

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: P1428244

Luminaire Tested: SQ2W-PR1-K-075U-100D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428244
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-L940-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: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

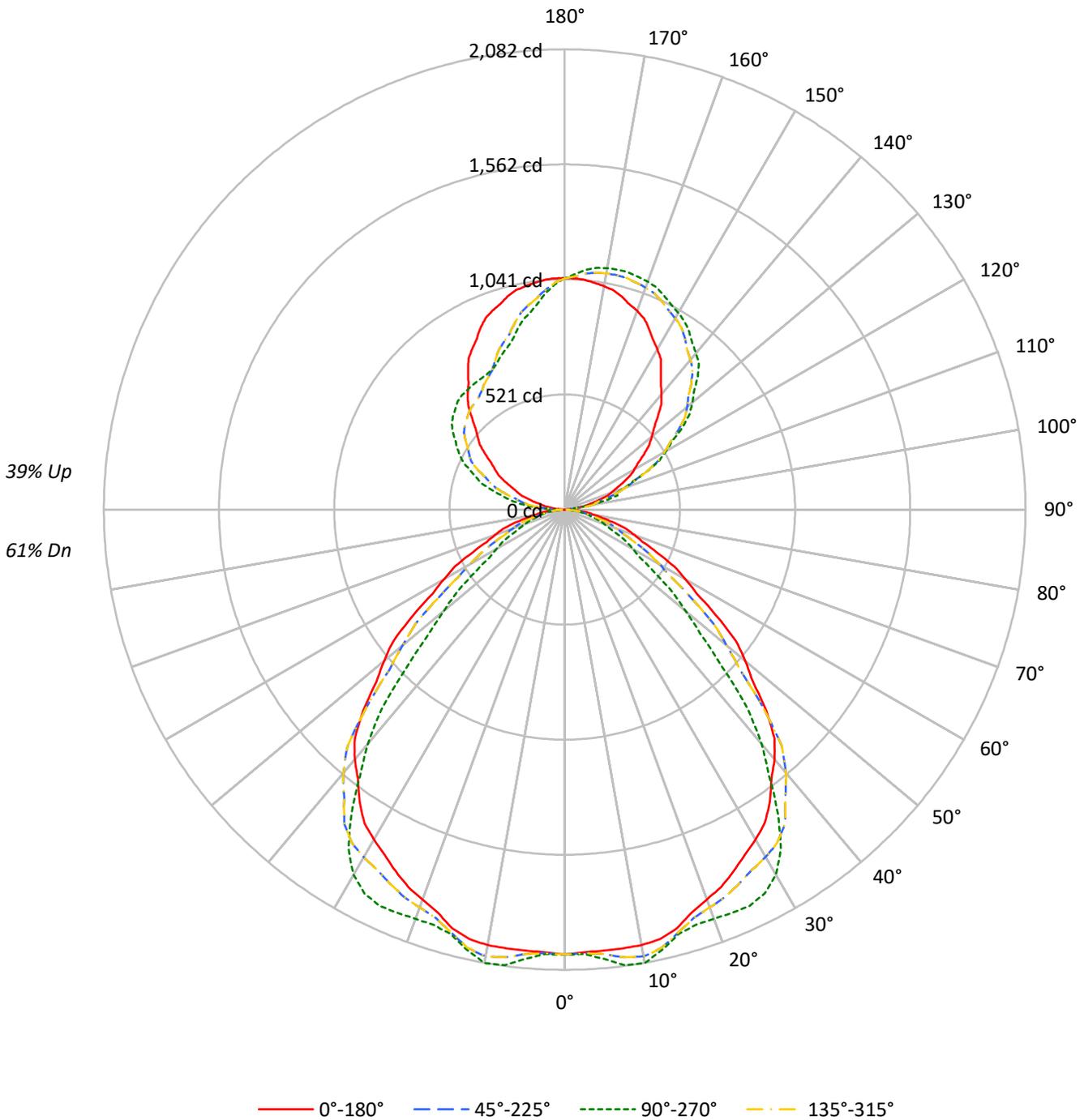
Lumens per Lamp: N/A
Luminaire Lumens: 7900.8 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 61.2
Input Voltage (V): 120
Input Current (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

TEST NUMBER: P1428244

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-L940-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428244

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-L940-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°	32495	32495	32495	32495
5°	32453	33051	32453	33051
10°	32794	34140	32794	34140
15°	32783	33230	32783	33230
20°	32254	33839	32254	33839
25°	32163	35234	32163	35234
30°	32130	35571	32130	35571
35°	31824	33119	31824	33119
40°	31090	29145	31090	29145
45°	29418	23048	29418	23048
50°	26746	17882	26746	17882
55°	23504	13917	23504	13917
60°	20337	11460	20337	11460
65°	17558	10032	17558	10032
70°	15786	8908	15786	8908
75°	14460	8191	14460	8191
80°	12589	8015	12589	8015
85°	9114	3798	9114	3798

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 31583 cd/sqm



TEST NUMBER: P1428244

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-L940-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.4	2.5
10°-20°	562.7	7.1
20°-30°	869.8	11.0
30°-40°	1046.0	13.2
40°-50°	939.3	11.9
50°-60°	629.4	8.0
60°-70°	366.1	4.6
70°-80°	188.1	2.4
80°-90°	50.7	0.6
90°-100°	83.3	1.1
100°-110°	242.8	3.1
110°-120°	396.2	5.0
120°-130°	502.8	6.4
130°-140°	538.0	6.8
140°-150°	502.4	6.4
150°-160°	413.4	5.2
160°-170°	277.2	3.5
170°-180°	98.4	1.2
0°-30°	1626.8	20.6
0°-40°	2672.8	33.8
0°-60°	4241.4	53.7
0°-90°	4846.3	61.3
90°-120°	722.3	9.1
90°-150°	2265.4	28.7
90°-180°	3054.0	38.7
0°-180°	7900.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2013	2013	2013	2013	2013	
5°	2002	2039	2002	2039	2002	191
15°	1961	1988	1961	1988	1961	551
25°	1805	1978	1805	1978	1805	833
35°	1615	1680	1615	1680	1615	1007
45°	1288	1009	1288	1009	1288	986
55°	835	494	835	494	835	750
65°	460	263	460	263	460	465
75°	232	131	232	131	232	246
85°	49	20	49	20	49	61
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	



TEST NUMBER: P1428244

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6
2.5°	2004.4	2015.4	2026.3	2021.4	2011.2	2006.4	2007.2	2008.3	2010.4	2012.6	2010.4
5°	2002.4	2017.9	2033.4	2029.7	2019.7	2015.6	2017.4	2021.1	2030.2	2039.3	2030.2
7.5°	2002.0	2024.0	2046.1	2047.8	2042.7	2042.8	2048.1	2055.0	2067.1	2079.1	2067.1
10°	2000.3	2026.8	2053.2	2057.1	2053.4	2052.1	2053.0	2056.9	2069.6	2082.4	2069.6
12.5°	1990.5	2021.3	2052.1	2048.9	2034.3	2026.4	2025.1	2025.8	2032.8	2039.7	2032.8
15°	1961.3	1997.8	2034.3	2019.5	1987.6	1973.0	1975.7	1978.9	1983.4	1988.0	1983.4
17.5°	1910.0	1948.2	1986.3	1973.0	1942.5	1932.2	1942.1	1951.7	1960.6	1969.5	1960.6
20°	1877.2	1914.6	1952.0	1942.9	1918.3	1912.3	1925.1	1938.5	1954.0	1969.5	1954.0
22.5°	1847.7	1885.1	1922.4	1916.6	1896.4	1895.2	1913.1	1931.8	1953.1	1974.5	1953.1
25°	1805.4	1838.2	1871.1	1871.8	1861.7	1871.8	1901.8	1930.3	1954.0	1977.8	1954.0
27.5°	1761.1	1780.4	1799.8	1812.5	1823.1	1848.7	1889.4	1924.0	1940.6	1957.2	1940.6
30°	1723.4	1736.1	1748.9	1772.6	1799.9	1831.4	1867.0	1895.2	1901.6	1908.0	1901.6
32.5°	1682.3	1690.0	1697.6	1731.0	1773.0	1803.3	1822.1	1834.1	1825.9	1817.7	1825.9
35°	1614.6	1621.0	1627.4	1670.0	1724.7	1744.8	1730.2	1714.9	1697.6	1680.3	1697.6
37.5°	1534.2	1547.3	1560.5	1595.2	1637.1	1636.8	1594.1	1557.1	1537.2	1517.4	1537.2
40°	1475.1	1497.0	1518.9	1542.1	1565.8	1545.8	1481.9	1428.4	1405.6	1382.8	1405.6
42.5°	1402.9	1437.9	1472.9	1478.1	1473.4	1430.3	1349.0	1281.0	1253.1	1225.2	1253.1
45°	1288.4	1335.8	1383.2	1356.1	1304.1	1233.9	1145.5	1071.4	1040.4	1009.4	1040.4
47.5°	1153.4	1202.1	1250.8	1199.6	1115.2	1033.5	954.5	888.1	859.1	830.1	859.1
50°	1064.8	1104.0	1143.2	1085.3	995.0	913.0	839.1	775.7	743.8	711.9	743.8
52.5°	974.5	1002.8	1031.0	973.7	887.8	807.9	734.1	671.4	642.4	613.4	642.4
55°	835.0	849.6	864.2	811.1	735.4	662.4	592.2	534.6	514.5	494.4	514.5
57.5°	707.0	716.3	725.6	675.3	605.0	540.1	480.5	432.1	417.3	402.5	417.3
60°	629.8	636.2	642.6	591.5	521.3	463.0	416.5	378.6	366.8	354.9	366.8
62.5°	559.3	564.2	569.1	519.9	452.6	400.4	363.4	333.4	324.5	315.5	324.5
65°	459.6	464.1	468.7	426.7	369.3	326.4	298.2	275.4	269.0	262.6	269.0
67.5°	380.4	382.7	385.1	350.6	303.7	269.1	246.9	228.7	222.7	216.6	222.7
70°	334.4	335.3	336.2	305.7	264.7	234.1	214.1	197.9	193.3	188.7	193.3
72.5°	293.4	292.1	290.8	263.6	227.6	201.5	185.1	172.0	168.9	165.8	168.9
75°	231.8	229.1	226.4	203.8	174.6	154.6	143.6	135.0	133.1	131.3	133.1
77.5°	173.2	170.2	167.3	148.5	124.5	110.6	107.0	104.2	104.2	104.2	104.2
80°	135.4	131.8	128.1	113.5	95.3	86.2	86.2	86.2	86.2	86.2	86.2
82.5°	100.9	95.8	90.7	81.8	71.6	66.5	66.5	66.3	65.6	64.8	65.6
85°	49.2	44.7	40.1	39.0	39.0	36.2	30.8	26.0	23.3	20.5	23.3
87.5°	13.8	14.6	15.7	13.8	10.8	9.2	9.2	9.4	9.6	9.6	9.6
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



TEST NUMBER: P1428244

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-L940-UNV-STD-W-WM-4

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



TEST NUMBER: P1428244

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6
2.5°	2008.3	2007.2	2006.4	2011.2	2021.4	2026.3	2015.4	2004.4	2015.4	2026.3	2021.4
5°	2021.1	2017.4	2015.6	2019.7	2029.7	2033.4	2017.9	2002.4	2017.9	2033.4	2029.7
7.5°	2055.0	2048.1	2042.8	2042.7	2047.8	2046.1	2024.0	2002.0	2024.0	2046.1	2047.8
10°	2056.9	2053.0	2052.1	2053.4	2057.1	2053.2	2026.8	2000.3	2026.8	2053.2	2057.1
12.5°	2025.8	2025.1	2026.4	2034.3	2048.9	2052.1	2021.3	1990.5	2021.3	2052.1	2048.9
15°	1978.9	1975.7	1973.0	1987.6	2019.5	2034.3	1997.8	1961.3	1997.8	2034.3	2019.5
17.5°	1951.7	1942.1	1932.2	1942.5	1973.0	1986.3	1948.2	1910.0	1948.2	1986.3	1973.0
20°	1938.5	1925.1	1912.3	1918.3	1942.9	1952.0	1914.6	1877.2	1914.6	1952.0	1942.9
22.5°	1931.8	1913.1	1895.2	1896.4	1916.6	1922.4	1885.1	1847.7	1885.1	1922.4	1916.6
25°	1930.3	1901.8	1871.8	1861.7	1871.8	1871.1	1838.2	1805.4	1838.2	1871.1	1871.8
27.5°	1924.0	1889.4	1848.7	1823.1	1812.5	1799.8	1780.4	1761.1	1780.4	1799.8	1812.5
30°	1895.2	1867.0	1831.4	1799.9	1772.6	1748.9	1736.1	1723.4	1736.1	1748.9	1772.6
32.5°	1834.1	1822.1	1803.3	1773.0	1731.0	1697.6	1690.0	1682.3	1690.0	1697.6	1731.0
35°	1714.9	1730.2	1744.8	1724.7	1670.0	1627.4	1621.0	1614.6	1621.0	1627.4	1670.0
37.5°	1557.1	1594.1	1636.8	1637.1	1595.2	1560.5	1547.3	1534.2	1547.3	1560.5	1595.2
40°	1428.4	1481.9	1545.8	1565.8	1542.1	1518.9	1497.0	1475.1	1497.0	1518.9	1542.1
42.5°	1281.0	1349.0	1430.3	1473.4	1478.1	1472.9	1437.9	1402.9	1437.9	1472.9	1478.1
45°	1071.4	1145.5	1233.9	1304.1	1356.1	1383.2	1335.8	1288.4	1335.8	1383.2	1356.1
47.5°	888.1	954.5	1033.5	1115.2	1199.6	1250.8	1202.1	1153.4	1202.1	1250.8	1199.6
50°	775.7	839.1	913.0	995.0	1085.3	1143.2	1104.0	1064.8	1104.0	1143.2	1085.3
52.5°	671.4	734.1	807.9	887.8	973.7	1031.0	1002.8	974.5	1002.8	1031.0	973.7
55°	534.6	592.2	662.4	735.4	811.1	864.2	849.6	835.0	849.6	864.2	811.1
57.5°	432.1	480.5	540.1	605.0	675.3	725.6	716.3	707.0	716.3	725.6	675.3
60°	378.6	416.5	463.0	521.3	591.5	642.6	636.2	629.8	636.2	642.6	591.5
62.5°	333.4	363.4	400.4	452.6	519.9	569.1	564.2	559.3	564.2	569.1	519.9
65°	275.4	298.2	326.4	369.3	426.7	468.7	464.1	459.6	464.1	468.7	426.7
67.5°	228.7	246.9	269.1	303.7	350.6	385.1	382.7	380.4	382.7	385.1	350.6
70°	197.9	214.1	234.1	264.7	305.7	336.2	335.3	334.4	335.3	336.2	305.7
72.5°	172.0	185.1	201.5	227.6	263.6	290.8	292.1	293.4	292.1	290.8	263.6
75°	135.0	143.6	154.6	174.6	203.8	226.4	229.1	231.8	229.1	226.4	203.8
77.5°	104.2	107.0	110.6	124.5	148.5	167.3	170.2	173.2	170.2	167.3	148.5
80°	86.2	86.2	86.2	95.3	113.5	128.1	131.8	135.4	131.8	128.1	113.5
82.5°	66.3	66.5	66.5	71.6	81.8	90.7	95.8	100.9	95.8	90.7	81.8
85°	26.0	30.8	36.2	39.0	39.0	40.1	44.7	49.2	44.7	40.1	39.0
87.5°	9.4	9.2	9.2	10.8	13.8	15.7	14.6	13.8	14.6	15.5	14.2
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: P1428244

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-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: P1428244

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6	2012.6
2.5°	2011.2	2006.4	2007.2	2008.3	2010.4	2012.6	2010.4	2008.3	2007.2	2006.4	2011.2
5°	2019.7	2015.6	2017.4	2021.1	2030.2	2039.3	2030.2	2021.1	2017.4	2015.6	2019.7
7.5°	2042.7	2042.8	2048.1	2055.0	2067.1	2079.1	2067.1	2055.0	2048.1	2042.8	2042.7
10°	2053.4	2052.1	2053.0	2056.9	2069.6	2082.4	2069.6	2056.9	2053.0	2052.1	2053.4
12.5°	2034.3	2026.4	2025.1	2025.8	2032.8	2039.7	2032.8	2025.8	2025.1	2026.4	2034.3
15°	1987.6	1973.0	1975.7	1978.9	1983.4	1988.0	1983.4	1978.9	1975.7	1973.0	1987.6
17.5°	1942.5	1932.2	1942.1	1951.7	1960.6	1969.5	1960.6	1951.7	1942.1	1932.2	1942.5
20°	1918.3	1912.3	1925.1	1938.5	1954.0	1969.5	1954.0	1938.5	1925.1	1912.3	1918.3
22.5°	1896.4	1895.2	1913.1	1931.8	1953.1	1974.5	1953.1	1931.8	1913.1	1895.2	1896.4
25°	1861.7	1871.8	1901.8	1930.3	1954.0	1977.8	1954.0	1930.3	1901.8	1871.8	1861.7
27.5°	1823.1	1848.7	1889.4	1924.0	1940.6	1957.2	1940.6	1924.0	1889.4	1848.7	1823.1
30°	1799.9	1831.4	1867.0	1895.2	1901.6	1908.0	1901.6	1895.2	1867.0	1831.4	1799.9
32.5°	1773.0	1803.3	1822.1	1834.1	1825.9	1817.7	1825.9	1834.1	1822.1	1803.3	1773.0
35°	1724.7	1744.8	1730.2	1714.9	1697.6	1680.3	1697.6	1714.9	1730.2	1744.8	1724.7
37.5°	1637.1	1636.8	1594.1	1557.1	1537.2	1517.4	1537.2	1557.1	1594.1	1636.8	1637.1
40°	1565.8	1545.8	1481.9	1428.4	1405.6	1382.8	1405.6	1428.4	1481.9	1545.8	1565.8
42.5°	1473.4	1430.3	1349.0	1281.0	1253.1	1225.2	1253.1	1281.0	1349.0	1430.3	1473.4
45°	1304.1	1233.9	1145.5	1071.4	1040.4	1009.4	1040.4	1071.4	1145.5	1233.9	1304.1
47.5°	1115.2	1033.5	954.5	888.1	859.1	830.1	859.1	888.1	954.5	1033.5	1115.2
50°	995.0	913.0	839.1	775.7	743.8	711.9	743.8	775.7	839.1	913.0	995.0
52.5°	887.8	807.9	734.1	671.4	642.4	613.4	642.4	671.4	734.1	807.9	887.8
55°	735.4	662.4	592.2	534.6	514.5	494.4	514.5	534.6	592.2	662.4	735.4
57.5°	605.0	540.1	480.5	432.1	417.3	402.5	417.3	432.1	480.5	540.1	605.0
60°	521.3	463.0	416.5	378.6	366.8	354.9	366.8	378.6	416.5	463.0	521.3
62.5°	452.6	400.4	363.4	333.4	324.5	315.5	324.5	333.4	363.4	400.4	452.6
65°	369.3	326.4	298.2	275.4	269.0	262.6	269.0	275.4	298.2	326.4	369.3
67.5°	303.7	269.1	246.9	228.7	222.7	216.6	222.7	228.7	246.9	269.1	303.7
70°	264.7	234.1	214.1	197.9	193.3	188.7	193.3	197.9	214.1	234.1	264.7
72.5°	227.6	201.5	185.1	172.0	168.9	165.8	168.9	172.0	185.1	201.5	227.6
75°	174.6	154.6	143.6	135.0	133.1	131.3	133.1	135.0	143.6	154.6	174.6
77.5°	124.5	110.6	107.0	104.2	104.2	104.2	104.2	104.2	107.0	110.6	124.5
80°	95.3	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	95.3
82.5°	71.6	66.5	66.5	66.3	65.6	64.8	65.6	66.3	66.5	66.5	71.6
85°	39.0	36.2	30.8	26.0	23.3	20.5	23.3	26.0	30.8	36.2	39.0
87.5°	11.6	11.3	12.7	13.6	14.4	14.0	14.4	13.6	12.7	11.3	11.6
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: P1428244

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-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: P1428244

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2012.6	2012.6	2012.6	2012.6
2.5°	2021.4	2026.3	2015.4	2004.4
5°	2029.7	2033.4	2017.9	2002.4
7.5°	2047.8	2046.1	2024.0	2002.0
10°	2057.1	2053.2	2026.8	2000.3
12.5°	2048.9	2052.1	2021.3	1990.5
15°	2019.5	2034.3	1997.8	1961.3
17.5°	1973.0	1986.3	1948.2	1910.0
20°	1942.9	1952.0	1914.6	1877.2
22.5°	1916.6	1922.4	1885.1	1847.7
25°	1871.8	1871.1	1838.2	1805.4
27.5°	1812.5	1799.8	1780.4	1761.1
30°	1772.6	1748.9	1736.1	1723.4
32.5°	1731.0	1697.6	1690.0	1682.3
35°	1670.0	1627.4	1621.0	1614.6
37.5°	1595.2	1560.5	1547.3	1534.2
40°	1542.1	1518.9	1497.0	1475.1
42.5°	1478.1	1472.9	1437.9	1402.9
45°	1356.1	1383.2	1335.8	1288.4
47.5°	1199.6	1250.8	1202.1	1153.4
50°	1085.3	1143.2	1104.0	1064.8
52.5°	973.7	1031.0	1002.8	974.5
55°	811.1	864.2	849.6	835.0
57.5°	675.3	725.6	716.3	707.0
60°	591.5	642.6	636.2	629.8
62.5°	519.9	569.1	564.2	559.3
65°	426.7	468.7	464.1	459.6
67.5°	350.6	385.1	382.7	380.4
70°	305.7	336.2	335.3	334.4
72.5°	263.6	290.8	292.1	293.4
75°	203.8	226.4	229.1	231.8
77.5°	148.5	167.3	170.2	173.2
80°	113.5	128.1	131.8	135.4
82.5°	81.8	90.7	95.8	100.9
85°	39.0	40.1	44.7	49.2
87.5°	14.2	15.5	14.6	13.8
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: P1428244

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-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: P1428244
 CATALOG NUMBER: SQ2W-PR1-K-075U-100D-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	19.77	20.69	20.63	21.57	22.67	16.14	17.06	17.00	17.93	19.04
	3H	20.98	21.80	21.85	22.69	23.82	17.30	18.13	18.18	19.01	20.14
	4H	21.47	22.24	22.36	23.13	24.28	17.77	18.54	18.66	19.44	20.58
	6H	21.77	22.48	22.67	23.38	24.53	18.12	18.83	19.02	19.73	20.88
	8H	21.87	22.55	22.78	23.47	24.62	18.25	18.93	19.17	19.85	21.00
	12H	21.91	22.56	22.83	23.47	24.65	18.29	18.93	19.20	19.84	21.02
4H	2H	19.88	20.65	20.78	21.55	22.69	16.86	17.63	17.75	18.52	19.66
	3H	21.34	21.99	22.25	22.91	24.07	18.22	18.86	19.12	19.78	20.94
	4H	21.98	22.56	22.89	23.48	24.66	18.76	19.35	19.68	20.27	21.45
	6H	22.41	22.91	23.34	23.86	25.04	19.20	19.70	20.13	20.65	21.83
	8H	22.57	23.04	23.50	23.98	25.17	19.39	19.85	20.32	20.79	21.99
	12H	22.64	23.06	23.59	24.02	25.22	19.44	19.86	20.39	20.81	22.01
8H	4H	22.01	22.47	22.94	23.41	24.61	19.10	19.56	20.03	20.50	21.70
	6H	22.54	22.93	23.50	23.91	25.10	19.64	20.03	20.60	21.01	22.20
	8H	22.77	23.12	23.74	24.09	25.30	19.90	20.24	20.87	21.21	22.43
	12H	22.89	23.20	23.87	24.16	25.42	20.00	20.30	20.97	21.26	22.52
12H	4H	21.97	22.39	22.92	23.34	24.54	19.12	19.54	20.07	20.50	21.70
	6H	22.53	22.87	23.50	23.84	25.05	19.71	20.05	20.68	21.02	22.24
	8H	22.78	23.08	23.75	24.05	25.31	20.00	20.30	20.97	21.27	22.53