

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: P1428239

Luminaire Tested: SQ2W-PR1-K-075U-100D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428239
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PR1-K-075U-100D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

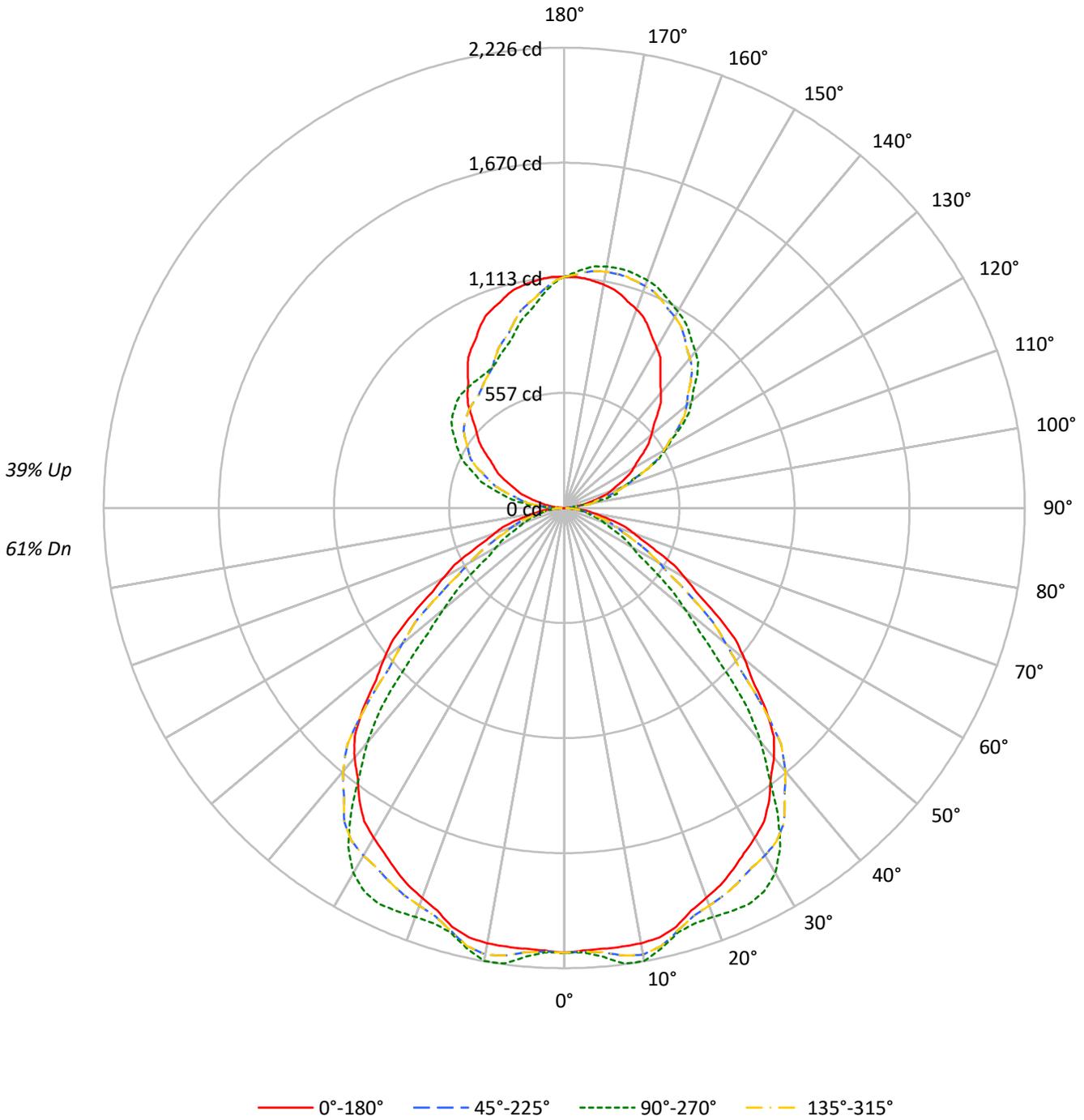
Lumens per Lamp: N/A
Luminaire Lumens: 8445.1 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 61.2
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

TEST NUMBER: P1428239

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-L830-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428239

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-L830-UNV-STD-W-WM-4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	61				
1	101	97	93	90	95	91	88	85	80	77	75	70	68	66	60	59	58	53				
2	93	86	80	75	87	80	75	71	71	67	64	62	59	57	54	52	50	46				
3	85	76	69	63	79	71	65	60	63	58	54	55	52	49	48	46	43	40				
4	78	68	60	54	73	64	57	52	57	51	47	50	46	42	44	40	38	35				
5	72	61	53	47	67	57	50	45	51	45	41	45	41	37	40	36	33	30				
6	67	55	47	41	62	52	45	39	46	40	36	41	36	33	36	32	30	27				
7	62	50	42	36	58	47	40	35	42	36	32	37	33	29	33	29	26	24				
8	57	45	37	32	54	43	36	31	38	33	29	34	30	26	30	27	24	22				
9	53	41	34	29	50	39	32	28	35	30	26	32	27	24	28	24	22	20				
10	50	38	31	26	47	36	30	25	33	27	23	29	25	21	26	22	20	18				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	34734	34734	34734	34734
5°	34688	35329	34688	35329
10°	35053	36493	35053	36493
15°	35043	35520	35043	35520
20°	34477	36171	34477	36171
25°	34379	37660	34379	37660
30°	34343	38021	34343	38021
35°	34018	35399	34018	35399
40°	33231	31153	33231	31153
45°	31446	24635	31446	24635
50°	28587	19115	28587	19115
55°	25123	14877	25123	14877
60°	21738	12251	21738	12251
65°	18766	10724	18766	10724
70°	16876	9526	16876	9526
75°	15458	8752	15458	8752
80°	13454	8563	13454	8563
85°	9744	4057	9744	4057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 33759 cd/sqm



TEST NUMBER: P1428239

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-L830-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.8	2.5
10°-20°	601.4	7.1
20°-30°	929.7	11.0
30°-40°	1118.0	13.2
40°-50°	1004.0	11.9
50°-60°	672.7	8.0
60°-70°	391.3	4.6
70°-80°	201.0	2.4
80°-90°	54.2	0.6
90°-100°	89.0	1.1
100°-110°	259.5	3.1
110°-120°	423.5	5.0
120°-130°	537.4	6.4
130°-140°	575.1	6.8
140°-150°	537.0	6.4
150°-160°	441.9	5.2
160°-170°	296.3	3.5
170°-180°	105.2	1.2
0°-30°	1738.9	20.6
0°-40°	2856.9	33.8
0°-60°	4533.7	53.7
0°-90°	5180.2	61.3
90°-120°	772.0	9.1
90°-150°	2421.5	28.7
90°-180°	3265.0	38.7
0°-180°	8445.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2151	2151	2151	2151	2151	
5°	2140	2180	2140	2180	2140	204
15°	2096	2125	2096	2125	2096	589
25°	1930	2114	1930	2114	1930	890
35°	1726	1796	1726	1796	1726	1076
45°	1377	1079	1377	1079	1377	1053
55°	892	528	892	528	892	802
65°	491	281	491	281	491	497
75°	248	140	248	140	248	263
85°	53	22	53	22	53	65
90°	3	25	3	49	3	5
95°	35	26	35	152	35	42
105°	165	264	165	364	165	175
115°	316	438	316	540	316	312
125°	468	695	468	662	468	418
135°	636	909	636	733	636	491
145°	812	1048	812	749	812	508
155°	965	1138	965	777	965	443
165°	1066	1187	1066	894	1066	300
175°	1115	1162	1115	1049	1115	106
180°	1118	1118	1118	1118	1118	



TEST NUMBER: P1428239

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3
2.5°	2142.5	2154.2	2165.9	2160.6	2149.7	2144.7	2145.4	2146.6	2149.0	2151.3	2149.0
5°	2140.3	2156.9	2173.5	2169.6	2158.8	2154.5	2156.4	2160.3	2170.1	2179.8	2170.1
7.5°	2139.9	2163.5	2187.1	2188.9	2183.4	2183.5	2189.2	2196.6	2209.5	2222.3	2209.5
10°	2138.1	2166.4	2194.7	2198.8	2194.9	2193.4	2194.4	2198.6	2212.2	2225.9	2212.2
12.5°	2127.6	2160.5	2193.5	2190.0	2174.4	2166.0	2164.6	2165.4	2172.8	2180.2	2172.8
15°	2096.5	2135.5	2174.4	2158.6	2124.5	2108.9	2111.8	2115.2	2120.1	2125.0	2120.1
17.5°	2041.6	2082.4	2123.1	2108.9	2076.3	2065.3	2075.9	2086.1	2095.7	2105.2	2095.7
20°	2006.6	2046.5	2086.5	2076.7	2050.4	2044.1	2057.7	2072.1	2088.7	2105.2	2088.7
22.5°	1975.0	2014.9	2054.9	2048.7	2027.0	2025.8	2044.9	2064.9	2087.7	2110.5	2087.7
25°	1929.8	1964.9	2000.0	2000.7	1990.0	2000.7	2032.9	2063.3	2088.7	2114.0	2088.7
27.5°	1882.4	1903.1	1923.8	1937.4	1948.7	1976.1	2019.6	2056.6	2074.3	2092.1	2074.3
30°	1842.1	1855.7	1869.4	1894.7	1924.0	1957.6	1995.6	2025.8	2032.6	2039.4	2032.6
32.5°	1798.2	1806.4	1814.6	1850.3	1895.1	1927.6	1947.6	1960.5	1951.7	1943.0	1951.7
35°	1725.9	1732.7	1739.5	1785.1	1843.5	1865.0	1849.4	1833.1	1814.5	1796.0	1814.5
37.5°	1639.9	1653.9	1668.0	1705.1	1749.9	1749.5	1703.9	1664.4	1643.2	1621.9	1643.2
40°	1576.7	1600.1	1623.5	1648.4	1673.7	1652.3	1584.0	1526.8	1502.4	1478.1	1502.4
42.5°	1499.5	1537.0	1574.4	1580.0	1574.9	1528.9	1441.9	1369.3	1339.5	1309.6	1339.5
45°	1377.2	1427.9	1478.5	1449.5	1394.0	1318.9	1224.4	1145.2	1112.1	1078.9	1112.1
47.5°	1232.9	1284.9	1337.0	1282.3	1192.0	1104.7	1020.3	949.3	918.3	887.3	918.3
50°	1138.1	1180.1	1222.0	1160.1	1063.6	975.9	896.9	829.2	795.1	761.0	795.1
52.5°	1041.7	1071.9	1102.1	1040.8	949.0	863.6	784.6	717.7	686.7	655.7	686.7
55°	892.5	908.1	923.7	866.9	786.1	708.1	633.0	571.4	549.9	528.5	549.9
57.5°	755.7	765.6	775.6	721.8	646.7	577.3	513.6	461.8	446.0	430.3	446.0
60°	673.2	680.1	686.9	632.3	557.3	494.9	445.2	404.7	392.1	379.4	392.1
62.5°	597.8	603.1	608.3	555.7	483.8	428.0	388.4	356.4	346.8	337.3	346.8
65°	491.2	496.1	501.0	456.1	394.7	348.9	318.7	294.3	287.5	280.7	287.5
67.5°	406.6	409.1	411.6	374.7	324.6	287.7	263.9	244.4	238.0	231.6	238.0
70°	357.5	358.4	359.4	326.8	282.9	250.2	228.8	211.5	206.6	201.8	206.6
72.5°	313.6	312.2	310.9	281.7	243.3	215.3	197.8	183.8	180.5	177.2	180.5
75°	247.8	244.9	242.0	217.8	186.6	165.2	153.5	144.2	142.3	140.3	142.3
77.5°	185.1	182.0	178.8	158.8	133.0	118.2	114.3	111.4	111.4	111.4	111.4
80°	144.7	140.8	136.9	121.3	101.9	92.1	92.1	92.1	92.1	92.1	92.1
82.5°	107.9	102.4	97.0	87.4	76.5	71.1	71.1	70.9	70.1	69.3	70.1
85°	52.6	47.8	42.9	41.7	41.7	38.7	32.9	27.8	24.9	21.9	24.9
87.5°	14.7	15.6	16.7	14.7	11.5	9.8	9.8	10.0	10.2	10.2	10.2
90°	3.4	7.9	13.6	18.1	21.5	22.6	22.6	23.7	24.8	24.8	24.8
92.5°	12.4	19.7	19.9	19.9	24.2	26.2	28.0	28.2	29.4	29.4	29.4
95°	35.0	38.4	57.6	56.5	38.4	30.5	26.0	26.0	26.0	26.0	26.0
97.5°	66.9	71.8	75.0	100.5	106.2	102.6	83.6	70.3	62.8	59.4	62.8
100°	94.9	97.1	103.9	105.0	133.3	160.4	146.8	129.9	124.2	120.9	124.2
102.5°	122.9	124.2	134.6	139.4	145.9	161.3	208.3	203.1	199.2	198.6	199.2
105°	164.9	166.0	185.2	194.3	198.8	198.8	197.7	220.2	256.4	264.3	256.4
107.5°	209.9	215.1	237.6	261.8	267.0	268.4	262.5	259.1	257.7	258.7	257.7
110°	240.6	248.5	275.6	306.1	314.0	316.3	314.0	310.6	308.3	308.3	308.3



TEST NUMBER: P1428239

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1428239

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3
2.5°	2146.6	2145.4	2144.7	2149.7	2160.6	2165.9	2154.2	2142.5	2154.2	2165.9	2160.6
5°	2160.3	2156.4	2154.5	2158.8	2169.6	2173.5	2156.9	2140.3	2156.9	2173.5	2169.6
7.5°	2196.6	2189.2	2183.5	2183.4	2188.9	2187.1	2163.5	2139.9	2163.5	2187.1	2188.9
10°	2198.6	2194.4	2193.4	2194.9	2198.8	2194.7	2166.4	2138.1	2166.4	2194.7	2198.8
12.5°	2165.4	2164.6	2166.0	2174.4	2190.0	2193.5	2160.5	2127.6	2160.5	2193.5	2190.0
15°	2115.2	2111.8	2108.9	2124.5	2158.6	2174.4	2135.5	2096.5	2135.5	2174.4	2158.6
17.5°	2086.1	2075.9	2065.3	2076.3	2108.9	2123.1	2082.4	2041.6	2082.4	2123.1	2108.9
20°	2072.1	2057.7	2044.1	2050.4	2076.7	2086.5	2046.5	2006.6	2046.5	2086.5	2076.7
22.5°	2064.9	2044.9	2025.8	2027.0	2048.7	2054.9	2014.9	1975.0	2014.9	2054.9	2048.7
25°	2063.3	2032.9	2000.7	1990.0	2000.7	2000.0	1964.9	1929.8	1964.9	2000.0	2000.7
27.5°	2056.6	2019.6	1976.1	1948.7	1937.4	1923.8	1903.1	1882.4	1903.1	1923.8	1937.4
30°	2025.8	1995.6	1957.6	1924.0	1894.7	1869.4	1855.7	1842.1	1855.7	1869.4	1894.7
32.5°	1960.5	1947.6	1927.6	1895.1	1850.3	1814.6	1806.4	1798.2	1806.4	1814.6	1850.3
35°	1833.1	1849.4	1865.0	1843.5	1785.1	1739.5	1732.7	1725.9	1732.7	1739.5	1785.1
37.5°	1664.4	1703.9	1749.5	1749.9	1705.1	1668.0	1653.9	1639.9	1653.9	1668.0	1705.1
40°	1526.8	1584.0	1652.3	1673.7	1648.4	1623.5	1600.1	1576.7	1600.1	1623.5	1648.4
42.5°	1369.3	1441.9	1528.9	1574.9	1580.0	1574.4	1537.0	1499.5	1537.0	1574.4	1580.0
45°	1145.2	1224.4	1318.9	1394.0	1449.5	1478.5	1427.9	1377.2	1427.9	1478.5	1449.5
47.5°	949.3	1020.3	1104.7	1192.0	1282.3	1337.0	1284.9	1232.9	1284.9	1337.0	1282.3
50°	829.2	896.9	975.9	1063.6	1160.1	1222.0	1180.1	1138.1	1180.1	1222.0	1160.1
52.5°	717.7	784.6	863.6	949.0	1040.8	1102.1	1071.9	1041.7	1071.9	1102.1	1040.8
55°	571.4	633.0	708.1	786.1	866.9	923.7	908.1	892.5	908.1	923.7	866.9
57.5°	461.8	513.6	577.3	646.7	721.8	775.6	765.6	755.7	765.6	775.6	721.8
60°	404.7	445.2	494.9	557.3	632.3	686.9	680.1	673.2	680.1	686.9	632.3
62.5°	356.4	388.4	428.0	483.8	555.7	608.3	603.1	597.8	603.1	608.3	555.7
65°	294.3	318.7	348.9	394.7	456.1	501.0	496.1	491.2	496.1	501.0	456.1
67.5°	244.4	263.9	287.7	324.6	374.7	411.6	409.1	406.6	409.1	411.6	374.7
70°	211.5	228.8	250.2	282.9	326.8	359.4	358.4	357.5	358.4	359.4	326.8
72.5°	183.8	197.8	215.3	243.3	281.7	310.9	312.2	313.6	312.2	310.9	281.7
75°	144.2	153.5	165.2	186.6	217.8	242.0	244.9	247.8	244.9	242.0	217.8
77.5°	111.4	114.3	118.2	133.0	158.8	178.8	182.0	185.1	182.0	178.8	158.8
80°	92.1	92.1	92.1	101.9	121.3	136.9	140.8	144.7	140.8	136.9	121.3
82.5°	70.9	71.1	71.1	76.5	87.4	97.0	102.4	107.9	102.4	97.0	87.4
85°	27.8	32.9	38.7	41.7	41.7	42.9	47.8	52.6	47.8	42.9	41.7
87.5°	10.0	9.8	9.8	11.5	14.7	16.7	15.6	14.7	15.6	16.5	15.2
90°	23.7	22.6	22.6	21.5	18.1	13.6	7.9	3.4	7.9	12.4	20.3
92.5°	28.2	28.0	26.2	24.2	19.9	19.9	19.7	12.4	21.5	30.5	43.8
95°	26.0	26.0	30.5	38.4	56.5	57.6	38.4	35.0	49.7	70.0	88.1
97.5°	70.3	83.6	102.6	106.2	100.5	75.0	71.8	66.9	91.0	111.1	140.3
100°	129.9	146.8	160.4	133.3	105.0	103.9	97.1	94.9	120.9	140.1	168.3
102.5°	203.1	208.3	161.3	145.9	139.4	134.6	124.2	122.9	148.9	175.3	199.0
105°	220.2	197.7	198.8	198.8	194.3	185.2	166.0	164.9	194.3	224.8	254.1
107.5°	259.1	262.5	268.4	267.0	261.8	237.6	215.1	209.9	236.3	272.9	305.2
110°	310.6	314.0	316.3	314.0	306.1	275.6	248.5	240.6	264.3	302.7	337.7



TEST NUMBER: P1428239

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1428239

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3	2151.3
2.5°	2149.7	2144.7	2145.4	2146.6	2149.0	2151.3	2149.0	2146.6	2145.4	2144.7	2149.7
5°	2158.8	2154.5	2156.4	2160.3	2170.1	2179.8	2170.1	2160.3	2156.4	2154.5	2158.8
7.5°	2183.4	2183.5	2189.2	2196.6	2209.5	2222.3	2209.5	2196.6	2189.2	2183.5	2183.4
10°	2194.9	2193.4	2194.4	2198.6	2212.2	2225.9	2212.2	2198.6	2194.4	2193.4	2194.9
12.5°	2174.4	2166.0	2164.6	2165.4	2172.8	2180.2	2172.8	2165.4	2164.6	2166.0	2174.4
15°	2124.5	2108.9	2111.8	2115.2	2120.1	2125.0	2120.1	2115.2	2111.8	2108.9	2124.5
17.5°	2076.3	2065.3	2075.9	2086.1	2095.7	2105.2	2095.7	2086.1	2075.9	2065.3	2076.3
20°	2050.4	2044.1	2057.7	2072.1	2088.7	2105.2	2088.7	2072.1	2057.7	2044.1	2050.4
22.5°	2027.0	2025.8	2044.9	2064.9	2087.7	2110.5	2087.7	2064.9	2044.9	2025.8	2027.0
25°	1990.0	2000.7	2032.9	2063.3	2088.7	2114.0	2088.7	2063.3	2032.9	2000.7	1990.0
27.5°	1948.7	1976.1	2019.6	2056.6	2074.3	2092.1	2074.3	2056.6	2019.6	1976.1	1948.7
30°	1924.0	1957.6	1995.6	2025.8	2032.6	2039.4	2032.6	2025.8	1995.6	1957.6	1924.0
32.5°	1895.1	1927.6	1947.6	1960.5	1951.7	1943.0	1951.7	1960.5	1947.6	1927.6	1895.1
35°	1843.5	1865.0	1849.4	1833.1	1814.5	1796.0	1814.5	1833.1	1849.4	1865.0	1843.5
37.5°	1749.9	1749.5	1703.9	1664.4	1643.2	1621.9	1643.2	1664.4	1703.9	1749.5	1749.9
40°	1673.7	1652.3	1584.0	1526.8	1502.4	1478.1	1502.4	1526.8	1584.0	1652.3	1673.7
42.5°	1574.9	1528.9	1441.9	1369.3	1339.5	1309.6	1339.5	1369.3	1441.9	1528.9	1574.9
45°	1394.0	1318.9	1224.4	1145.2	1112.1	1078.9	1112.1	1145.2	1224.4	1318.9	1394.0
47.5°	1192.0	1104.7	1020.3	949.3	918.3	887.3	918.3	949.3	1020.3	1104.7	1192.0
50°	1063.6	975.9	896.9	829.2	795.1	761.0	795.1	829.2	896.9	975.9	1063.6
52.5°	949.0	863.6	784.6	717.7	686.7	655.7	686.7	717.7	784.6	863.6	949.0
55°	786.1	708.1	633.0	571.4	549.9	528.5	549.9	571.4	633.0	708.1	786.1
57.5°	646.7	577.3	513.6	461.8	446.0	430.3	446.0	461.8	513.6	577.3	646.7
60°	557.3	494.9	445.2	404.7	392.1	379.4	392.1	404.7	445.2	494.9	557.3
62.5°	483.8	428.0	388.4	356.4	346.8	337.3	346.8	356.4	388.4	428.0	483.8
65°	394.7	348.9	318.7	294.3	287.5	280.7	287.5	294.3	318.7	348.9	394.7
67.5°	324.6	287.7	263.9	244.4	238.0	231.6	238.0	244.4	263.9	287.7	324.6
70°	282.9	250.2	228.8	211.5	206.6	201.8	206.6	211.5	228.8	250.2	282.9
72.5°	243.3	215.3	197.8	183.8	180.5	177.2	180.5	183.8	197.8	215.3	243.3
75°	186.6	165.2	153.5	144.2	142.3	140.3	142.3	144.2	153.5	165.2	186.6
77.5°	133.0	118.2	114.3	111.4	111.4	111.4	111.4	111.4	114.3	118.2	133.0
80°	101.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	101.9
82.5°	76.5	71.1	71.1	70.9	70.1	69.3	70.1	70.9	71.1	71.1	76.5
85°	41.7	38.7	32.9	27.8	24.9	21.9	24.9	27.8	32.9	38.7	41.7
87.5°	12.4	12.0	13.6	14.5	15.4	15.0	15.4	14.5	13.6	12.0	12.4
90°	26.0	33.9	41.8	46.3	50.8	48.6	50.8	46.3	41.8	33.9	26.0
92.5°	52.2	65.5	75.2	83.4	87.0	86.5	87.0	83.4	75.2	65.5	52.2
95°	105.0	120.9	136.7	148.0	154.7	152.5	154.7	148.0	136.7	120.9	105.0
97.5°	162.0	183.2	200.8	211.4	218.2	222.7	218.2	211.4	200.8	183.2	162.0
100°	199.9	220.2	240.6	253.0	264.3	268.8	264.3	253.0	240.6	220.2	199.9
102.5°	230.6	257.3	279.4	292.8	302.2	306.8	302.2	292.8	279.4	257.3	230.6
105°	281.2	309.5	333.2	350.1	360.3	363.7	360.3	350.1	333.2	309.5	281.2
107.5°	331.8	361.0	382.9	401.6	414.1	421.3	414.1	401.6	382.9	361.0	331.8
110°	371.6	395.3	419.0	436.0	448.4	452.9	448.4	436.0	419.0	395.3	371.6



TEST NUMBER: P1428239

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1428239

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2151.3	2151.3	2151.3	2151.3
2.5°	2160.6	2165.9	2154.2	2142.5
5°	2169.6	2173.5	2156.9	2140.3
7.5°	2188.9	2187.1	2163.5	2139.9
10°	2198.8	2194.7	2166.4	2138.1
12.5°	2190.0	2193.5	2160.5	2127.6
15°	2158.6	2174.4	2135.5	2096.5
17.5°	2108.9	2123.1	2082.4	2041.6
20°	2076.7	2086.5	2046.5	2006.6
22.5°	2048.7	2054.9	2014.9	1975.0
25°	2000.7	2000.0	1964.9	1929.8
27.5°	1937.4	1923.8	1903.1	1882.4
30°	1894.7	1869.4	1855.7	1842.1
32.5°	1850.3	1814.6	1806.4	1798.2
35°	1785.1	1739.5	1732.7	1725.9
37.5°	1705.1	1668.0	1653.9	1639.9
40°	1648.4	1623.5	1600.1	1576.7
42.5°	1580.0	1574.4	1537.0	1499.5
45°	1449.5	1478.5	1427.9	1377.2
47.5°	1282.3	1337.0	1284.9	1232.9
50°	1160.1	1222.0	1180.1	1138.1
52.5°	1040.8	1102.1	1071.9	1041.7
55°	866.9	923.7	908.1	892.5
57.5°	721.8	775.6	765.6	755.7
60°	632.3	686.9	680.1	673.2
62.5°	555.7	608.3	603.1	597.8
65°	456.1	501.0	496.1	491.2
67.5°	374.7	411.6	409.1	406.6
70°	326.8	359.4	358.4	357.5
72.5°	281.7	310.9	312.2	313.6
75°	217.8	242.0	244.9	247.8
77.5°	158.8	178.8	182.0	185.1
80°	121.3	136.9	140.8	144.7
82.5°	87.4	97.0	102.4	107.9
85°	41.7	42.9	47.8	52.6
87.5°	15.2	16.5	15.6	14.7
90°	20.3	12.4	7.9	3.4
92.5°	43.8	30.5	21.5	12.4
95°	88.1	70.0	49.7	35.0
97.5°	140.3	111.1	91.0	66.9
100°	168.3	140.1	120.9	94.9
102.5°	199.0	175.3	148.9	122.9
105°	254.1	224.8	194.3	164.9
107.5°	305.2	272.9	236.3	209.9
110°	337.7	302.7	264.3	240.6



TEST NUMBER: P1428239

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1428239
 CATALOG NUMBER: SQ2W-PR1-K-075U-100D-L830-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	20.00	20.92	20.86	21.80	22.90	16.37	17.29	17.23	18.17	19.27
	3H	21.21	22.03	22.09	22.92	24.05	17.53	18.36	18.41	19.24	20.37
	4H	21.70	22.47	22.59	23.37	24.51	18.00	18.78	18.89	19.67	20.81
	6H	22.00	22.71	22.90	23.61	24.76	18.35	19.06	19.25	19.96	21.11
	8H	22.10	22.78	23.02	23.70	24.85	18.48	19.16	19.40	20.08	21.23
	12H	22.15	22.79	23.06	23.70	24.88	18.52	19.16	19.43	20.07	21.25
4H	2H	20.11	20.88	21.01	21.78	22.92	17.09	17.86	17.98	18.75	19.89
	3H	21.58	22.22	22.48	23.14	24.30	18.45	19.09	19.35	20.01	21.17
	4H	22.21	22.79	23.13	23.71	24.89	19.00	19.58	19.91	20.50	21.68
	6H	22.64	23.14	23.57	24.09	25.27	19.43	19.93	20.36	20.88	22.06
	8H	22.80	23.27	23.74	24.21	25.40	19.62	20.08	20.55	21.02	22.22
	12H	22.87	23.29	23.82	24.25	25.45	19.67	20.09	20.62	21.04	22.24
8H	4H	22.24	22.71	23.17	23.64	24.84	19.33	19.80	20.26	20.73	21.93
	6H	22.77	23.16	23.73	24.14	25.33	19.87	20.26	20.83	21.24	22.43
	8H	23.00	23.35	23.97	24.32	25.53	20.13	20.47	21.10	21.44	22.66
	12H	23.13	23.43	24.10	24.39	25.65	20.23	20.53	21.20	21.49	22.75
12H	4H	22.20	22.62	23.15	23.58	24.78	19.35	19.77	20.30	20.73	21.93
	6H	22.76	23.10	23.73	24.07	25.29	19.94	20.28	20.91	21.25	22.47
	8H	23.01	23.32	23.98	24.28	25.54	20.23	20.54	21.20	21.50	22.76