

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: P1428133

Luminaire Tested: SQ2W-PP3-K-150U-050D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428133
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-150U-050D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE PRISM LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

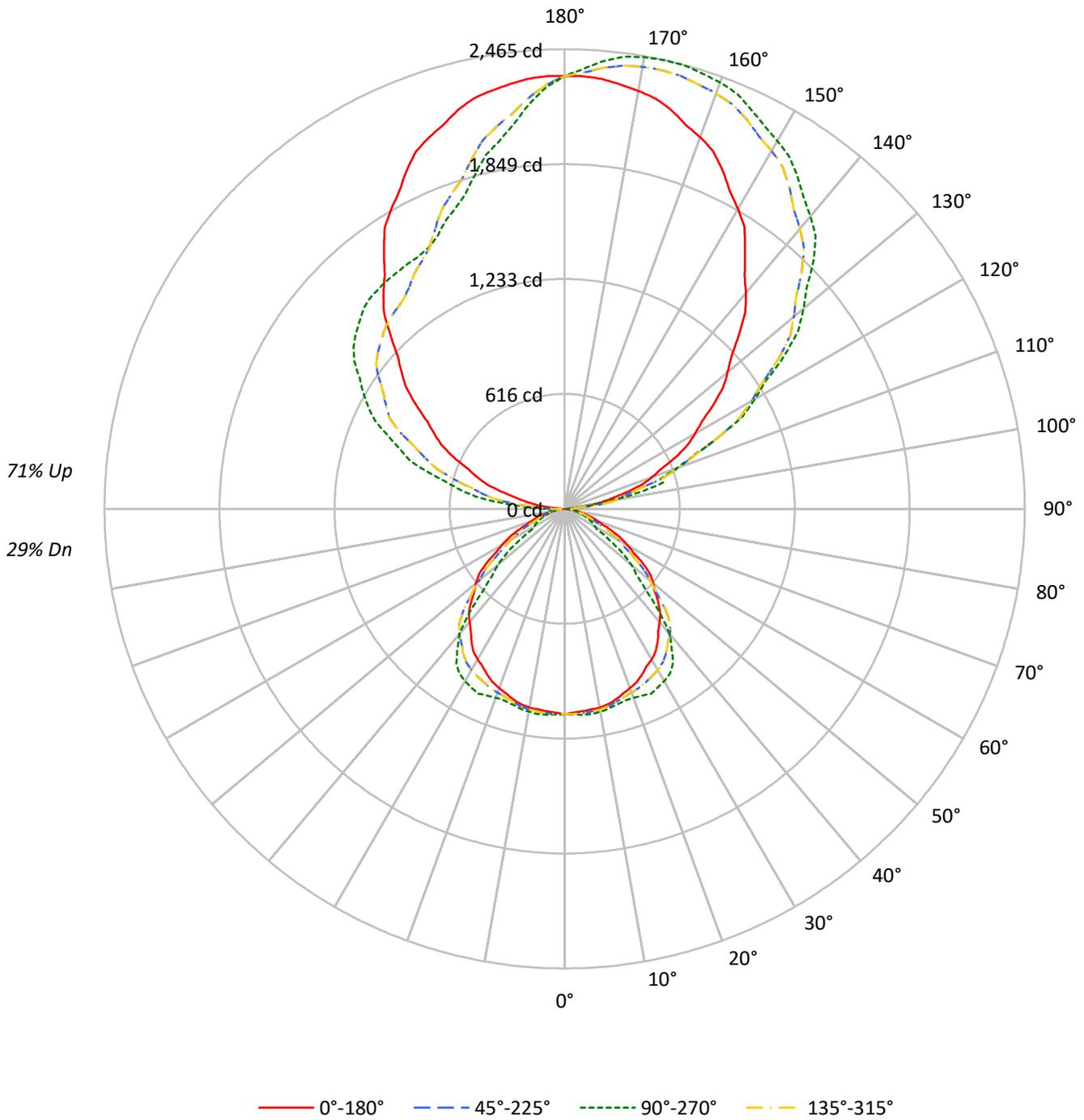
Lumens per Lamp: N/A
Luminaire Lumens: 9562.3 lumens
Efficiency: N/A
Efficacy: 131.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 72.9
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	102	102	102	102	92	92	92	92	72	72	72	54	54	54	37	37	37	29
1	93	89	86	82	84	80	77	74	63	61	59	48	46	45	33	32	32	25
2	85	78	73	68	76	70	66	61	56	52	49	42	40	38	29	28	27	22
3	78	69	62	57	70	62	56	52	49	45	42	37	35	32	26	25	23	19
4	71	61	54	48	64	55	49	44	44	39	36	33	30	28	24	22	20	16
5	65	54	47	41	58	49	42	38	39	34	31	30	27	24	21	19	18	14
6	60	49	41	35	54	44	37	33	35	30	27	27	24	21	19	17	16	12
7	56	44	36	31	50	40	33	28	32	27	24	25	21	19	18	16	14	11
8	51	40	32	27	46	36	30	25	29	24	21	22	19	17	16	14	12	10
9	48	36	29	24	43	33	27	22	26	22	19	21	17	15	15	13	11	9
10	45	33	26	21	40	30	24	20	24	20	17	19	16	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17800	17800	17800	17800
5°	17661	17982	17661	17982
10°	17750	18113	17750	18113
15°	17708	18156	17708	18156
20°	17580	18522	17580	18522
25°	17482	19495	17482	19495
30°	17381	19902	17381	19902
35°	17136	19939	17136	19939
40°	16678	18423	16678	18423
45°	16180	14024	16180	14024
50°	15543	11680	15543	11680
55°	14466	8397	14466	8397
60°	12458	6022	12458	6022
65°	10506	5922	10506	5922
70°	8747	5665	8747	5665
75°	7417	5309	7417	5309
80°	6285	4770	6285	4770
85°	4965	2593	4965	2593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 17698 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.0	1.1
10°-20°	303.8	3.2
20°-30°	476.0	5.0
30°-40°	587.2	6.1
40°-50°	552.8	5.8
50°-60°	391.4	4.1
60°-70°	223.0	2.3
70°-80°	110.4	1.2
80°-90°	36.6	0.4
90°-100°	184.7	1.9
100°-110°	538.6	5.6
110°-120°	879.0	9.2
120°-130°	1115.4	11.7
130°-140°	1193.5	12.5
140°-150°	1114.5	11.7
150°-160°	917.1	9.6
160°-170°	615.0	6.4
170°-180°	218.4	2.3
0°-30°	884.8	9.3
0°-40°	1471.9	15.4
0°-60°	2416.1	25.3
0°-90°	2786.2	29.1
90°-120°	1602.3	16.8
90°-150°	5025.7	52.6
90°-180°	6776.0	70.9
0°-180°	9562.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1102	1102	1102	1102	1102	
5°	1090	1110	1090	1110	1090	104
15°	1059	1086	1059	1086	1059	299
25°	981	1094	981	1094	981	452
35°	869	1012	869	1012	869	542
45°	709	614	709	614	709	545
55°	514	298	514	298	514	453
65°	275	155	275	155	275	276
75°	119	85	119	85	119	129
85°	27	14	27	14	27	32
90°	7	52	7	101	7	7
95°	73	54	73	316	73	88
105°	342	548	342	755	342	364
115°	656	910	656	1120	656	647
125°	970	1442	970	1374	970	868
135°	1320	1887	1320	1521	1320	1020
145°	1686	2175	1686	1554	1686	1055
155°	2002	2363	2002	1613	2002	920
165°	2213	2464	2213	1857	2213	623
175°	2314	2412	2314	2178	2314	220
180°	2321	2321	2321	2321	2321	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5
2.5°	1094.1	1101.1	1108.2	1106.5	1102.0	1100.1	1100.9	1101.8	1102.6	1103.4	1102.6
5°	1089.7	1098.5	1107.3	1106.0	1101.3	1099.5	1100.5	1102.2	1105.8	1109.5	1105.8
7.5°	1085.5	1094.5	1103.5	1102.3	1097.8	1096.4	1098.1	1100.6	1105.0	1109.5	1105.0
10°	1082.7	1090.4	1098.2	1097.0	1092.9	1092.1	1094.7	1097.6	1101.2	1104.8	1101.2
12.5°	1074.3	1081.6	1089.0	1088.0	1084.3	1084.1	1087.6	1090.9	1094.1	1097.4	1094.1
15°	1059.4	1066.1	1072.8	1073.0	1070.9	1072.2	1076.8	1081.0	1083.6	1086.2	1083.6
17.5°	1039.1	1047.3	1055.4	1057.3	1057.1	1060.3	1067.0	1072.6	1075.3	1078.0	1075.3
20°	1023.2	1033.1	1042.9	1046.2	1047.2	1051.8	1060.1	1067.6	1072.8	1078.0	1072.8
22.5°	1006.4	1017.9	1029.4	1033.7	1035.6	1042.7	1055.2	1066.7	1075.6	1084.5	1075.6
25°	981.3	992.7	1004.1	1012.4	1019.6	1032.3	1050.4	1067.4	1080.9	1094.3	1080.9
27.5°	951.9	963.2	974.5	988.7	1004.0	1021.8	1042.2	1060.2	1070.8	1081.5	1070.8
30°	932.3	943.2	954.1	970.4	988.5	1008.2	1029.4	1047.8	1057.7	1067.5	1057.7
32.5°	908.1	919.4	930.7	948.0	967.4	988.5	1011.4	1030.8	1039.9	1048.9	1039.9
35°	869.4	880.3	891.2	911.4	934.7	958.2	982.1	1001.2	1006.4	1011.6	1006.4
37.5°	824.9	837.2	849.5	872.2	898.3	918.0	931.4	941.5	941.8	942.1	941.8
40°	791.3	807.4	823.4	846.1	871.0	884.7	887.3	887.5	880.8	874.1	880.8
42.5°	758.7	779.3	799.9	818.1	835.5	839.1	828.8	813.7	783.7	753.8	783.7
45°	708.6	732.9	757.3	768.4	775.1	752.3	700.0	655.6	634.9	614.2	634.9
47.5°	655.2	679.2	703.3	700.2	688.1	653.6	596.7	550.5	536.2	521.9	536.2
50°	618.8	641.6	664.4	648.0	618.4	579.6	531.4	491.9	478.5	465.0	478.5
52.5°	577.8	598.1	618.4	593.6	553.7	512.8	470.8	434.2	413.7	393.2	413.7
55°	513.9	527.9	541.9	514.7	473.8	428.7	379.5	337.7	318.0	298.3	318.0
57.5°	437.0	446.9	456.7	435.3	403.5	358.7	300.9	252.0	230.0	207.9	230.0
60°	385.8	393.5	401.3	381.9	353.4	310.6	253.7	208.2	197.3	186.5	197.3
62.5°	339.1	346.1	353.0	332.8	303.4	265.3	218.2	182.0	178.2	174.3	178.2
65°	275.0	281.8	288.5	267.3	236.7	206.9	177.9	156.0	155.5	155.0	155.5
67.5°	218.9	226.2	233.6	213.6	184.5	162.5	147.5	136.2	135.6	135.0	135.6
70°	185.3	193.1	200.8	182.2	154.7	136.9	128.6	122.1	121.1	120.0	121.1
72.5°	157.3	164.7	172.0	155.8	131.6	116.9	111.5	107.3	106.7	106.1	106.7
75°	118.9	124.6	130.3	118.5	100.9	90.8	88.2	86.1	85.6	85.1	85.6
77.5°	86.2	89.9	93.5	85.8	74.3	67.9	66.5	65.4	64.8	64.3	64.8
80°	67.6	69.1	70.7	65.3	57.5	53.3	52.8	52.3	51.8	51.3	51.8
82.5°	50.8	50.3	49.8	46.6	42.6	40.3	39.8	39.2	38.2	37.3	38.2
85°	26.8	25.8	24.7	23.7	22.7	21.1	19.0	17.1	15.5	14.0	15.5
87.5°	9.8	11.7	14.0	14.3	13.7	12.9	12.5	12.6	13.1	13.1	13.1
90°	7.0	16.4	28.1	37.5	44.5	46.9	46.9	49.2	51.6	51.6	51.6
92.5°	25.8	40.8	41.3	41.3	50.2	54.4	58.1	58.6	60.9	60.9	60.9
95°	72.7	79.7	119.6	117.2	79.7	63.3	53.9	53.9	53.9	53.9	53.9
97.5°	138.8	149.1	155.7	208.6	220.4	212.9	173.5	145.8	130.3	123.3	130.3
100°	196.9	201.6	215.7	218.0	276.6	332.9	304.7	269.6	257.9	250.8	257.9
102.5°	255.0	257.9	279.4	289.3	302.9	334.7	432.3	421.5	413.5	412.1	413.5
105°	342.3	344.6	384.4	403.2	412.6	412.6	410.2	457.1	532.1	548.5	532.1
107.5°	435.5	446.3	493.2	543.4	554.2	557.0	544.8	537.8	534.9	536.8	534.9
110°	499.3	515.7	572.0	635.3	651.7	656.4	651.7	644.7	640.0	640.0	640.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	561.2	585.1	648.9	721.5	749.2	763.3	753.0	747.8	743.1	746.9	743.1
115°	656.4	691.5	775.9	850.9	907.2	914.2	911.9	911.9	909.5	909.5	909.5
117.5°	744.5	800.8	895.5	982.7	1047.9	1066.6	1076.0	1073.2	1070.4	1075.0	1070.4
120°	806.4	872.0	979.9	1078.3	1141.6	1169.7	1179.1	1174.4	1179.1	1174.4	1179.1
122.5°	872.0	952.7	1058.6	1160.8	1235.4	1267.3	1278.5	1279.5	1280.4	1277.6	1280.4
125°	970.5	1068.9	1193.2	1298.7	1376.0	1413.5	1422.9	1425.3	1430.0	1441.7	1430.0
127.5°	1069.9	1181.5	1317.9	1419.6	1498.9	1544.3	1558.9	1564.0	1573.9	1579.0	1573.9
130°	1139.3	1265.9	1404.2	1500.3	1577.6	1626.9	1652.7	1659.7	1671.4	1669.1	1671.4
132.5°	1212.4	1344.6	1484.8	1584.7	1656.4	1709.4	1731.4	1751.6	1755.8	1759.1	1755.8
135°	1319.8	1462.8	1603.4	1701.9	1769.9	1821.4	1849.6	1868.3	1880.0	1887.1	1880.0
137.5°	1432.8	1583.7	1718.8	1806.4	1874.9	1919.4	1951.3	1971.0	1983.2	1988.8	1983.2
140°	1509.7	1655.0	1786.3	1877.7	1938.6	1983.2	2011.3	2034.8	2048.8	2048.8	2048.8
142.5°	1582.8	1726.3	1853.8	1945.2	1998.7	2039.4	2069.4	2087.3	2103.2	2103.2	2103.2
145°	1685.5	1828.5	1945.7	2037.1	2081.6	2119.1	2152.0	2166.0	2175.4	2175.4	2175.4
147.5°	1792.8	1919.4	2026.3	2114.0	2151.5	2195.6	2221.3	2232.6	2244.3	2239.2	2244.3
150°	1856.6	1973.8	2076.9	2159.0	2196.5	2238.7	2264.5	2273.9	2285.6	2278.5	2285.6
152.5°	1918.5	2030.1	2123.8	2200.3	2232.1	2274.3	2303.9	2313.2	2321.2	2316.1	2321.2
155°	2001.9	2100.4	2187.1	2257.5	2285.6	2325.4	2353.6	2365.3	2374.7	2362.9	2374.7
157.5°	2076.5	2161.3	2236.8	2301.5	2331.5	2365.8	2392.0	2406.5	2415.9	2410.8	2415.9
160°	2121.5	2198.8	2266.8	2327.8	2355.9	2386.4	2414.5	2430.9	2440.3	2433.3	2440.3
162.5°	2159.0	2228.9	2293.1	2348.4	2372.8	2399.5	2433.3	2447.8	2457.2	2448.3	2457.2
165°	2212.9	2269.2	2325.4	2372.3	2393.4	2414.5	2449.7	2466.1	2473.1	2463.7	2473.1
167.5°	2253.7	2296.8	2342.3	2382.6	2398.1	2418.7	2453.9	2467.5	2476.4	2464.7	2476.4
170°	2276.2	2313.7	2353.6	2386.4	2398.1	2416.9	2452.0	2463.7	2470.8	2459.1	2470.8
172.5°	2295.0	2323.1	2355.4	2384.5	2390.6	2405.6	2438.9	2450.6	2455.8	2445.9	2455.8
175°	2313.7	2330.1	2353.6	2372.3	2370.0	2379.3	2407.5	2416.9	2426.2	2412.2	2426.2
177.5°	2322.6	2330.1	2337.6	2348.9	2341.4	2341.4	2362.0	2367.6	2369.5	2362.0	2369.5
180°	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5
2.5°	1101.8	1100.9	1100.1	1102.0	1106.5	1108.2	1101.1	1094.1	1101.1	1108.2	1106.5
5°	1102.2	1100.5	1099.5	1101.3	1106.0	1107.3	1098.5	1089.7	1098.5	1107.3	1106.0
7.5°	1100.6	1098.1	1096.4	1097.8	1102.3	1103.5	1094.5	1085.5	1094.5	1103.5	1102.3
10°	1097.6	1094.7	1092.1	1092.9	1097.0	1098.2	1090.4	1082.7	1090.4	1098.2	1097.0
12.5°	1090.9	1087.6	1084.1	1084.3	1088.0	1089.0	1081.6	1074.3	1081.6	1089.0	1088.0
15°	1081.0	1076.8	1072.2	1070.9	1073.0	1072.8	1066.1	1059.4	1066.1	1072.8	1073.0
17.5°	1072.6	1067.0	1060.3	1057.1	1057.3	1055.4	1047.3	1039.1	1047.3	1055.4	1057.3
20°	1067.6	1060.1	1051.8	1047.2	1046.2	1042.9	1033.1	1023.2	1033.1	1042.9	1046.2
22.5°	1066.7	1055.2	1042.7	1035.6	1033.7	1029.4	1017.9	1006.4	1017.9	1029.4	1033.7
25°	1067.4	1050.4	1032.3	1019.6	1012.4	1004.1	992.7	981.3	992.7	1004.1	1012.4
27.5°	1060.2	1042.2	1021.8	1004.0	988.7	974.5	963.2	951.9	963.2	974.5	988.7
30°	1047.8	1029.4	1008.2	988.5	970.4	954.1	943.2	932.3	943.2	954.1	970.4
32.5°	1030.8	1011.4	988.5	967.4	948.0	930.7	919.4	908.1	919.4	930.7	948.0
35°	1001.2	982.1	958.2	934.7	911.4	891.2	880.3	869.4	880.3	891.2	911.4
37.5°	941.5	931.4	918.0	898.3	872.2	849.5	837.2	824.9	837.2	849.5	872.2
40°	887.5	887.3	884.7	871.0	846.1	823.4	807.4	791.3	807.4	823.4	846.1
42.5°	813.7	828.8	839.1	835.5	818.1	799.9	779.3	758.7	779.3	799.9	818.1
45°	655.6	700.0	752.3	775.1	768.4	757.3	732.9	708.6	732.9	757.3	768.4
47.5°	550.5	596.7	653.6	688.1	700.2	703.3	679.2	655.2	679.2	703.3	700.2
50°	491.9	531.4	579.6	618.4	648.0	664.4	641.6	618.8	641.6	664.4	648.0
52.5°	434.2	470.8	512.8	553.7	593.6	618.4	598.1	577.8	598.1	618.4	593.6
55°	337.7	379.5	428.7	473.8	514.7	541.9	527.9	513.9	527.9	541.9	514.7
57.5°	252.0	300.9	358.7	403.5	435.3	456.7	446.9	437.0	446.9	456.7	435.3
60°	208.2	253.7	310.6	353.4	381.9	401.3	393.5	385.8	393.5	401.3	381.9
62.5°	182.0	218.2	265.3	303.4	332.8	353.0	346.1	339.1	346.1	353.0	332.8
65°	156.0	177.9	206.9	236.7	267.3	288.5	281.8	275.0	281.8	288.5	267.3
67.5°	136.2	147.5	162.5	184.5	213.6	233.6	226.2	218.9	226.2	233.6	213.6
70°	122.1	128.6	136.9	154.7	182.2	200.8	193.1	185.3	193.1	200.8	182.2
72.5°	107.3	111.5	116.9	131.6	155.8	172.0	164.7	157.3	164.7	172.0	155.8
75°	86.1	88.2	90.8	100.9	118.5	130.3	124.6	118.9	124.6	130.3	118.5
77.5°	65.4	66.5	67.9	74.3	85.8	93.5	89.9	86.2	89.9	93.5	85.8
80°	52.3	52.8	53.3	57.5	65.3	70.7	69.1	67.6	69.1	70.7	65.3
82.5°	39.2	39.8	40.3	42.6	46.6	49.8	50.3	50.8	50.3	49.8	46.6
85°	17.1	19.0	21.1	22.7	23.7	24.7	25.8	26.8	25.8	24.7	23.7
87.5°	12.6	12.5	12.9	13.7	14.3	14.0	11.7	9.8	11.7	13.5	15.3
90°	49.2	46.9	46.9	44.5	37.5	28.1	16.4	7.0	16.4	25.8	42.2
92.5°	58.6	58.1	54.4	50.2	41.3	41.3	40.8	25.8	44.5	63.3	91.0
95°	53.9	53.9	63.3	79.7	117.2	119.6	79.7	72.7	103.1	145.3	182.8
97.5°	145.8	173.5	212.9	220.4	208.6	155.7	149.1	138.8	188.9	230.7	291.1
100°	269.6	304.7	332.9	276.6	218.0	215.7	201.6	196.9	250.8	290.7	349.3
102.5°	421.5	432.3	334.7	302.9	289.3	279.4	257.9	255.0	309.0	363.8	413.0
105°	457.1	410.2	412.6	412.6	403.2	384.4	344.6	342.3	403.2	466.5	527.4
107.5°	537.8	544.8	557.0	554.2	543.4	493.2	446.3	435.5	490.4	566.4	633.4
110°	644.7	651.7	656.4	651.7	635.3	572.0	515.7	499.3	548.5	628.2	700.9



TEST NUMBER: P1428133

CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	747.8	753.0	763.3	749.2	721.5	648.9	585.1	561.2	610.4	692.0	766.5
115°	911.9	911.9	914.2	907.2	850.9	775.9	691.5	656.4	698.6	773.6	855.6
117.5°	1073.2	1076.0	1066.6	1047.9	982.7	895.5	800.8	744.5	777.8	857.0	941.4
120°	1174.4	1179.1	1169.7	1141.6	1078.3	979.9	872.0	806.4	832.2	909.5	993.9
122.5°	1279.5	1278.5	1267.3	1235.4	1160.8	1058.6	952.7	872.0	882.8	954.6	1037.1
125°	1425.3	1422.9	1413.5	1376.0	1298.7	1193.2	1068.9	970.5	956.4	1017.4	1101.8
127.5°	1564.0	1558.9	1544.3	1498.9	1419.6	1317.9	1181.5	1069.9	1038.5	1076.9	1154.3
130°	1659.7	1652.7	1626.9	1577.6	1500.3	1404.2	1265.9	1139.3	1094.7	1118.2	1186.2
132.5°	1751.6	1731.4	1709.4	1656.4	1584.7	1484.8	1344.6	1212.4	1151.0	1161.3	1214.3
135°	1868.3	1849.6	1821.4	1769.9	1701.9	1603.4	1462.8	1319.8	1235.4	1226.0	1256.5
137.5°	1971.0	1951.3	1919.4	1874.9	1806.4	1718.8	1583.7	1432.8	1326.3	1294.9	1306.6
140°	2034.8	2011.3	1983.2	1938.6	1877.7	1786.3	1655.0	1509.7	1390.1	1345.6	1338.5
142.5°	2087.3	2069.4	2039.4	1998.7	1945.2	1853.8	1726.3	1582.8	1455.7	1398.1	1381.7
145°	2166.0	2152.0	2119.1	2081.6	2037.1	1945.7	1828.5	1685.5	1558.9	1483.9	1448.7
147.5°	2232.6	2221.3	2195.6	2151.5	2114.0	2026.3	1919.4	1792.8	1663.0	1570.1	1524.7
150°	2273.9	2264.5	2238.7	2196.5	2159.0	2076.9	1973.8	1856.6	1732.4	1633.9	1575.3
152.5°	2313.2	2303.9	2274.3	2232.1	2200.3	2123.8	2030.1	1918.5	1792.4	1693.9	1633.4
155°	2365.3	2353.6	2325.4	2285.6	2257.5	2187.1	2100.4	2001.9	1894.1	1791.0	1723.0
157.5°	2406.5	2392.0	2365.8	2331.5	2301.5	2236.8	2161.3	2076.5	1982.2	1883.8	1814.4
160°	2430.9	2414.5	2386.4	2355.9	2327.8	2266.8	2198.8	2121.5	2034.8	1945.7	1870.7
162.5°	2447.8	2433.3	2399.5	2372.8	2348.4	2293.1	2228.9	2159.0	2081.6	2003.8	1934.4
165°	2466.1	2449.7	2414.5	2393.4	2372.3	2325.4	2269.2	2212.9	2147.3	2084.0	2027.7
167.5°	2467.5	2453.9	2418.7	2398.1	2382.6	2342.3	2296.8	2253.7	2202.6	2152.9	2106.0
170°	2463.7	2452.0	2416.9	2398.1	2386.4	2353.6	2313.7	2276.2	2236.4	2194.2	2156.7
172.5°	2450.6	2438.9	2405.6	2390.6	2384.5	2355.4	2323.1	2295.0	2260.7	2229.8	2199.8
175°	2416.9	2407.5	2379.3	2370.0	2372.3	2353.6	2330.1	2313.7	2292.6	2273.9	2257.5
177.5°	2367.6	2362.0	2341.4	2341.4	2348.9	2337.6	2330.1	2322.6	2313.2	2307.6	2302.0
180°	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7



TEST NUMBER: P1428133

CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5
2.5°	1102.0	1100.1	1100.9	1101.8	1102.6	1103.4	1102.6	1101.8	1100.9	1100.1	1102.0
5°	1101.3	1099.5	1100.5	1102.2	1105.8	1109.5	1105.8	1102.2	1100.5	1099.5	1101.3
7.5°	1097.8	1096.4	1098.1	1100.6	1105.0	1109.5	1105.0	1100.6	1098.1	1096.4	1097.8
10°	1092.9	1092.1	1094.7	1097.6	1101.2	1104.8	1101.2	1097.6	1094.7	1092.1	1092.9
12.5°	1084.3	1084.1	1087.6	1090.9	1094.1	1097.4	1094.1	1090.9	1087.6	1084.1	1084.3
15°	1070.9	1072.2	1076.8	1081.0	1083.6	1086.2	1083.6	1081.0	1076.8	1072.2	1070.9
17.5°	1057.1	1060.3	1067.0	1072.6	1075.3	1078.0	1075.3	1072.6	1067.0	1060.3	1057.1
20°	1047.2	1051.8	1060.1	1067.6	1072.8	1078.0	1072.8	1067.6	1060.1	1051.8	1047.2
22.5°	1035.6	1042.7	1055.2	1066.7	1075.6	1084.5	1075.6	1066.7	1055.2	1042.7	1035.6
25°	1019.6	1032.3	1050.4	1067.4	1080.9	1094.3	1080.9	1067.4	1050.4	1032.3	1019.6
27.5°	1004.0	1021.8	1042.2	1060.2	1070.8	1081.5	1070.8	1060.2	1042.2	1021.8	1004.0
30°	988.5	1008.2	1029.4	1047.8	1057.7	1067.5	1057.7	1047.8	1029.4	1008.2	988.5
32.5°	967.4	988.5	1011.4	1030.8	1039.9	1048.9	1039.9	1030.8	1011.4	988.5	967.4
35°	934.7	958.2	982.1	1001.2	1006.4	1011.6	1006.4	1001.2	982.1	958.2	934.7
37.5°	898.3	918.0	931.4	941.5	941.8	942.1	941.8	941.5	931.4	918.0	898.3
40°	871.0	884.7	887.3	887.5	880.8	874.1	880.8	887.5	887.3	884.7	871.0
42.5°	835.5	839.1	828.8	813.7	783.7	753.8	783.7	813.7	828.8	839.1	835.5
45°	775.1	752.3	700.0	655.6	634.9	614.2	634.9	655.6	700.0	752.3	775.1
47.5°	688.1	653.6	596.7	550.5	536.2	521.9	536.2	550.5	596.7	653.6	688.1
50°	618.4	579.6	531.4	491.9	478.5	465.0	478.5	491.9	531.4	579.6	618.4
52.5°	553.7	512.8	470.8	434.2	413.7	393.2	413.7	434.2	470.8	512.8	553.7
55°	473.8	428.7	379.5	337.7	318.0	298.3	318.0	337.7	379.5	428.7	473.8
57.5°	403.5	358.7	300.9	252.0	230.0	207.9	230.0	252.0	300.9	358.7	403.5
60°	353.4	310.6	253.7	208.2	197.3	186.5	197.3	208.2	253.7	310.6	353.4
62.5°	303.4	265.3	218.2	182.0	178.2	174.3	178.2	182.0	218.2	265.3	303.4
65°	236.7	206.9	177.9	156.0	155.5	155.0	155.5	156.0	177.9	206.9	236.7
67.5°	184.5	162.5	147.5	136.2	135.6	135.0	135.6	136.2	147.5	162.5	184.5
70°	154.7	136.9	128.6	122.1	121.1	120.0	121.1	122.1	128.6	136.9	154.7
72.5°	131.6	116.9	111.5	107.3	106.7	106.1	106.7	107.3	111.5	116.9	131.6
75°	100.9	90.8	88.2	86.1	85.6	85.1	85.6	86.1	88.2	90.8	100.9
77.5°	74.3	67.9	66.5	65.4	64.8	64.3	64.8	65.4	66.5	67.9	74.3
80°	57.5	53.3	52.8	52.3	51.8	51.3	51.8	52.3	52.8	53.3	57.5
82.5°	42.6	40.3	39.8	39.2	38.2	37.3	38.2	39.2	39.8	40.3	42.6
85°	22.7	21.1	19.0	17.1	15.5	14.0	15.5	17.1	19.0	21.1	22.7
87.5°	15.5	17.6	20.5	22.0	23.9	23.0	23.9	22.0	20.5	17.6	15.5
90°	53.9	70.3	86.7	96.1	105.5	100.8	105.5	96.1	86.7	70.3	53.9
92.5°	108.3	136.0	156.1	173.0	180.5	179.6	180.5	173.0	156.1	136.0	108.3
95°	218.0	250.8	283.6	307.1	321.2	316.5	321.2	307.1	283.6	250.8	218.0
97.5°	336.2	380.2	416.8	438.8	452.9	462.3	452.9	438.8	416.8	380.2	336.2
100°	414.9	457.1	499.3	525.1	548.5	557.9	548.5	525.1	499.3	457.1	414.9
102.5°	478.7	534.0	580.0	607.6	627.3	636.7	627.3	607.6	580.0	534.0	478.7
105°	583.7	642.3	691.5	726.7	747.8	754.8	747.8	726.7	691.5	642.3	583.7
107.5°	688.7	749.2	794.7	833.6	859.4	874.4	859.4	833.6	794.7	749.2	688.7
110°	771.2	820.5	869.7	904.9	930.6	940.0	930.6	904.9	869.7	820.5	771.2



TEST NUMBER: P1428133

CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	840.6	895.5	944.7	979.9	1009.4	1022.5	1009.4	979.9	944.7	895.5	840.6
115°	937.7	1010.3	1054.9	1087.7	1108.8	1120.5	1108.8	1087.7	1054.9	1010.3	937.7
117.5°	1018.3	1094.3	1143.0	1168.3	1178.2	1186.6	1178.2	1168.3	1143.0	1094.3	1018.3
120°	1068.9	1139.3	1195.5	1228.4	1240.1	1244.8	1240.1	1228.4	1195.5	1139.3	1068.9
122.5°	1115.8	1182.4	1236.8	1277.1	1296.3	1301.0	1296.3	1277.1	1236.8	1182.4	1115.8
125°	1181.5	1244.8	1301.0	1340.9	1362.0	1373.7	1362.0	1340.9	1301.0	1244.8	1181.5
127.5°	1238.7	1307.1	1358.7	1394.8	1415.4	1424.8	1415.4	1394.8	1358.7	1307.1	1238.7
130°	1270.5	1340.9	1392.4	1432.3	1451.1	1460.4	1451.1	1432.3	1392.4	1340.9	1270.5
132.5°	1294.9	1369.0	1422.5	1458.6	1479.2	1488.6	1479.2	1458.6	1422.5	1369.0	1294.9
135°	1324.5	1401.8	1458.1	1493.2	1512.0	1521.4	1512.0	1493.2	1458.1	1401.8	1324.5
137.5°	1350.3	1420.6	1479.2	1516.2	1533.1	1539.2	1533.1	1516.2	1479.2	1420.6	1350.3
140°	1369.0	1430.0	1488.6	1523.7	1542.5	1544.8	1542.5	1523.7	1488.6	1430.0	1369.0
142.5°	1393.4	1441.2	1492.3	1527.5	1546.2	1550.4	1546.2	1527.5	1492.3	1441.2	1393.4
145°	1437.0	1465.1	1500.3	1533.1	1549.5	1554.2	1549.5	1533.1	1500.3	1465.1	1437.0
147.5°	1491.8	1500.7	1519.0	1540.6	1556.5	1559.8	1556.5	1540.6	1519.0	1500.7	1491.8
150°	1533.1	1530.8	1537.8	1551.9	1565.9	1563.6	1565.9	1551.9	1537.8	1530.8	1533.1
152.5°	1580.0	1566.4	1565.9	1572.5	1579.0	1578.6	1579.0	1572.5	1565.9	1566.4	1580.0
155°	1659.7	1633.9	1619.8	1615.1	1615.1	1612.8	1615.1	1615.1	1619.8	1633.9	1659.7
157.5°	1747.4	1711.3	1690.2	1678.9	1675.6	1670.5	1675.6	1678.9	1690.2	1711.3	1747.4
160°	1807.4	1767.5	1746.4	1727.7	1720.6	1713.6	1720.6	1727.7	1746.4	1767.5	1807.4
162.5°	1863.6	1825.7	1802.7	1785.8	1778.8	1768.0	1778.8	1785.8	1802.7	1825.7	1863.6
165°	1955.1	1915.2	1889.4	1875.3	1866.0	1856.6	1866.0	1875.3	1889.4	1915.2	1955.1
167.5°	2046.5	2002.9	1986.0	1970.1	1961.1	1944.3	1961.1	1970.1	1986.0	2002.9	2046.5
170°	2102.7	2062.9	2053.5	2039.4	2023.0	2004.3	2023.0	2039.4	2053.5	2062.9	2102.7
172.5°	2151.5	2124.8	2115.4	2101.3	2096.2	2081.2	2096.2	2101.3	2115.4	2124.8	2151.5
175°	2222.3	2201.2	2201.2	2198.8	2191.8	2177.7	2191.8	2198.8	2201.2	2201.2	2222.3
177.5°	2281.4	2270.1	2277.6	2277.6	2275.7	2262.6	2275.7	2277.6	2277.6	2270.1	2281.4
180°	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7	2320.7



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CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1102.5	1102.5	1102.5	1102.5
2.5°	1106.5	1108.2	1101.1	1094.1
5°	1106.0	1107.3	1098.5	1089.7
7.5°	1102.3	1103.5	1094.5	1085.5
10°	1097.0	1098.2	1090.4	1082.7
12.5°	1088.0	1089.0	1081.6	1074.3
15°	1073.0	1072.8	1066.1	1059.4
17.5°	1057.3	1055.4	1047.3	1039.1
20°	1046.2	1042.9	1033.1	1023.2
22.5°	1033.7	1029.4	1017.9	1006.4
25°	1012.4	1004.1	992.7	981.3
27.5°	988.7	974.5	963.2	951.9
30°	970.4	954.1	943.2	932.3
32.5°	948.0	930.7	919.4	908.1
35°	911.4	891.2	880.3	869.4
37.5°	872.2	849.5	837.2	824.9
40°	846.1	823.4	807.4	791.3
42.5°	818.1	799.9	779.3	758.7
45°	768.4	757.3	732.9	708.6
47.5°	700.2	703.3	679.2	655.2
50°	648.0	664.4	641.6	618.8
52.5°	593.6	618.4	598.1	577.8
55°	514.7	541.9	527.9	513.9
57.5°	435.3	456.7	446.9	437.0
60°	381.9	401.3	393.5	385.8
62.5°	332.8	353.0	346.1	339.1
65°	267.3	288.5	281.8	275.0
67.5°	213.6	233.6	226.2	218.9
70°	182.2	200.8	193.1	185.3
72.5°	155.8	172.0	164.7	157.3
75°	118.5	130.3	124.6	118.9
77.5°	85.8	93.5	89.9	86.2
80°	65.3	70.7	69.1	67.6
82.5°	46.6	49.8	50.3	50.8
85°	23.7	24.7	25.8	26.8
87.5°	15.3	13.5	11.7	9.8
90°	42.2	25.8	16.4	7.0
92.5°	91.0	63.3	44.5	25.8
95°	182.8	145.3	103.1	72.7
97.5°	291.1	230.7	188.9	138.8
100°	349.3	290.7	250.8	196.9
102.5°	413.0	363.8	309.0	255.0
105°	527.4	466.5	403.2	342.3
107.5°	633.4	566.4	490.4	435.5
110°	700.9	628.2	548.5	499.3



TEST NUMBER: P1428133

CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	766.5	692.0	610.4	561.2
115°	855.6	773.6	698.6	656.4
117.5°	941.4	857.0	777.8	744.5
120°	993.9	909.5	832.2	806.4
122.5°	1037.1	954.6	882.8	872.0
125°	1101.8	1017.4	956.4	970.5
127.5°	1154.3	1076.9	1038.5	1069.9
130°	1186.2	1118.2	1094.7	1139.3
132.5°	1214.3	1161.3	1151.0	1212.4
135°	1256.5	1226.0	1235.4	1319.8
137.5°	1306.6	1294.9	1326.3	1432.8
140°	1338.5	1345.6	1390.1	1509.7
142.5°	1381.7	1398.1	1455.7	1582.8
145°	1448.7	1483.9	1558.9	1685.5
147.5°	1524.7	1570.1	1663.0	1792.8
150°	1575.3	1633.9	1732.4	1856.6
152.5°	1633.4	1693.9	1792.4	1918.5
155°	1723.0	1791.0	1894.1	2001.9
157.5°	1814.4	1883.8	1982.2	2076.5
160°	1870.7	1945.7	2034.8	2121.5
162.5°	1934.4	2003.8	2081.6	2159.0
165°	2027.7	2084.0	2147.3	2212.9
167.5°	2106.0	2152.9	2202.6	2253.7
170°	2156.7	2194.2	2236.4	2276.2
172.5°	2199.8	2229.8	2260.7	2295.0
175°	2257.5	2273.9	2292.6	2313.7
177.5°	2302.0	2307.6	2313.2	2322.6
180°	2320.7	2320.7	2320.7	2320.7



TEST NUMBER: P1428133
 CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L840-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	15.10	15.79	16.22	16.90	18.44	10.87	11.56	11.99	12.67	14.21
	3H	16.15	16.76	17.28	17.88	19.44	12.17	12.78	13.30	13.90	15.46
	4H	16.51	17.09	17.65	18.21	19.77	12.71	13.30	13.86	14.42	15.98
	6H	16.69	17.22	17.84	18.35	19.92	13.07	13.60	14.22	14.73	16.30
	8H	16.75	17.26	17.90	18.39	19.96	13.19	13.70	14.34	14.84	16.41
	12H	16.76	17.25	17.92	18.38	19.97	13.22	13.70	14.38	14.84	16.43
4H	2H	15.20	15.78	16.34	16.90	18.46	11.76	12.34	12.90	13.46	15.02
	3H	16.47	16.96	17.63	18.10	19.68	13.16	13.65	14.32	14.79	16.37
	4H	16.97	17.42	18.13	18.55	20.15	13.78	14.22	14.93	15.36	16.95
	6H	17.28	17.66	18.44	18.82	20.41	14.21	14.59	15.38	15.75	17.34
	8H	17.39	17.74	18.55	18.89	20.49	14.38	14.73	15.54	15.88	17.49
	12H	17.42	17.74	18.60	18.91	20.51	14.42	14.74	15.60	15.91	17.51
8H	4H	16.98	17.33	18.14	18.49	20.09	14.07	14.43	15.23	15.58	17.18
	6H	17.39	17.68	18.57	18.87	20.47	14.63	14.92	15.81	16.11	17.71
	8H	17.57	17.82	18.75	18.99	20.61	14.88	15.13	16.06	16.30	17.92
	12H	17.66	17.88	18.85	19.05	20.70	14.97	15.19	16.16	16.36	18.01
12H	4H	16.93	17.25	18.11	18.42	20.02	14.08	14.40	15.25	15.56	17.17
	6H	17.38	17.63	18.56	18.81	20.43	14.69	14.95	15.88	16.12	17.74
	8H	17.57	17.79	18.76	18.96	20.61	14.96	15.19	16.15	16.35	18.01