	21818	37024	21818
55°	33869	17689	33869	17689
60°	30357	15261	30357	15261
65°	26544	13566	26544	13566
70°	21706	12302	21706	12302
75°	16893	11316	16893	11316
80°	12589	9977	12589	9977
85°	8521	5687	8521	5687

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 39780 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.4	2.8
10°-20°	740.1	8.2
20°-30°	1089.1	12.1
30°-40°	1190.8	13.2
40°-50°	1068.2	11.9
50°-60°	796.8	8.8
60°-70°	503.6	5.6
70°-80°	249.5	2.8
80°-90°	62.7	0.7
90°-100°	83.3	0.9
100°-110°	242.8	2.7
110°-120°	396.2	4.4
120°-130°	502.8	5.6
130°-140°	538.0	6.0
140°-150°	502.4	5.6
150°-160°	413.4	4.6
160°-170°	277.2	3.1
170°-180°	98.4	1.1
0°-30°	2084.5	23.1
0°-40°	3275.3	36.3
0°-60°	5140.4	57.0
0°-90°	5956.2	66.1
90°-120°	722.3	8.0
90°-150°	2265.4	25.1
90°-180°	3054.0	33.9
0°-180°	9010.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2682	2682	2682	2682	2682	
5°	2654	2700	2654	2700	2654	253
15°	2578	2657	2578	2657	2578	728
25°	2406	2271	2406	2271	2406	1108
35°	2143	1676	2143	1676	2143	1337
45°	1742	1116	1742	1116	1742	1336
55°	1203	628	1203	628	1203	1074
65°	695	355	695	355	695	689
75°	271	181	271	181	271	298
85°	46	31	46	31	46	58
90°	3	23	3	45	3	4
95°	33	24	33	143	33	40
105°	154	247	154	340	154	164
115°	296	410	296	505	296	292
125°	438	650	438	619	438	391
135°	595	851	595	686	595	460
145°	760	981	760	701	760	475
155°	902	1065	902	727	902	415
165°	998	1111	998	837	998	281
175°	1043	1087	1043	982	1043	99
180°	1046	1046	1046	1046	1046	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3
2.5°	2663.9	2679.4	2694.8	2691.2	2681.2	2676.6	2677.5	2678.9	2681.6	2684.3	2681.6
5°	2654.2	2673.5	2692.8	2690.0	2679.7	2675.2	2676.3	2679.7	2690.0	2700.2	2690.0
7.5°	2640.9	2660.4	2680.0	2679.1	2671.3	2669.4	2673.3	2678.7	2688.7	2698.7	2688.7
10°	2628.7	2649.1	2669.5	2669.5	2662.7	2662.1	2667.8	2674.4	2683.4	2692.5	2683.4
12.5°	2612.3	2633.7	2655.0	2656.6	2651.6	2652.4	2659.0	2666.2	2675.3	2684.3	2675.3
15°	2577.6	2600.3	2623.0	2627.8	2626.7	2630.1	2638.0	2645.4	2651.1	2656.8	2651.1
17.5°	2537.2	2559.9	2582.6	2587.1	2585.5	2585.7	2587.8	2590.0	2592.7	2595.4	2592.7
20°	2508.6	2531.3	2554.0	2557.1	2553.7	2548.0	2540.1	2534.1	2534.1	2534.1	2534.1
22.5°	2467.7	2492.2	2516.8	2516.9	2509.0	2494.2	2472.7	2454.7	2447.4	2440.1	2447.4
25°	2406.4	2430.3	2454.1	2443.0	2420.3	2386.8	2342.5	2305.1	2288.0	2271.0	2288.0
27.5°	2334.9	2354.2	2373.5	2344.6	2299.6	2245.7	2182.8	2129.7	2106.1	2082.5	2106.1
30°	2283.8	2298.5	2313.3	2267.6	2201.8	2134.2	2064.9	2007.3	1984.6	1961.9	1984.6
32.5°	2230.7	2236.3	2242.0	2181.8	2099.6	2022.5	1950.5	1890.4	1865.9	1841.3	1865.9
35°	2143.3	2133.1	2122.9	2042.8	1939.5	1851.5	1778.8	1718.9	1697.4	1675.8	1697.4
37.5°	2040.1	2009.7	1979.2	1889.0	1778.9	1685.8	1609.7	1546.7	1522.9	1499.0	1522.9
40°	1964.5	1921.3	1878.2	1781.4	1666.7	1571.3	1495.3	1432.3	1408.4	1384.6	1408.4
42.5°	1880.7	1826.6	1772.6	1673.1	1558.4	1463.0	1387.0	1323.7	1299.0	1274.2	1299.0
45°	1742.2	1678.6	1615.1	1511.5	1394.5	1299.1	1225.3	1164.0	1140.2	1116.3	1140.2
47.5°	1586.4	1523.3	1460.1	1356.8	1240.1	1146.0	1074.5	1015.7	995.3	974.8	995.3
50°	1474.0	1412.7	1351.4	1252.6	1141.3	1049.9	978.4	918.5	893.5	868.6	893.5
52.5°	1359.5	1304.6	1249.6	1154.5	1046.0	955.0	881.7	818.1	784.1	750.0	784.1
55°	1203.2	1151.0	1098.8	1009.1	906.9	814.9	733.2	667.0	647.7	628.4	647.7
57.5°	1042.3	997.1	951.9	871.3	778.9	695.5	621.3	561.6	545.7	529.8	545.7
60°	940.1	900.3	860.6	783.4	693.7	617.6	555.2	504.4	488.5	472.6	488.5
62.5°	842.0	806.8	771.6	697.6	610.6	542.3	492.5	451.9	438.8	425.6	438.8
65°	694.8	668.7	642.6	581.6	508.9	452.2	411.3	377.8	366.4	355.1	366.4
67.5°	551.8	537.3	522.7	477.0	420.9	375.0	339.1	310.3	302.8	295.3	302.8
70°	459.8	455.3	450.7	413.0	364.2	325.0	295.5	271.9	266.2	260.6	266.2
72.5°	380.1	381.9	383.8	352.4	309.9	277.1	253.9	235.6	231.7	227.9	231.7
75°	270.8	279.9	289.0	268.2	237.6	214.3	198.4	185.9	183.6	181.4	183.6
77.5°	184.4	198.1	211.7	198.2	175.8	158.6	146.8	137.5	135.7	133.9	135.7
80°	135.4	149.0	162.6	153.3	136.2	123.2	114.1	107.3	107.3	107.3	107.3
82.5°	94.5	105.4	116.3	109.7	97.2	88.7	84.1	80.7	80.7	80.7	80.7
85°	46.0	51.7	57.3	55.3	50.8	45.1	38.3	32.9	31.8	30.7	31.8
87.5°	12.9	16.5	20.2	18.4	14.5	11.9	11.0	10.6	10.8	10.8	10.8
90°	3.2	7.4	12.7	16.9	20.1	21.1	21.1	22.2	23.2	23.2	23.2
92.5°	11.6	18.4	18.6	18.6	22.6	24.5	26.2	26.4	27.5	27.5	27.5
95°	32.8	35.9	53.9	52.8	35.9	28.5	24.3	24.3	24.3	24.3	24.3
97.5°	62.6	67.2	70.2	94.0	99.3	95.9	78.2	65.7	58.8	55.6	58.8
100°	88.8	90.9	97.2	98.3	124.7	150.0	137.4	121.5	116.2	113.1	116.2
102.5°	115.0	116.2	126.0	130.4	136.5	150.9	194.9	190.0	186.4	185.8	186.4
105°	154.3	155.3	173.3	181.7	186.0	186.0	184.9	206.1	239.9	247.3	239.9
107.5°	196.3	201.2	222.3	244.9	249.8	251.1	245.6	242.4	241.1	242.0	241.1
110°	225.1	232.5	257.8	286.4	293.8	295.9	293.8	290.6	288.5	288.5	288.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	253.0	263.7	292.5	325.2	337.7	344.1	339.4	337.1	335.0	336.7	335.0
115°	295.9	311.7	349.8	383.6	408.9	412.1	411.0	411.0	410.0	410.0	410.0
117.5°	335.6	361.0	403.7	443.0	472.3	480.8	485.0	483.7	482.5	484.6	482.5
120°	363.5	393.1	441.7	486.1	514.6	527.3	531.5	529.4	531.5	529.4	531.5
122.5°	393.1	429.4	477.2	523.3	556.9	571.2	576.3	576.7	577.2	575.9	577.2
125°	437.5	481.8	537.8	585.4	620.3	637.2	641.4	642.5	644.6	649.9	644.6
127.5°	482.3	532.6	594.1	639.9	675.6	696.1	702.7	705.0	709.5	711.8	709.5
130°	513.5	570.6	632.9	676.3	711.1	733.3	745.0	748.1	753.4	752.4	753.4
132.5°	546.5	606.1	669.3	714.3	746.6	770.5	780.5	789.5	791.5	792.9	791.5
135°	594.9	659.4	722.8	767.1	797.8	821.0	833.7	842.2	847.5	850.6	847.5
137.5°	645.8	713.9	774.8	814.3	845.1	865.2	879.6	888.5	893.9	896.5	893.9
140°	680.5	746.0	805.2	846.4	873.9	893.9	906.6	917.2	923.5	923.5	923.5
142.5°	713.5	778.1	835.6	876.8	900.9	919.3	932.8	940.9	948.0	948.0	948.0
145°	759.7	824.2	877.0	918.3	938.3	955.2	970.0	976.4	980.6	980.6	980.6
147.5°	808.1	865.2	913.4	952.9	969.8	989.7	1001.3	1006.4	1011.7	1009.3	1011.7
150°	836.9	889.7	936.2	973.2	990.1	1009.1	1020.7	1025.0	1030.3	1027.1	1030.3
152.5°	864.8	915.1	957.3	991.8	1006.2	1025.2	1038.5	1042.7	1046.3	1044.0	1046.3
155°	902.4	946.8	985.9	1017.6	1030.3	1048.2	1060.9	1066.2	1070.4	1065.1	1070.4
157.5°	936.0	974.3	1008.3	1037.4	1051.0	1066.4	1078.2	1084.8	1089.0	1086.7	1089.0
160°	956.3	991.2	1021.8	1049.3	1062.0	1075.7	1088.4	1095.8	1100.0	1096.8	1100.0
162.5°	973.2	1004.7	1033.6	1058.6	1069.6	1081.6	1096.8	1103.4	1107.6	1103.6	1107.6
165°	997.5	1022.9	1048.2	1069.4	1078.9	1088.4	1104.2	1111.6	1114.8	1110.6	1114.8
167.5°	1015.9	1035.3	1055.8	1074.0	1081.0	1090.3	1106.1	1112.3	1116.3	1111.0	1116.3
170°	1026.0	1042.9	1060.9	1075.7	1081.0	1089.4	1105.3	1110.6	1113.7	1108.5	1113.7
172.5°	1034.5	1047.2	1061.7	1074.9	1077.6	1084.4	1099.4	1104.6	1107.0	1102.5	1107.0
175°	1042.9	1050.3	1060.9	1069.4	1068.3	1072.5	1085.2	1089.4	1093.7	1087.3	1093.7
177.5°	1047.0	1050.3	1053.7	1058.8	1055.4	1055.4	1064.7	1067.2	1068.1	1064.7	1068.1
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3
2.5°	2678.9	2677.5	2676.6	2681.2	2691.2	2694.8	2679.4	2663.9	2679.4	2694.8	2691.2
5°	2679.7	2676.3	2675.2	2679.7	2690.0	2692.8	2673.5	2654.2	2673.5	2692.8	2690.0
7.5°	2678.7	2673.3	2669.4	2671.3	2679.1	2680.0	2660.4	2640.9	2660.4	2680.0	2679.1
10°	2674.4	2667.8	2662.1	2662.7	2669.5	2669.5	2649.1	2628.7	2649.1	2669.5	2669.5
12.5°	2666.2	2659.0	2652.4	2651.6	2656.6	2655.0	2633.7	2612.3	2633.7	2655.0	2656.6
15°	2645.4	2638.0	2630.1	2626.7	2627.8	2623.0	2600.3	2577.6	2600.3	2623.0	2627.8
17.5°	2590.0	2587.8	2585.7	2585.5	2587.1	2582.6	2559.9	2537.2	2559.9	2582.6	2587.1
20°	2534.1	2540.1	2548.0	2553.7	2557.1	2554.0	2531.3	2508.6	2531.3	2554.0	2557.1
22.5°	2454.7	2472.7	2494.2	2509.0	2516.9	2516.8	2492.2	2467.7	2492.2	2516.8	2516.9
25°	2305.1	2342.5	2386.8	2420.3	2443.0	2454.1	2430.3	2406.4	2430.3	2454.1	2443.0
27.5°	2129.7	2182.8	2245.7	2299.6	2344.6	2373.5	2354.2	2334.9	2354.2	2373.5	2344.6
30°	2007.3	2064.9	2134.2	2201.8	2267.6	2313.3	2298.5	2283.8	2298.5	2313.3	2267.6
32.5°	1890.4	1950.5	2022.5	2099.6	2181.8	2242.0	2236.3	2230.7	2236.3	2242.0	2181.8
35°	1718.9	1778.8	1851.5	1939.5	2042.8	2122.9	2133.1	2143.3	2133.1	2122.9	2042.8
37.5°	1546.7	1609.7	1685.8	1778.9	1889.0	1979.2	2009.7	2040.1	2009.7	1979.2	1889.0
40°	1432.3	1495.3	1571.3	1666.7	1781.4	1878.2	1921.3	1964.5	1921.3	1878.2	1781.4
42.5°	1323.7	1387.0	1463.0	1558.4	1673.1	1772.6	1826.6	1880.7	1826.6	1772.6	1673.1
45°	1164.0	1225.3	1299.1	1394.5	1511.5	1615.1	1678.6	1742.2	1678.6	1615.1	1511.5
47.5°	1015.7	1074.5	1146.0	1240.1	1356.8	1460.1	1523.3	1586.4	1523.3	1460.1	1356.8
50°	918.5	978.4	1049.9	1141.3	1252.6	1351.4	1412.7	1474.0	1412.7	1351.4	1252.6
52.5°	818.1	881.7	955.0	1046.0	1154.5	1249.6	1304.6	1359.5	1304.6	1249.6	1154.5
55°	667.0	733.2	814.9	906.9	1009.1	1098.8	1151.0	1203.2	1151.0	1098.8	1009.1
57.5°	561.6	621.3	695.5	778.9	871.3	951.9	997.1	1042.3	997.1	951.9	871.3
60°	504.4	555.2	617.6	693.7	783.4	860.6	900.3	940.1	900.3	860.6	783.4
62.5°	451.9	492.5	542.3	610.6	697.6	771.6	806.8	842.0	806.8	771.6	697.6
65°	377.8	411.3	452.2	508.9	581.6	642.6	668.7	694.8	668.7	642.6	581.6
67.5°	310.3	339.1	375.0	420.9	477.0	522.7	537.3	551.8	537.3	522.7	477.0
70°	271.9	295.5	325.0	364.2	413.0	450.7	455.3	459.8	455.3	450.7	413.0
72.5°	235.6	253.9	277.1	309.9	352.4	383.8	381.9	380.1	381.9	383.8	352.4
75°	185.9	198.4	214.3	237.6	268.2	289.0	279.9	270.8	279.9	289.0	268.2
77.5°	137.5	146.8	158.6	175.8	198.2	211.7	198.1	184.4	198.1	211.7	198.2
80°	107.3	114.1	123.2	136.2	153.3	162.6	149.0	135.4	149.0	162.6	153.3
82.5°	80.7	84.1	88.7	97.2	109.7	116.3	105.4	94.5	105.4	116.3	109.7
85°	32.9	38.3	45.1	50.8	55.3	57.3	51.7	46.0	51.7	57.3	55.3
87.5°	10.6	11.0	11.9	14.5	18.4	20.2	16.5	12.9	16.5	20.0	18.8
90°	22.2	21.1	21.1	20.1	16.9	12.7	7.4	3.2	7.4	11.6	19.0
92.5°	26.4	26.2	24.5	22.6	18.6	18.6	18.4	11.6	20.1	28.5	41.0
95°	24.3	24.3	28.5	35.9	52.8	53.9	35.9	32.8	46.5	65.5	82.4
97.5°	65.7	78.2	95.9	99.3	94.0	70.2	67.2	62.6	85.2	104.0	131.2
100°	121.5	137.4	150.0	124.7	98.3	97.2	90.9	88.8	113.1	131.0	157.4
102.5°	190.0	194.9	150.9	136.5	130.4	126.0	116.2	115.0	139.3	164.0	186.2
105°	206.1	184.9	186.0	186.0	181.7	173.3	155.3	154.3	181.7	210.3	237.8
107.5°	242.4	245.6	251.1	249.8	244.9	222.3	201.2	196.3	221.1	255.3	285.5
110°	290.6	293.8	295.9	293.8	286.4	257.8	232.5	225.1	247.3	283.2	315.9



TEST NUMBER: P1428418

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	337.1	339.4	344.1	337.7	325.2	292.5	263.7	253.0	275.2	311.9	345.5
115°	411.0	411.0	412.1	408.9	383.6	349.8	311.7	295.9	314.9	348.7	385.7
117.5°	483.7	485.0	480.8	472.3	443.0	403.7	361.0	335.6	350.6	386.3	424.4
120°	529.4	531.5	527.3	514.6	486.1	441.7	393.1	363.5	375.1	410.0	448.0
122.5°	576.7	576.3	571.2	556.9	523.3	477.2	429.4	393.1	397.9	430.3	467.5
125°	642.5	641.4	637.2	620.3	585.4	537.8	481.8	437.5	431.1	458.6	496.6
127.5°	705.0	702.7	696.1	675.6	639.9	594.1	532.6	482.3	468.1	485.4	520.3
130°	748.1	745.0	733.3	711.1	676.3	632.9	570.6	513.5	493.5	504.0	534.7
132.5°	789.5	780.5	770.5	746.6	714.3	669.3	606.1	546.5	518.8	523.5	547.4
135°	842.2	833.7	821.0	797.8	767.1	722.8	659.4	594.9	556.9	552.6	566.4
137.5°	888.5	879.6	865.2	845.1	814.3	774.8	713.9	645.8	597.9	583.7	589.0
140°	917.2	906.6	893.9	873.9	846.4	805.2	746.0	680.5	626.6	606.5	603.4
142.5°	940.9	932.8	919.3	900.9	876.8	835.6	778.1	713.5	656.2	630.2	622.8
145°	976.4	970.0	955.2	938.3	918.3	877.0	824.2	759.7	702.7	668.9	653.0
147.5°	1006.4	1001.3	989.7	969.8	952.9	913.4	865.2	808.1	749.6	707.8	687.3
150°	1025.0	1020.7	1009.1	990.1	973.2	936.2	889.7	836.9	780.9	736.5	710.1
152.5°	1042.7	1038.5	1025.2	1006.2	991.8	957.3	915.1	864.8	807.9	763.6	736.3
155°	1066.2	1060.9	1048.2	1030.3	1017.6	985.9	946.8	902.4	853.8	807.3	776.7
157.5°	1084.8	1078.2	1066.4	1051.0	1037.4	1008.3	974.3	936.0	893.5	849.1	817.9
160°	1095.8	1088.4	1075.7	1062.0	1049.3	1021.8	991.2	956.3	917.2	877.0	843.2
162.5°	1103.4	1096.8	1081.6	1069.6	1058.6	1033.6	1004.7	973.2	938.3	903.2	872.0
165°	1111.6	1104.2	1088.4	1078.9	1069.4	1048.2	1022.9	997.5	967.9	939.4	914.0
167.5°	1112.3	1106.1	1090.3	1081.0	1074.0	1055.8	1035.3	1015.9	992.9	970.5	949.3
170°	1110.6	1105.3	1089.4	1081.0	1075.7	1060.9	1042.9	1026.0	1008.1	989.0	972.1
172.5°	1104.6	1099.4	1084.4	1077.6	1074.9	1061.7	1047.2	1034.5	1019.1	1005.1	991.6
175°	1089.4	1085.2	1072.5	1068.3	1069.4	1060.9	1050.3	1042.9	1033.4	1025.0	1017.6
177.5°	1067.2	1064.7	1055.4	1055.4	1058.8	1053.7	1050.3	1047.0	1042.7	1040.2	1037.7
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1428418

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3	2682.3
2.5°	2681.2	2676.6	2677.5	2678.9	2681.6	2684.3	2681.6	2678.9	2677.5	2676.6	2681.2
5°	2679.7	2675.2	2676.3	2679.7	2690.0	2700.2	2690.0	2679.7	2676.3	2675.2	2679.7
7.5°	2671.3	2669.4	2673.3	2678.7	2688.7	2698.7	2688.7	2678.7	2673.3	2669.4	2671.3
10°	2662.7	2662.1	2667.8	2674.4	2683.4	2692.5	2683.4	2674.4	2667.8	2662.1	2662.7
12.5°	2651.6	2652.4	2659.0	2666.2	2675.3	2684.3	2675.3	2666.2	2659.0	2652.4	2651.6
15°	2626.7	2630.1	2638.0	2645.4	2651.1	2656.8	2651.1	2645.4	2638.0	2630.1	2626.7
17.5°	2585.5	2585.7	2587.8	2590.0	2592.7	2595.4	2592.7	2590.0	2587.8	2585.7	2585.5
20°	2553.7	2548.0	2540.1	2534.1	2534.1	2534.1	2534.1	2534.1	2540.1	2548.0	2553.7
22.5°	2509.0	2494.2	2472.7	2454.7	2447.4	2440.1	2447.4	2454.7	2472.7	2494.2	2509.0
25°	2420.3	2386.8	2342.5	2305.1	2288.0	2271.0	2288.0	2305.1	2342.5	2386.8	2420.3
27.5°	2299.6	2245.7	2182.8	2129.7	2106.1	2082.5	2106.1	2129.7	2182.8	2245.7	2299.6
30°	2201.8	2134.2	2064.9	2007.3	1984.6	1961.9	1984.6	2007.3	2064.9	2134.2	2201.8
32.5°	2099.6	2022.5	1950.5	1890.4	1865.9	1841.3	1865.9	1890.4	1950.5	2022.5	2099.6
35°	1939.5	1851.5	1778.8	1718.9	1697.4	1675.8	1697.4	1718.9	1778.8	1851.5	1939.5
37.5°	1778.9	1685.8	1609.7	1546.7	1522.9	1499.0	1522.9	1546.7	1609.7	1685.8	1778.9
40°	1666.7	1571.3	1495.3	1432.3	1408.4	1384.6	1408.4	1432.3	1495.3	1571.3	1666.7
42.5°	1558.4	1463.0	1387.0	1323.7	1299.0	1274.2	1299.0	1323.7	1387.0	1463.0	1558.4
45°	1394.5	1299.1	1225.3	1164.0	1140.2	1116.3	1140.2	1164.0	1225.3	1299.1	1394.5
47.5°	1240.1	1146.0	1074.5	1015.7	995.3	974.8	995.3	1015.7	1074.5	1146.0	1240.1
50°	1141.3	1049.9	978.4	918.5	893.5	868.6	893.5	918.5	978.4	1049.9	1141.3
52.5°	1046.0	955.0	881.7	818.1	784.1	750.0	784.1	818.1	881.7	955.0	1046.0
55°	906.9	814.9	733.2	667.0	647.7	628.4	647.7	667.0	733.2	814.9	906.9
57.5°	778.9	695.5	621.3	561.6	545.7	529.8	545.7	561.6	621.3	695.5	778.9
60°	693.7	617.6	555.2	504.4	488.5	472.6	488.5	504.4	555.2	617.6	693.7
62.5°	610.6	542.3	492.5	451.9	438.8	425.6	438.8	451.9	492.5	542.3	610.6
65°	508.9	452.2	411.3	377.8	366.4	355.1	366.4	377.8	411.3	452.2	508.9
67.5°	420.9	375.0	339.1	310.3	302.8	295.3	302.8	310.3	339.1	375.0	420.9
70°	364.2	325.0	295.5	271.9	266.2	260.6	266.2	271.9	295.5	325.0	364.2
72.5°	309.9	277.1	253.9	235.6	231.7	227.9	231.7	235.6	253.9	277.1	309.9
75°	237.6	214.3	198.4	185.9	183.6	181.4	183.6	185.9	198.4	214.3	237.6
77.5°	175.8	158.6	146.8	137.5	135.7	133.9	135.7	137.5	146.8	158.6	175.8
80°	136.2	123.2	114.1	107.3	107.3	107.3	107.3	107.3	114.1	123.2	136.2
82.5°	97.2	88.7	84.1	80.7	80.7	80.7	80.7	80.7	84.1	88.7	97.2
85°	50.8	45.1	38.3	32.9	31.8	30.7	31.8	32.9	38.3	45.1	50.8
87.5°	15.3	14.1	14.6	14.8	15.6	15.2	15.6	14.8	14.6	14.1	15.3
90°	24.3	31.7	39.1	43.3	47.6	45.4	47.6	43.3	39.1	31.7	24.3
92.5°	48.8	61.3	70.4	78.0	81.4	80.9	81.4	78.0	70.4	61.3	48.8
95°	98.3	113.1	127.9	138.4	144.8	142.7	144.8	138.4	127.9	113.1	98.3
97.5°	151.5	171.4	187.9	197.8	204.1	208.4	204.1	197.8	187.9	171.4	151.5
100°	187.0	206.1	225.1	236.7	247.3	251.5	247.3	236.7	225.1	206.1	187.0
102.5°	215.8	240.7	261.4	273.9	282.8	287.0	282.8	273.9	261.4	240.7	215.8
105°	263.1	289.5	311.7	327.6	337.1	340.2	337.1	327.6	311.7	289.5	263.1
107.5°	310.5	337.7	358.2	375.8	387.4	394.1	387.4	375.8	358.2	337.7	310.5
110°	347.6	369.8	392.0	407.9	419.5	423.7	419.5	407.9	392.0	369.8	347.6



TEST NUMBER: P1428418

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	378.9	403.7	425.8	441.7	455.0	460.9	455.0	441.7	425.8	403.7	378.9
115°	422.7	455.4	475.5	490.3	499.8	505.1	499.8	490.3	475.5	455.4	422.7
117.5°	459.0	493.3	515.2	526.6	531.1	534.9	531.1	526.6	515.2	493.3	459.0
120°	481.8	513.5	538.9	553.7	559.0	561.1	559.0	553.7	538.9	513.5	481.8
122.5°	503.0	533.0	557.5	575.7	584.3	586.5	584.3	575.7	557.5	533.0	503.0
125°	532.6	561.1	586.5	604.4	613.9	619.2	613.9	604.4	586.5	561.1	532.6
127.5°	558.3	589.2	612.4	628.7	638.0	642.2	638.0	628.7	612.4	589.2	558.3
130°	572.7	604.4	627.7	645.6	654.1	658.3	654.1	645.6	627.7	604.4	572.7
132.5°	583.7	617.1	641.2	657.5	666.8	671.0	666.8	657.5	641.2	617.1	583.7
135°	597.0	631.9	657.3	673.1	681.6	685.8	681.6	673.1	657.3	631.9	597.0
137.5°	608.6	640.3	666.8	683.5	691.1	693.8	691.1	683.5	666.8	640.3	608.6
140°	617.1	644.6	671.0	686.8	695.3	696.3	695.3	686.8	671.0	644.6	617.1
142.5°	628.1	649.6	672.7	688.5	697.0	698.9	697.0	688.5	672.7	649.6	628.1
145°	647.7	660.4	676.3	691.1	698.5	700.6	698.5	691.1	676.3	660.4	647.7
147.5°	672.5	676.5	684.7	694.4	701.6	703.1	701.6	694.4	684.7	676.5	672.5
150°	691.1	690.0	693.2	699.5	705.9	704.8	705.9	699.5	693.2	690.0	691.1
152.5°	712.2	706.1	705.9	708.8	711.8	711.6	711.8	708.8	705.9	706.1	712.2
155°	748.1	736.5	730.2	728.0	728.0	727.0	728.0	728.0	730.2	736.5	748.1
157.5°	787.6	771.4	761.9	756.8	755.3	753.0	755.3	756.8	761.9	771.4	787.6
160°	814.7	796.7	787.2	778.8	775.6	772.4	775.6	778.8	787.2	796.7	814.7
162.5°	840.1	822.9	812.6	805.0	801.8	796.9	801.8	805.0	812.6	822.9	840.1
165°	881.3	863.3	851.7	845.3	841.1	836.9	841.1	845.3	851.7	863.3	881.3
167.5°	922.5	902.8	895.2	888.0	884.0	876.4	884.0	888.0	895.2	902.8	922.5
170°	947.8	929.9	925.6	919.3	911.9	903.5	911.9	919.3	925.6	929.9	947.8
172.5°	969.8	957.8	953.5	947.2	944.9	938.1	944.9	947.2	953.5	957.8	969.8
175°	1001.7	992.2	992.2	991.2	988.0	981.7	988.0	991.2	992.2	992.2	1001.7
177.5°	1028.4	1023.3	1026.7	1026.7	1025.8	1019.9	1025.8	1026.7	1026.7	1023.3	1028.4
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1428418

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2682.3	2682.3	2682.3	2682.3
2.5°	2691.2	2694.8	2679.4	2663.9
5°	2690.0	2692.8	2673.5	2654.2
7.5°	2679.1	2680.0	2660.4	2640.9
10°	2669.5	2669.5	2649.1	2628.7
12.5°	2656.6	2655.0	2633.7	2612.3
15°	2627.8	2623.0	2600.3	2577.6
17.5°	2587.1	2582.6	2559.9	2537.2
20°	2557.1	2554.0	2531.3	2508.6
22.5°	2516.9	2516.8	2492.2	2467.7
25°	2443.0	2454.1	2430.3	2406.4
27.5°	2344.6	2373.5	2354.2	2334.9
30°	2267.6	2313.3	2298.5	2283.8
32.5°	2181.8	2242.0	2236.3	2230.7
35°	2042.8	2122.9	2133.1	2143.3
37.5°	1889.0	1979.2	2009.7	2040.1
40°	1781.4	1878.2	1921.3	1964.5
42.5°	1673.1	1772.6	1826.6	1880.7
45°	1511.5	1615.1	1678.6	1742.2
47.5°	1356.8	1460.1	1523.3	1586.4
50°	1252.6	1351.4	1412.7	1474.0
52.5°	1154.5	1249.6	1304.6	1359.5
55°	1009.1	1098.8	1151.0	1203.2
57.5°	871.3	951.9	997.1	1042.3
60°	783.4	860.6	900.3	940.1
62.5°	697.6	771.6	806.8	842.0
65°	581.6	642.6	668.7	694.8
67.5°	477.0	522.7	537.3	551.8
70°	413.0	450.7	455.3	459.8
72.5°	352.4	383.8	381.9	380.1
75°	268.2	289.0	279.9	270.8
77.5°	198.2	211.7	198.1	184.4
80°	153.3	162.6	149.0	135.4
82.5°	109.7	116.3	105.4	94.5
85°	55.3	57.3	51.7	46.0
87.5°	18.8	20.0	16.5	12.9
90°	19.0	11.6	7.4	3.2
92.5°	41.0	28.5	20.1	11.6
95°	82.4	65.5	46.5	32.8
97.5°	131.2	104.0	85.2	62.6
100°	157.4	131.0	113.1	88.8
102.5°	186.2	164.0	139.3	115.0
105°	237.8	210.3	181.7	154.3
107.5°	285.5	255.3	221.1	196.3
110°	315.9	283.2	247.3	225.1



TEST NUMBER: P1428418

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	345.5	311.9	275.2	253.0
115°	385.7	348.7	314.9	295.9
117.5°	424.4	386.3	350.6	335.6
120°	448.0	410.0	375.1	363.5
122.5°	467.5	430.3	397.9	393.1
125°	496.6	458.6	431.1	437.5
127.5°	520.3	485.4	468.1	482.3
130°	534.7	504.0	493.5	513.5
132.5°	547.4	523.5	518.8	546.5
135°	566.4	552.6	556.9	594.9
137.5°	589.0	583.7	597.9	645.8
140°	603.4	606.5	626.6	680.5
142.5°	622.8	630.2	656.2	713.5
145°	653.0	668.9	702.7	759.7
147.5°	687.3	707.8	749.6	808.1
150°	710.1	736.5	780.9	836.9
152.5°	736.3	763.6	807.9	864.8
155°	776.7	807.3	853.8	902.4
157.5°	817.9	849.1	893.5	936.0
160°	843.2	877.0	917.2	956.3
162.5°	872.0	903.2	938.3	973.2
165°	914.0	939.4	967.9	997.5
167.5°	949.3	970.5	992.9	1015.9
170°	972.1	989.0	1008.1	1026.0
172.5°	991.6	1005.1	1019.1	1034.5
175°	1017.6	1025.0	1033.4	1042.9
177.5°	1037.7	1040.2	1042.7	1047.0
180°	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1428418
 CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L940-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	21.40	22.37	22.21	23.20	24.22	17.64	18.62	18.46	19.45	20.47
	3H	22.71	23.58	23.53	24.42	25.47	18.92	19.79	19.75	20.63	21.69
	4H	23.12	23.94	23.97	24.79	25.85	19.43	20.25	20.28	21.10	22.16
	6H	23.31	24.06	24.16	24.92	25.99	19.75	20.50	20.60	21.36	22.43
	8H	23.35	24.07	24.22	24.94	26.02	19.87	20.58	20.73	21.46	22.53
	12H	23.36	24.04	24.23	24.91	26.01	19.90	20.58	20.77	21.45	22.55
4H	2H	21.54	22.36	22.39	23.21	24.27	18.47	19.29	19.32	20.13	21.20
	3H	23.09	23.77	23.95	24.65	25.73	19.93	20.60	20.79	21.48	22.56
	4H	23.64	24.26	24.51	25.14	26.24	20.51	21.12	21.38	22.00	23.11
	6H	23.96	24.49	24.85	25.39	26.50	20.90	21.43	21.79	22.33	23.44
	8H	24.05	24.55	24.94	25.44	26.57	21.05	21.55	21.94	22.44	23.56
	12H	24.08	24.52	24.99	25.44	26.57	21.10	21.54	22.01	22.46	23.59
8H	4H	23.69	24.18	24.58	25.08	26.20	20.86	21.35	21.75	22.25	23.37
	6H	24.11	24.52	25.03	25.46	26.58	21.36	21.77	22.27	22.70	23.83
	8H	24.29	24.65	25.21	25.58	26.72	21.57	21.94	22.50	22.87	24.01
	12H	24.37	24.69	25.30	25.61	26.80	21.66	21.98	22.59	22.90	24.10
12H	4H	23.65	24.10	24.56	25.01	26.14	20.88	21.33	21.79	22.24	23.37
	6H	24.11	24.47	25.04	25.40	26.54	21.43	21.79	22.36	22.73	23.86
	8H	24.30	24.62	25.23	25.54	26.74	21.68	22.00	22.61	22.92	24.11