

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: P1427913

Luminaire Tested: SQ2W-PH1-K-075U-125D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427913
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PH1-K-075U-125D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE HEX LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

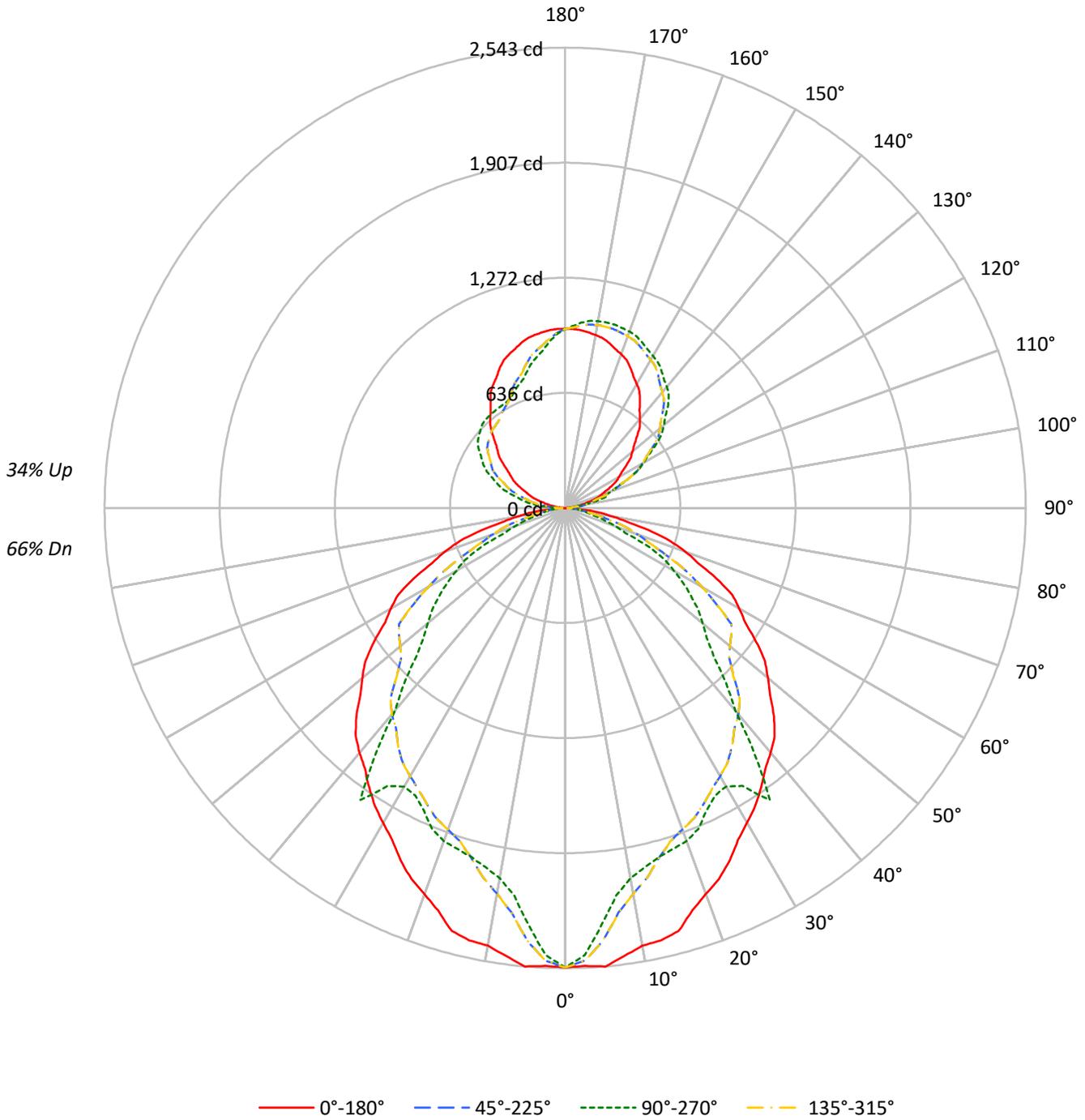
Lumens per Lamp: N/A
Luminaire Lumens: 8504.0 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.02 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 72.8
Input Voltage (V): 120
Input Current (A_{in}): 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	97	93	90	96	92	88	85	81	79	77	72	70	68	63	62	60	56
2	93	85	79	74	87	81	75	70	72	67	64	63	60	57	56	53	51	47
3	85	75	68	62	79	71	64	59	63	58	54	56	52	49	50	46	44	40
4	78	67	59	52	73	63	56	50	56	51	46	50	46	42	44	41	38	35
5	71	60	51	45	67	56	49	43	51	44	40	45	40	36	40	36	33	30
6	66	53	45	39	62	51	43	38	46	39	35	41	36	32	36	32	29	27
7	61	48	40	35	57	46	39	33	41	35	31	37	32	28	33	29	26	24
8	57	44	36	31	53	42	35	30	38	32	27	34	29	25	31	26	23	21
9	53	40	33	28	50	38	31	27	35	29	25	31	26	23	28	24	21	19
10	49	37	30	25	47	35	29	24	32	26	22	29	24	21	26	22	19	17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	40981	40981	40981	40981
5°	41217	37458	41217	37458
10°	40267	34050	40267	34050
15°	40449	33385	40449	33385
20°	39006	33652	39006	33652
25°	38291	32870	38291	32870
30°	37460	33138	37460	33138
35°	37177	38843	37177	38843
40°	37208	30795	37208	30795
45°	37223	26523	37223	26523
50°	36700	24872	36700	24872
55°	36233	23862	36233	23862
60°	35872	22381	35872	22381
65°	35247	19469	35247	19469
70°	33290	13907	33290	13907
75°	29681	10549	29681	10549
80°	24249	9884	24249	9884
85°	15209	6706	15209	6706

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 37223 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.3	2.6
10°-20°	587.5	6.9
20°-30°	861.3	10.1
30°-40°	1042.9	12.3
40°-50°	1025.5	12.1
50°-60°	892.1	10.5
60°-70°	620.4	7.3
70°-80°	294.2	3.5
80°-90°	69.0	0.8
90°-100°	78.7	0.9
100°-110°	229.5	2.7
110°-120°	374.6	4.4
120°-130°	475.3	5.6
130°-140°	508.6	6.0
140°-150°	474.9	5.6
150°-160°	390.8	4.6
160°-170°	262.1	3.1
170°-180°	93.1	1.1
0°-30°	1672.1	19.7
0°-40°	2715.0	31.9
0°-60°	4632.7	54.5
0°-90°	5616.3	66.0
90°-120°	682.8	8.0
90°-150°	2141.7	25.2
90°-180°	2888.0	34.0
0°-180°	8504.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2538	2538	2538	2538	2538	
5°	2543	2311	2543	2311	2543	239
15°	2420	1997	2420	1997	2420	675
25°	2149	1845	2149	1845	2149	988
35°	1886	1971	1886	1971	1886	1181
45°	1630	1162	1630	1162	1630	1253
55°	1287	848	1287	848	1287	1150
65°	923	510	923	510	923	907
75°	476	169	476	169	476	504
85°	82	36	82	36	82	110
90°	3	22	3	43	3	5
95°	31	23	31	135	31	37
105°	146	234	146	322	146	155
115°	280	388	280	478	280	276
125°	414	614	414	585	414	370
135°	562	804	562	648	562	435
145°	718	927	718	662	718	449
155°	853	1007	853	687	853	392
165°	943	1050	943	791	943	265
175°	986	1028	986	928	986	94
180°	989	989	989	989	989	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2538.2	2538.2	2538.2	2538.2	2538.2	2538.2	2538.2	2538.2	2538.2	2538.2	2538.2
2.5°	2532.4	2544.4	2556.5	2539.5	2512.9	2494.4	2484.1	2476.0	2474.3	2472.5	2474.3
5°	2543.1	2542.0	2540.9	2490.7	2424.2	2374.3	2341.0	2315.5	2313.4	2311.2	2313.4
7.5°	2496.7	2463.4	2430.1	2362.7	2283.9	2226.2	2189.5	2161.5	2159.8	2158.1	2159.8
10°	2456.1	2405.7	2355.2	2279.0	2194.2	2135.2	2101.9	2076.9	2076.9	2076.9	2076.9
12.5°	2446.5	2366.8	2287.2	2203.7	2118.9	2064.1	2039.4	2022.2	2027.4	2032.5	2027.4
15°	2419.9	2299.7	2179.5	2094.7	2021.7	1982.0	1975.5	1973.6	1985.4	1997.3	1985.4
17.5°	2332.0	2202.5	2073.1	1998.5	1942.3	1921.0	1934.8	1948.5	1962.3	1976.0	1962.3
20°	2270.2	2142.4	2014.7	1945.7	1896.4	1884.5	1910.3	1932.8	1945.7	1958.6	1945.7
22.5°	2218.0	2088.5	1959.1	1898.1	1859.9	1854.9	1883.3	1906.2	1913.1	1920.0	1913.1
25°	2149.4	2003.4	1857.4	1812.9	1802.2	1809.1	1833.8	1851.5	1848.3	1845.1	1848.3
27.5°	2067.3	1914.9	1762.5	1733.8	1746.5	1760.4	1775.4	1787.1	1789.1	1791.0	1789.1
30°	2009.3	1856.9	1704.5	1681.7	1702.1	1719.8	1734.8	1749.6	1763.5	1777.5	1763.5
32.5°	1953.3	1795.7	1638.2	1621.8	1652.5	1685.7	1721.3	1756.0	1788.0	1820.0	1788.0
35°	1886.2	1721.9	1557.7	1544.8	1582.4	1630.7	1689.7	1760.3	1865.5	1970.7	1865.5
37.5°	1815.6	1639.6	1463.6	1457.7	1508.6	1559.5	1610.4	1656.9	1690.4	1723.9	1690.4
40°	1765.4	1580.8	1396.2	1395.9	1457.1	1520.4	1585.9	1615.7	1538.4	1461.1	1538.4
42.5°	1711.3	1526.7	1342.1	1336.7	1391.0	1460.7	1546.0	1577.2	1446.7	1316.2	1446.7
45°	1630.2	1438.0	1245.9	1238.9	1293.7	1332.3	1354.8	1348.4	1255.0	1161.6	1255.0
47.5°	1534.5	1351.4	1168.3	1166.8	1225.8	1230.1	1179.7	1132.7	1096.2	1059.7	1096.2
50°	1461.1	1288.3	1115.5	1123.0	1190.6	1184.2	1103.7	1037.4	1013.8	990.2	1013.8
52.5°	1389.6	1225.4	1061.2	1081.1	1162.5	1149.6	1042.5	958.2	942.3	926.4	942.3
55°	1287.2	1129.4	971.7	1016.7	1129.4	1112.3	965.2	854.1	850.9	847.7	850.9
57.5°	1178.5	1029.4	880.2	911.4	1002.9	984.9	857.3	763.1	768.7	774.3	768.7
60°	1110.9	966.0	821.1	825.1	878.8	861.6	773.6	706.0	699.6	693.1	699.6
62.5°	1039.4	901.4	763.4	743.4	762.7	742.5	682.8	636.4	630.0	623.6	630.0
65°	922.6	797.0	671.4	633.5	625.0	596.0	546.6	509.6	509.6	509.6	509.6
67.5°	794.1	684.6	575.1	532.8	512.8	484.0	446.5	411.8	386.1	360.3	386.1
70°	705.2	608.6	512.0	467.7	440.9	406.5	364.7	329.0	311.8	294.6	311.8
72.5°	610.5	527.7	444.8	399.5	366.6	333.1	299.0	268.4	248.7	228.9	248.7
75°	475.8	409.2	342.7	298.7	262.2	228.4	197.2	173.3	171.2	169.1	171.2
77.5°	343.9	295.4	246.9	211.2	179.9	156.4	140.7	129.0	129.2	129.4	129.2
80°	260.8	224.3	187.8	154.6	122.4	105.7	104.7	104.1	105.2	106.3	105.2
82.5°	183.5	156.5	129.4	108.2	88.9	80.0	81.5	82.6	82.9	83.1	82.9
85°	82.1	69.2	56.4	51.5	49.4	46.2	41.9	38.4	37.3	36.2	37.3
87.5°	18.0	17.9	18.1	16.7	14.7	13.7	13.7	13.9	14.1	14.1	14.1
90°	3.0	7.0	12.0	16.0	19.0	20.0	20.0	21.0	22.0	22.0	22.0
92.5°	11.0	17.4	17.6	17.6	21.4	23.2	24.8	25.0	26.0	26.0	26.0
95°	31.0	34.0	50.9	49.9	34.0	27.0	23.0	23.0	23.0	23.0	23.0
97.5°	59.1	63.5	66.3	88.9	93.9	90.7	73.9	62.1	55.5	52.5	55.5
100°	83.9	85.9	91.9	92.9	117.9	141.9	129.9	114.9	109.9	106.9	109.9
102.5°	108.7	109.9	119.1	123.3	129.1	142.7	184.2	179.6	176.2	175.6	176.2
105°	145.8	146.8	163.8	171.8	175.8	175.8	174.8	194.8	226.8	233.8	226.8
107.5°	185.6	190.2	210.2	231.6	236.2	237.4	232.2	229.2	228.0	228.8	228.0
110°	212.8	219.8	243.7	270.7	277.7	279.7	277.7	274.7	272.7	272.7	272.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	239.2	249.3	276.5	307.5	319.3	325.3	320.9	318.7	316.7	318.3	316.7
115°	279.7	294.7	330.7	362.6	386.6	389.6	388.6	388.6	387.6	387.6	387.6
117.5°	317.3	341.2	381.6	418.8	446.5	454.5	458.5	457.3	456.1	458.1	456.1
120°	343.6	371.6	417.6	459.5	486.5	498.5	502.5	500.5	502.5	500.5	502.5
122.5°	371.6	406.0	451.1	494.7	526.5	540.0	544.8	545.2	545.6	544.4	545.6
125°	413.6	455.5	508.5	553.4	586.4	602.4	606.4	607.4	609.4	614.4	609.4
127.5°	455.9	503.5	561.6	605.0	638.7	658.1	664.3	666.5	670.7	672.9	670.7
130°	485.5	539.4	598.4	639.3	672.3	693.3	704.3	707.3	712.3	711.3	712.3
132.5°	516.7	573.0	632.7	675.3	705.9	728.4	737.8	746.4	748.2	749.6	748.2
135°	562.4	623.4	683.3	725.3	754.2	776.2	788.2	796.2	801.2	804.2	801.2
137.5°	610.6	674.9	732.4	769.8	799.0	818.0	831.5	839.9	845.1	847.5	845.1
140°	643.3	705.3	761.2	800.2	826.1	845.1	857.1	867.1	873.1	873.1	873.1
142.5°	674.5	735.6	790.0	828.9	851.7	869.1	881.9	889.5	896.3	896.3	896.3
145°	718.3	779.2	829.1	868.1	887.1	903.1	917.1	923.0	927.0	927.0	927.0
147.5°	764.0	818.0	863.5	900.9	916.9	935.6	946.6	951.4	956.4	954.2	956.4
150°	791.2	841.1	885.1	920.1	936.0	954.0	965.0	969.0	974.0	971.0	974.0
152.5°	817.6	865.1	905.1	937.6	951.2	969.2	981.8	985.8	989.2	987.0	989.2
155°	853.1	895.1	932.0	962.0	974.0	991.0	1003.0	1008.0	1012.0	1007.0	1012.0
157.5°	884.9	921.0	953.2	980.8	993.6	1008.2	1019.3	1025.5	1029.5	1027.3	1029.5
160°	904.1	937.0	966.0	992.0	1004.0	1017.0	1028.9	1035.9	1039.9	1036.9	1039.9
162.5°	920.1	949.8	977.2	1000.8	1011.2	1022.5	1036.9	1043.1	1047.1	1043.3	1047.1
165°	943.0	967.0	991.0	1011.0	1019.9	1028.9	1043.9	1050.9	1053.9	1049.9	1053.9
167.5°	960.4	978.8	998.2	1015.4	1021.9	1030.7	1045.7	1051.5	1055.3	1050.3	1055.3
170°	970.0	986.0	1003.0	1017.0	1021.9	1029.9	1044.9	1049.9	1052.9	1047.9	1052.9
172.5°	978.0	990.0	1003.8	1016.2	1018.7	1025.1	1039.3	1044.3	1046.5	1042.3	1046.5
175°	986.0	993.0	1003.0	1011.0	1010.0	1014.0	1025.9	1029.9	1033.9	1027.9	1033.9
177.5°	989.8	993.0	996.2	1001.0	997.8	997.8	1006.6	1009.0	1009.8	1006.6	1009.8
180°	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2538.2	2538.2	2538.2	2538.2	2538.2	2538.2	2538.2	2538.2	2538.2	2538.2	2538.2
2.5°	2476.0	2484.1	2494.4	2512.9	2539.5	2556.5	2544.4	2532.4	2544.4	2556.5	2539.5
5°	2315.5	2341.0	2374.3	2424.2	2490.7	2540.9	2542.0	2543.1	2542.0	2540.9	2490.7
7.5°	2161.5	2189.5	2226.2	2283.9	2362.7	2430.1	2463.4	2496.7	2463.4	2430.1	2362.7
10°	2076.9	2101.9	2135.2	2194.2	2279.0	2355.2	2405.7	2456.1	2405.7	2355.2	2279.0
12.5°	2022.2	2039.4	2064.1	2118.9	2203.7	2287.2	2366.8	2446.5	2366.8	2287.2	2203.7
15°	1973.6	1975.5	1982.0	2021.7	2094.7	2179.5	2299.7	2419.9	2299.7	2179.5	2094.7
17.5°	1948.5	1934.8	1921.0	1942.3	1998.5	2073.1	2202.5	2332.0	2202.5	2073.1	1998.5
20°	1932.8	1910.3	1884.5	1896.4	1945.7	2014.7	2142.4	2270.2	2142.4	2014.7	1945.7
22.5°	1906.2	1883.3	1854.9	1859.9	1898.1	1959.1	2088.5	2218.0	2088.5	1959.1	1898.1
25°	1851.5	1833.8	1809.1	1802.2	1812.9	1857.4	2003.4	2149.4	2003.4	1857.4	1812.9
27.5°	1787.1	1775.4	1760.4	1746.5	1733.8	1762.5	1914.9	2067.3	1914.9	1762.5	1733.8
30°	1749.6	1734.8	1719.8	1702.1	1681.7	1704.5	1856.9	2009.3	1856.9	1704.5	1681.7
32.5°	1756.0	1721.3	1685.7	1652.5	1621.8	1638.2	1795.7	1953.3	1795.7	1638.2	1621.8
35°	1760.3	1689.7	1630.7	1582.4	1544.8	1557.7	1721.9	1886.2	1721.9	1557.7	1544.8
37.5°	1656.9	1610.4	1559.5	1508.6	1457.7	1463.6	1639.6	1815.6	1639.6	1463.6	1457.7
40°	1615.7	1585.9	1520.4	1457.1	1395.9	1396.2	1580.8	1765.4	1580.8	1396.2	1395.9
42.5°	1577.2	1546.0	1460.7	1391.0	1336.7	1342.1	1526.7	1711.3	1526.7	1342.1	1336.7
45°	1348.4	1354.8	1332.3	1293.7	1238.9	1245.9	1438.0	1630.2	1438.0	1245.9	1238.9
47.5°	1132.7	1179.7	1230.1	1225.8	1166.8	1168.3	1351.4	1534.5	1351.4	1168.3	1166.8
50°	1037.4	1103.7	1184.2	1190.6	1123.0	1115.5	1288.3	1461.1	1288.3	1115.5	1123.0
52.5°	958.2	1042.5	1149.6	1162.5	1081.1	1061.2	1225.4	1389.6	1225.4	1061.2	1081.1
55°	854.1	965.2	1112.3	1129.4	1016.7	971.7	1129.4	1287.2	1129.4	971.7	1016.7
57.5°	763.1	857.3	984.9	1002.9	911.4	880.2	1029.4	1178.5	1029.4	880.2	911.4
60°	706.0	773.6	861.6	878.8	825.1	821.1	966.0	1110.9	966.0	821.1	825.1
62.5°	636.4	682.8	742.5	762.7	743.4	763.4	901.4	1039.4	901.4	763.4	743.4
65°	509.6	546.6	596.0	625.0	633.5	671.4	797.0	922.6	797.0	671.4	633.5
67.5°	411.8	446.5	484.0	512.8	532.8	575.1	684.6	794.1	684.6	575.1	532.8
70°	329.0	364.7	406.5	440.9	467.7	512.0	608.6	705.2	608.6	512.0	467.7
72.5°	268.4	299.0	333.1	366.6	399.5	444.8	527.7	610.5	527.7	444.8	399.5
75°	173.3	197.2	228.4	262.2	298.7	342.7	409.2	475.8	409.2	342.7	298.7
77.5°	129.0	140.7	156.4	179.9	211.2	246.9	295.4	343.9	295.4	246.9	211.2
80°	104.1	104.7	105.7	122.4	154.6	187.8	224.3	260.8	224.3	187.8	154.6
82.5°	82.6	81.5	80.0	88.9	108.2	129.4	156.5	183.5	156.5	129.4	108.2
85°	38.4	41.9	46.2	49.4	51.5	56.4	69.2	82.1	69.2	56.4	51.5
87.5°	13.9	13.7	13.7	14.7	16.7	18.1	17.9	18.0	17.9	17.9	17.1
90°	21.0	20.0	20.0	19.0	16.0	12.0	7.0	3.0	7.0	11.0	18.0
92.5°	25.0	24.8	23.2	21.4	17.6	17.6	17.4	11.0	19.0	27.0	38.8
95°	23.0	23.0	27.0	34.0	49.9	50.9	34.0	31.0	44.0	61.9	77.9
97.5°	62.1	73.9	90.7	93.9	88.9	66.3	63.5	59.1	80.5	98.3	124.1
100°	114.9	129.9	141.9	117.9	92.9	91.9	85.9	83.9	106.9	123.9	148.8
102.5°	179.6	184.2	142.7	129.1	123.3	119.1	109.9	108.7	131.7	155.0	176.0
105°	194.8	174.8	175.8	175.8	171.8	163.8	146.8	145.8	171.8	198.8	224.8
107.5°	229.2	232.2	237.4	236.2	231.6	210.2	190.2	185.6	209.0	241.4	269.9
110°	274.7	277.7	279.7	277.7	270.7	243.7	219.8	212.8	233.8	267.7	298.7



TEST NUMBER: P1427913

CATALOG NUMBER: SQ2W-PH1-K-075U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	318.7	320.9	325.3	319.3	307.5	276.5	249.3	239.2	260.1	294.9	326.7
115°	388.6	388.6	389.6	386.6	362.6	330.7	294.7	279.7	297.7	329.7	364.6
117.5°	457.3	458.5	454.5	446.5	418.8	381.6	341.2	317.3	331.5	365.2	401.2
120°	500.5	502.5	498.5	486.5	459.5	417.6	371.6	343.6	354.6	387.6	423.6
122.5°	545.2	544.8	540.0	526.5	494.7	451.1	406.0	371.6	376.2	406.8	441.9
125°	607.4	606.4	602.4	586.4	553.4	508.5	455.5	413.6	407.6	433.6	469.5
127.5°	666.5	664.3	658.1	638.7	605.0	561.6	503.5	455.9	442.5	458.9	491.9
130°	707.3	704.3	693.3	672.3	639.3	598.4	539.4	485.5	466.5	476.5	505.5
132.5°	746.4	737.8	728.4	705.9	675.3	632.7	573.0	516.7	490.5	494.9	517.5
135°	796.2	788.2	776.2	754.2	725.3	683.3	623.4	562.4	526.5	522.5	535.4
137.5°	839.9	831.5	818.0	799.0	769.8	732.4	674.9	610.6	565.2	551.8	556.8
140°	867.1	857.1	845.1	826.1	800.2	761.2	705.3	643.3	592.4	573.4	570.4
142.5°	889.5	881.9	869.1	851.7	828.9	790.0	735.6	674.5	620.4	595.8	588.8
145°	923.0	917.1	903.1	887.1	868.1	829.1	779.2	718.3	664.3	632.3	617.4
147.5°	951.4	946.6	935.6	916.9	900.9	863.5	818.0	764.0	708.7	669.1	649.7
150°	969.0	965.0	954.0	936.0	920.1	885.1	841.1	791.2	738.2	696.3	671.3
152.5°	985.8	981.8	969.2	951.2	937.6	905.1	865.1	817.6	763.8	721.9	696.1
155°	1008.0	1003.0	991.0	974.0	962.0	932.0	895.1	853.1	807.2	763.2	734.2
157.5°	1025.5	1019.3	1008.2	993.6	980.8	953.2	921.0	884.9	844.7	802.8	773.2
160°	1035.9	1028.9	1017.0	1004.0	992.0	966.0	937.0	904.1	867.1	829.1	797.2
162.5°	1043.1	1036.9	1022.5	1011.2	1000.8	977.2	949.8	920.1	887.1	853.9	824.3
165°	1050.9	1043.9	1028.9	1019.9	1011.0	991.0	967.0	943.0	915.1	888.1	864.1
167.5°	1051.5	1045.7	1030.7	1021.9	1015.4	998.2	978.8	960.4	938.6	917.5	897.5
170°	1049.9	1044.9	1029.9	1021.9	1017.0	1003.0	986.0	970.0	953.0	935.0	919.1
172.5°	1044.3	1039.3	1025.1	1018.7	1016.2	1003.8	990.0	978.0	963.4	950.2	937.4
175°	1029.9	1025.9	1014.0	1010.0	1011.0	1003.0	993.0	986.0	977.0	969.0	962.0
177.5°	1009.0	1006.6	997.8	997.8	1001.0	996.2	993.0	989.8	985.8	983.4	981.0
180°	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0



TEST NUMBER: P1427913

CATALOG NUMBER: SQ2W-PH1-K-075U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2538.2	2538.2	2538.2	2538.2	2538.2	2538.2	2538.2	2538.2	2538.2	2538.2	2538.2
2.5°	2512.9	2494.4	2484.1	2476.0	2474.3	2472.5	2474.3	2476.0	2484.1	2494.4	2512.9
5°	2424.2	2374.3	2341.0	2315.5	2313.4	2311.2	2313.4	2315.5	2341.0	2374.3	2424.2
7.5°	2283.9	2226.2	2189.5	2161.5	2159.8	2158.1	2159.8	2161.5	2189.5	2226.2	2283.9
10°	2194.2	2135.2	2101.9	2076.9	2076.9	2076.9	2076.9	2076.9	2101.9	2135.2	2194.2
12.5°	2118.9	2064.1	2039.4	2022.2	2027.4	2032.5	2027.4	2022.2	2039.4	2064.1	2118.9
15°	2021.7	1982.0	1975.5	1973.6	1985.4	1997.3	1985.4	1973.6	1975.5	1982.0	2021.7
17.5°	1942.3	1921.0	1934.8	1948.5	1962.3	1976.0	1962.3	1948.5	1934.8	1921.0	1942.3
20°	1896.4	1884.5	1910.3	1932.8	1945.7	1958.6	1945.7	1932.8	1910.3	1884.5	1896.4
22.5°	1859.9	1854.9	1883.3	1906.2	1913.1	1920.0	1913.1	1906.2	1883.3	1854.9	1859.9
25°	1802.2	1809.1	1833.8	1851.5	1848.3	1845.1	1848.3	1851.5	1833.8	1809.1	1802.2
27.5°	1746.5	1760.4	1775.4	1787.1	1789.1	1791.0	1789.1	1787.1	1775.4	1760.4	1746.5
30°	1702.1	1719.8	1734.8	1749.6	1763.5	1777.5	1763.5	1749.6	1734.8	1719.8	1702.1
32.5°	1652.5	1685.7	1721.3	1756.0	1788.0	1820.0	1788.0	1756.0	1721.3	1685.7	1652.5
35°	1582.4	1630.7	1689.7	1760.3	1865.5	1970.7	1865.5	1760.3	1689.7	1630.7	1582.4
37.5°	1508.6	1559.5	1610.4	1656.9	1690.4	1723.9	1690.4	1656.9	1610.4	1559.5	1508.6
40°	1457.1	1520.4	1585.9	1615.7	1538.4	1461.1	1538.4	1615.7	1585.9	1520.4	1457.1
42.5°	1391.0	1460.7	1546.0	1577.2	1446.7	1316.2	1446.7	1577.2	1546.0	1460.7	1391.0
45°	1293.7	1332.3	1354.8	1348.4	1255.0	1161.6	1255.0	1348.4	1354.8	1332.3	1293.7
47.5°	1225.8	1230.1	1179.7	1132.7	1096.2	1059.7	1096.2	1132.7	1179.7	1230.1	1225.8
50°	1190.6	1184.2	1103.7	1037.4	1013.8	990.2	1013.8	1037.4	1103.7	1184.2	1190.6
52.5°	1162.5	1149.6	1042.5	958.2	942.3	926.4	942.3	958.2	1042.5	1149.6	1162.5
55°	1129.4	1112.3	965.2	854.1	850.9	847.7	850.9	854.1	965.2	1112.3	1129.4
57.5°	1002.9	984.9	857.3	763.1	768.7	774.3	768.7	763.1	857.3	984.9	1002.9
60°	878.8	861.6	773.6	706.0	699.6	693.1	699.6	706.0	773.6	861.6	878.8
62.5°	762.7	742.5	682.8	636.4	630.0	623.6	630.0	636.4	682.8	742.5	762.7
65°	625.0	596.0	546.6	509.6	509.6	509.6	509.6	509.6	546.6	596.0	625.0
67.5°	512.8	484.0	446.5	411.8	386.1	360.3	386.1	411.8	446.5	484.0	512.8
70°	440.9	406.5	364.7	329.0	311.8	294.6	311.8	329.0	364.7	406.5	440.9
72.5°	366.6	333.1	299.0	268.4	248.7	228.9	248.7	268.4	299.0	333.1	366.6
75°	262.2	228.4	197.2	173.3	171.2	169.1	171.2	173.3	197.2	228.4	262.2
77.5°	179.9	156.4	140.7	129.0	129.2	129.4	129.2	129.0	140.7	156.4	179.9
80°	122.4	105.7	104.7	104.1	105.2	106.3	105.2	104.1	104.7	105.7	122.4
82.5°	88.9	80.0	81.5	82.6	82.9	83.1	82.9	82.6	81.5	80.0	88.9
85°	49.4	46.2	41.9	38.4	37.3	36.2	37.3	38.4	41.9	46.2	49.4
87.5°	15.5	15.7	17.1	17.9	18.7	18.3	18.7	17.9	17.1	15.7	15.5
90°	23.0	30.0	37.0	41.0	45.0	43.0	45.0	41.0	37.0	30.0	23.0
92.5°	46.2	57.9	66.5	73.7	76.9	76.5	76.9	73.7	66.5	57.9	46.2
95°	92.9	106.9	120.9	130.9	136.9	134.9	136.9	130.9	120.9	106.9	92.9
97.5°	143.3	162.0	177.6	187.0	193.0	197.0	193.0	187.0	177.6	162.0	143.3
100°	176.8	194.8	212.8	223.8	233.8	237.8	233.8	223.8	212.8	194.8	176.8
102.5°	204.0	227.6	247.1	258.9	267.3	271.3	267.3	258.9	247.1	227.6	204.0
105°	248.7	273.7	294.7	309.7	318.7	321.7	318.7	309.7	294.7	273.7	248.7
107.5°	293.5	319.3	338.7	355.2	366.2	372.6	366.2	355.2	338.7	319.3	293.5
110°	328.7	349.6	370.6	385.6	396.6	400.6	396.6	385.6	370.6	349.6	328.7



TEST NUMBER: P1427913

CATALOG NUMBER: SQ2W-PH1-K-075U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	358.2	381.6	402.6	417.6	430.2	435.8	430.2	417.6	402.6	381.6	358.2
115°	399.6	430.6	449.5	463.5	472.5	477.5	472.5	463.5	449.5	430.6	399.6
117.5°	434.0	466.3	487.1	497.9	502.1	505.7	502.1	497.9	487.1	466.3	434.0
120°	455.5	485.5	509.5	523.5	528.5	530.5	528.5	523.5	509.5	485.5	455.5
122.5°	475.5	503.9	527.1	544.2	552.4	554.4	552.4	544.2	527.1	503.9	475.5
125°	503.5	530.5	554.4	571.4	580.4	585.4	580.4	571.4	554.4	530.5	503.5
127.5°	527.9	557.0	579.0	594.4	603.2	607.2	603.2	594.4	579.0	557.0	527.9
130°	541.4	571.4	593.4	610.4	618.4	622.4	618.4	610.4	593.4	571.4	541.4
132.5°	551.8	583.4	606.2	621.6	630.3	634.3	630.3	621.6	606.2	583.4	551.8
135°	564.4	597.4	621.4	636.3	644.3	648.3	644.3	636.3	621.4	597.4	564.4
137.5°	575.4	605.4	630.3	646.1	653.3	655.9	653.3	646.1	630.3	605.4	575.4
140°	583.4	609.4	634.3	649.3	657.3	658.3	657.3	649.3	634.3	609.4	583.4
142.5°	593.8	614.2	635.9	650.9	658.9	660.7	658.9	650.9	635.9	614.2	593.8
145°	612.4	624.4	639.3	653.3	660.3	662.3	660.3	653.3	639.3	624.4	612.4
147.5°	635.7	639.5	647.3	656.5	663.3	664.7	663.3	656.5	647.3	639.5	635.7
150°	653.3	652.3	655.3	661.3	667.3	666.3	667.3	661.3	655.3	652.3	653.3
152.5°	673.3	667.5	667.3	670.1	672.9	672.7	672.9	670.1	667.3	667.5	673.3
155°	707.3	696.3	690.3	688.3	688.3	687.3	688.3	688.3	690.3	696.3	707.3
157.5°	744.6	729.2	720.3	715.5	714.1	711.9	714.1	715.5	720.3	729.2	744.6
160°	770.2	753.2	744.2	736.2	733.2	730.2	733.2	736.2	744.2	753.2	770.2
162.5°	794.2	778.0	768.2	761.0	758.0	753.4	758.0	761.0	768.2	778.0	794.2
165°	833.1	816.2	805.2	799.2	795.2	791.2	795.2	799.2	805.2	816.2	833.1
167.5°	872.1	853.5	846.3	839.5	835.7	828.5	835.7	839.5	846.3	853.5	872.1
170°	896.1	879.1	875.1	869.1	862.1	854.1	862.1	869.1	875.1	879.1	896.1
172.5°	916.9	905.5	901.5	895.5	893.3	886.9	893.3	895.5	901.5	905.5	916.9
175°	947.0	938.0	938.0	937.0	934.0	928.0	934.0	937.0	938.0	938.0	947.0
177.5°	972.2	967.4	970.6	970.6	969.8	964.2	969.8	970.6	970.6	967.4	972.2
180°	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0



TEST NUMBER: P1427913

CATALOG NUMBER: SQ2W-PH1-K-075U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2538.2	2538.2	2538.2	2538.2
2.5°	2539.5	2556.5	2544.4	2532.4
5°	2490.7	2540.9	2542.0	2543.1
7.5°	2362.7	2430.1	2463.4	2496.7
10°	2279.0	2355.2	2405.7	2456.1
12.5°	2203.7	2287.2	2366.8	2446.5
15°	2094.7	2179.5	2299.7	2419.9
17.5°	1998.5	2073.1	2202.5	2332.0
20°	1945.7	2014.7	2142.4	2270.2
22.5°	1898.1	1959.1	2088.5	2218.0
25°	1812.9	1857.4	2003.4	2149.4
27.5°	1733.8	1762.5	1914.9	2067.3
30°	1681.7	1704.5	1856.9	2009.3
32.5°	1621.8	1638.2	1795.7	1953.3
35°	1544.8	1557.7	1721.9	1886.2
37.5°	1457.7	1463.6	1639.6	1815.6
40°	1395.9	1396.2	1580.8	1765.4
42.5°	1336.7	1342.1	1526.7	1711.3
45°	1238.9	1245.9	1438.0	1630.2
47.5°	1166.8	1168.3	1351.4	1534.5
50°	1123.0	1115.5	1288.3	1461.1
52.5°	1081.1	1061.2	1225.4	1389.6
55°	1016.7	971.7	1129.4	1287.2
57.5°	911.4	880.2	1029.4	1178.5
60°	825.1	821.1	966.0	1110.9
62.5°	743.4	763.4	901.4	1039.4
65°	633.5	671.4	797.0	922.6
67.5°	532.8	575.1	684.6	794.1
70°	467.7	512.0	608.6	705.2
72.5°	399.5	444.8	527.7	610.5
75°	298.7	342.7	409.2	475.8
77.5°	211.2	246.9	295.4	343.9
80°	154.6	187.8	224.3	260.8
82.5°	108.2	129.4	156.5	183.5
85°	51.5	56.4	69.2	82.1
87.5°	17.1	17.9	17.9	18.0
90°	18.0	11.0	7.0	3.0
92.5°	38.8	27.0	19.0	11.0
95°	77.9	61.9	44.0	31.0
97.5°	124.1	98.3	80.5	59.1
100°	148.8	123.9	106.9	83.9
102.5°	176.0	155.0	131.7	108.7
105°	224.8	198.8	171.8	145.8
107.5°	269.9	241.4	209.0	185.6
110°	298.7	267.7	233.8	212.8



TEST NUMBER: P1427913

CATALOG NUMBER: SQ2W-PH1-K-075U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	326.7	294.9	260.1	239.2
115°	364.6	329.7	297.7	279.7
117.5°	401.2	365.2	331.5	317.3
120°	423.6	387.6	354.6	343.6
122.5°	441.9	406.8	376.2	371.6
125°	469.5	433.6	407.6	413.6
127.5°	491.9	458.9	442.5	455.9
130°	505.5	476.5	466.5	485.5
132.5°	517.5	494.9	490.5	516.7
135°	535.4	522.5	526.5	562.4
137.5°	556.8	551.8	565.2	610.6
140°	570.4	573.4	592.4	643.3
142.5°	588.8	595.8	620.4	674.5
145°	617.4	632.3	664.3	718.3
147.5°	649.7	669.1	708.7	764.0
150°	671.3	696.3	738.2	791.2
152.5°	696.1	721.9	763.8	817.6
155°	734.2	763.2	807.2	853.1
157.5°	773.2	802.8	844.7	884.9
160°	797.2	829.1	867.1	904.1
162.5°	824.3	853.9	887.1	920.1
165°	864.1	888.1	915.1	943.0
167.5°	897.5	917.5	938.6	960.4
170°	919.1	935.0	953.0	970.0
172.5°	937.4	950.2	963.4	978.0
175°	962.0	969.0	977.0	986.0
177.5°	981.0	983.4	985.8	989.8
180°	989.0	989.0	989.0	989.0



TEST NUMBER: P1427913

CATALOG NUMBER: SQ2W-PH1-K-075U-125D-L935-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	21.14	22.16	21.95	22.99	24.01	19.97	20.99	20.78	21.82	22.84
	3H	23.33	24.24	24.15	25.08	26.13	21.03	21.95	21.86	22.78	23.84
	4H	24.15	25.01	24.99	25.86	26.92	21.29	22.15	22.12	22.99	24.05
	6H	24.63	25.42	25.48	26.27	27.35	21.44	22.23	22.29	23.08	24.16
	8H	24.78	25.54	25.64	26.41	27.48	21.50	22.25	22.36	23.12	24.20
	12H	24.85	25.56	25.71	26.43	27.53	21.52	22.23	22.38	23.10	24.20
4H	2H	21.60	22.46	22.44	23.30	24.37	20.68	21.53	21.52	22.38	23.44
	3H	23.86	24.58	24.72	25.46	26.54	21.92	22.63	22.77	23.51	24.59
	4H	24.74	25.39	25.61	26.27	27.38	22.22	22.87	23.09	23.74	24.85
	6H	25.31	25.87	26.20	26.77	27.88	22.43	22.99	23.31	23.89	24.99
	8H	25.52	26.04	26.40	26.94	28.06	22.52	23.04	23.40	23.94	25.06
	12H	25.61	26.08	26.52	27.00	28.12	22.55	23.02	23.46	23.94	25.06
8H	4H	24.78	25.30	25.66	26.20	27.32	22.46	22.98	23.34	23.88	25.00
	6H	25.41	25.85	26.33	26.78	27.91	22.73	23.17	23.65	24.10	25.22
	8H	25.68	26.06	26.60	26.99	28.13	22.88	23.26	23.81	24.19	25.33
	12H	25.82	26.15	26.74	27.08	28.27	22.95	23.29	23.88	24.21	25.40
12H	4H	24.74	25.21	25.64	26.12	27.25	22.46	22.93	23.37	23.85	24.98
	6H	25.39	25.78	26.32	26.71	27.84	22.77	23.15	23.69	24.08	25.22
	8H	25.67	26.01	26.60	26.93	28.12	22.94	23.28	23.87	24.20	25.39