

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: P1428291

Luminaire Tested: SQ2W-PR1-K-125U-100D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428291
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-125U-100D-L935-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 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

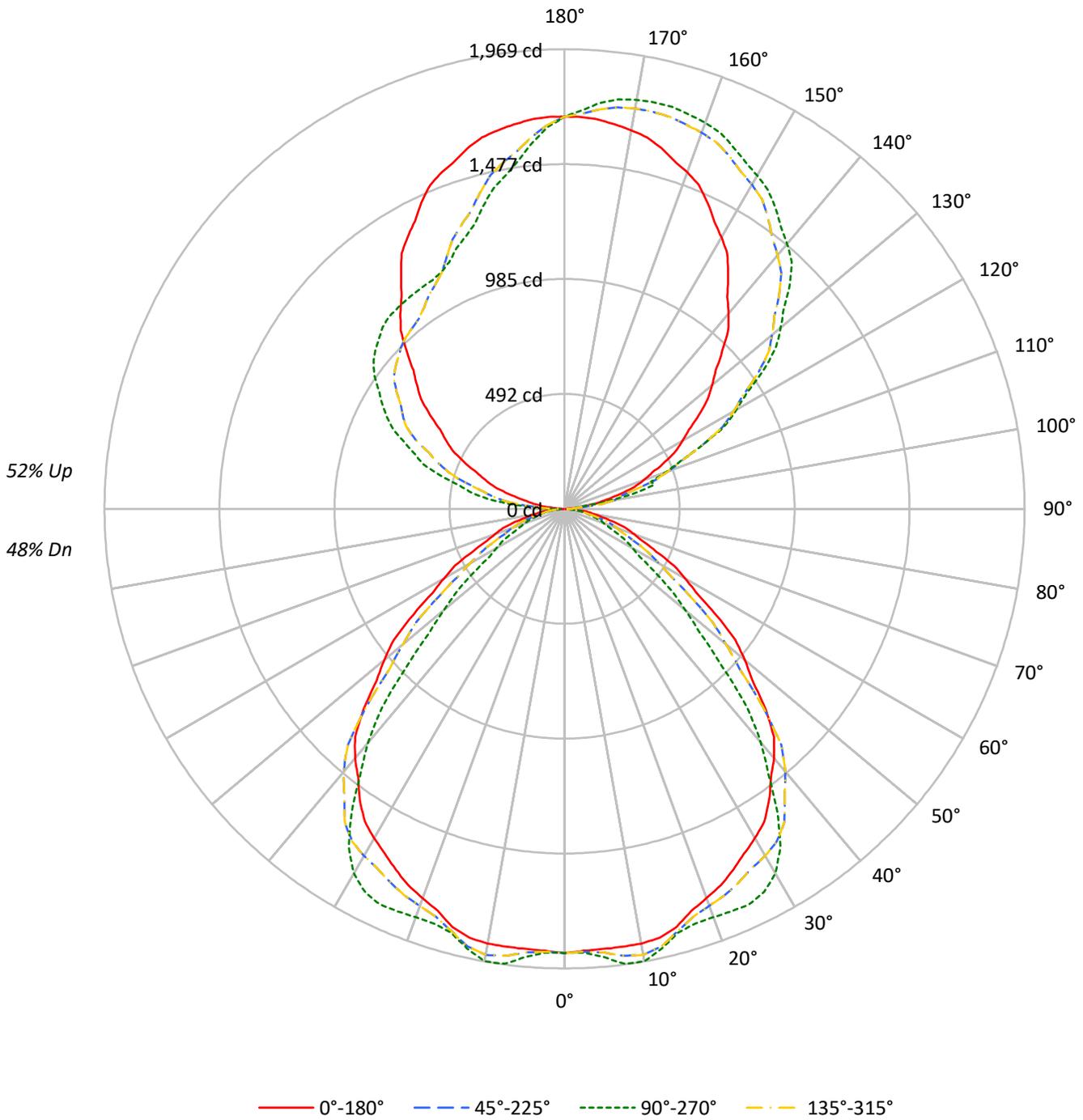
Lumens per Lamp: N/A
Luminaire Lumens: 9486.5 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 81.6
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	107	107	107	107	98	98	98	98	82	82	82	68	68	68	55	55	55	48
1	98	94	90	87	90	87	84	81	73	71	69	61	59	58	49	48	47	42
2	90	83	77	72	82	76	71	67	65	61	58	54	51	49	44	42	41	36
3	82	73	66	61	75	68	62	57	58	53	49	48	45	42	39	37	35	31
4	75	65	57	52	69	60	54	49	51	46	42	43	40	37	36	33	31	27
5	69	58	50	45	64	54	47	42	46	41	37	39	35	32	32	29	27	24
6	64	52	44	39	59	49	42	37	42	36	32	35	31	28	29	26	24	21
7	59	47	40	34	55	44	37	32	38	33	29	32	28	25	27	24	22	19
8	55	43	35	30	51	40	33	29	35	29	26	30	25	22	25	22	19	17
9	51	39	32	27	47	37	30	26	32	27	23	27	23	20	23	20	18	15
10	48	36	29	24	44	34	27	23	29	24	21	25	21	18	21	18	16	14

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	30720	30720	30720	30720
5°	30680	31246	30680	31246
10°	31004	32276	31004	32276
15°	30993	31414	30993	31414
20°	30492	31992	30492	31992
25°	30406	33308	30406	33308
30°	30374	33629	30374	33629
35°	30085	31309	30085	31309
40°	29391	27553	29391	27553
45°	27811	21790	27811	21790
50°	25284	16904	25284	16904
55°	22221	13157	22221	13157
60°	19226	10834	19226	10834
65°	16599	9486	16599	9486
70°	14922	8422	14922	8422
75°	13674	7742	13674	7742
80°	11901	7578	11901	7578
85°	8614	3594	8614	3594

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 29859 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.8	1.9
10°-20°	531.9	5.6
20°-30°	822.3	8.7
30°-40°	988.9	10.4
40°-50°	888.0	9.4
50°-60°	595.0	6.3
60°-70°	346.1	3.6
70°-80°	177.8	1.9
80°-90°	50.8	0.5
90°-100°	133.6	1.4
100°-110°	389.6	4.1
110°-120°	635.9	6.7
120°-130°	806.9	8.5
130°-140°	863.4	9.1
140°-150°	806.2	8.5
150°-160°	663.4	7.0
160°-170°	444.9	4.7
170°-180°	158.0	1.7
0°-30°	1538.0	16.2
0°-40°	2526.8	26.6
0°-60°	4009.8	42.3
0°-90°	4584.5	48.3
90°-120°	1159.2	12.2
90°-150°	3635.7	38.3
90°-180°	4902.0	51.7
0°-180°	9486.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1903	1903	1903	1903	1903	
5°	1893	1928	1893	1928	1893	181
15°	1854	1879	1854	1879	1854	521
25°	1707	1870	1707	1870	1707	787
35°	1526	1588	1526	1588	1526	952
45°	1218	954	1218	954	1218	932
55°	789	467	789	467	789	709
65°	434	248	434	248	434	439
75°	219	124	219	124	219	233
85°	46	19	46	19	46	58
90°	5	37	5	73	5	6
95°	53	39	53	229	53	63
105°	248	397	248	546	248	263
115°	475	658	475	811	475	468
125°	702	1043	702	994	702	628
135°	955	1365	955	1101	955	738
145°	1219	1574	1219	1124	1219	763
155°	1448	1709	1448	1167	1448	666
165°	1601	1782	1601	1343	1601	451
175°	1674	1745	1674	1575	1674	159
180°	1679	1679	1679	1679	1679	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7
2.5°	1895.0	1905.3	1915.6	1911.0	1901.3	1896.9	1897.5	1898.6	1900.6	1902.7	1900.6
5°	1893.0	1907.7	1922.3	1918.9	1909.4	1905.5	1907.2	1910.7	1919.3	1927.9	1919.3
7.5°	1892.6	1913.5	1934.4	1935.9	1931.1	1931.2	1936.2	1942.8	1954.2	1965.6	1954.2
10°	1891.1	1916.1	1941.1	1944.7	1941.3	1940.0	1940.9	1944.5	1956.6	1968.7	1956.6
12.5°	1881.8	1910.9	1940.0	1937.0	1923.2	1915.7	1914.5	1915.2	1921.8	1928.3	1921.8
15°	1854.2	1888.7	1923.2	1909.2	1879.0	1865.2	1867.8	1870.8	1875.1	1879.4	1875.1
17.5°	1805.7	1841.8	1877.8	1865.2	1836.4	1826.7	1836.0	1845.1	1853.5	1862.0	1853.5
20°	1774.7	1810.0	1845.4	1836.8	1813.5	1807.9	1820.0	1832.7	1847.3	1862.0	1847.3
22.5°	1746.8	1782.1	1817.5	1811.9	1792.8	1791.7	1808.6	1826.3	1846.5	1866.6	1846.5
25°	1706.8	1737.9	1768.9	1769.5	1760.0	1769.5	1798.0	1824.9	1847.3	1869.7	1847.3
27.5°	1664.9	1683.2	1701.5	1713.5	1723.5	1747.8	1786.2	1819.0	1834.7	1850.3	1834.7
30°	1629.2	1641.3	1653.4	1675.8	1701.6	1731.4	1765.0	1791.7	1797.8	1803.8	1797.8
32.5°	1590.4	1597.7	1604.9	1636.5	1676.1	1704.8	1722.6	1734.0	1726.2	1718.5	1726.2
35°	1526.4	1532.5	1538.5	1578.8	1630.5	1649.5	1635.7	1621.3	1604.9	1588.5	1604.9
37.5°	1450.4	1462.8	1475.2	1508.1	1547.7	1547.4	1507.0	1472.1	1453.3	1434.5	1453.3
40°	1394.5	1415.2	1435.9	1457.9	1480.3	1461.4	1401.0	1350.4	1328.8	1307.3	1328.8
42.5°	1326.3	1359.4	1392.5	1397.4	1392.9	1352.2	1275.3	1211.1	1184.7	1158.3	1184.7
45°	1218.0	1262.9	1307.7	1282.1	1232.9	1166.5	1082.9	1012.9	983.6	954.3	983.6
47.5°	1090.4	1136.5	1182.5	1134.1	1054.3	977.1	902.4	839.6	812.2	784.7	812.2
50°	1006.6	1043.7	1080.8	1026.0	940.7	863.1	793.3	733.4	703.2	673.0	703.2
52.5°	921.3	948.0	974.7	920.5	839.3	763.8	694.0	634.8	607.3	579.9	607.3
55°	789.4	803.2	817.0	766.8	695.2	626.3	559.9	505.4	486.4	467.4	486.4
57.5°	668.4	677.2	686.0	638.4	572.0	510.6	454.2	408.5	394.5	380.5	394.5
60°	595.4	601.5	607.5	559.2	492.9	437.7	393.7	358.0	346.8	335.5	346.8
62.5°	528.7	533.4	538.0	491.5	427.9	378.6	343.6	315.2	306.8	298.3	306.8
65°	434.5	438.8	443.1	403.4	349.1	308.6	281.9	260.3	254.3	248.3	254.3
67.5°	359.6	361.8	364.1	331.4	287.1	254.4	233.4	216.2	210.5	204.8	210.5
70°	316.1	317.0	317.9	289.0	250.2	221.3	202.4	187.1	182.8	178.4	182.8
72.5°	277.4	276.2	274.9	249.2	215.2	190.5	174.9	162.6	159.6	156.7	159.6
75°	219.2	216.6	214.0	192.7	165.1	146.1	135.8	127.6	125.9	124.1	125.9
77.5°	163.7	160.9	158.2	140.4	117.7	104.6	101.1	98.5	98.5	98.5	98.5
80°	128.0	124.6	121.1	107.3	90.1	81.5	81.5	81.5	81.5	81.5	81.5
82.5°	95.4	90.6	85.8	77.3	67.7	62.8	62.8	62.7	62.0	61.3	62.0
85°	46.5	42.2	37.9	36.9	36.9	34.3	29.1	24.6	22.0	19.4	22.0
87.5°	13.4	14.8	16.5	15.3	12.8	11.4	11.4	11.8	12.1	12.1	12.1
90°	5.1	11.9	20.3	27.1	32.2	33.9	33.9	35.6	37.3	37.3	37.3
92.5°	18.7	29.5	29.8	29.8	36.3	39.3	42.1	42.4	44.1	44.1	44.1
95°	52.6	57.7	86.5	84.8	57.7	45.8	39.0	39.0	39.0	39.0	39.0
97.5°	100.4	107.9	112.6	150.9	159.4	154.0	125.5	105.5	94.3	89.2	94.3
100°	142.4	145.8	156.0	157.7	200.1	240.8	220.5	195.0	186.5	181.5	186.5
102.5°	184.5	186.5	202.1	209.3	219.1	242.2	312.7	304.9	299.1	298.1	299.1
105°	247.6	249.3	278.1	291.7	298.5	298.5	296.8	330.7	385.0	396.8	385.0
107.5°	315.1	322.9	356.8	393.1	400.9	402.9	394.1	389.0	387.0	388.3	387.0
110°	361.2	373.1	413.8	459.6	471.4	474.8	471.4	466.3	463.0	463.0	463.0



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	406.0	423.3	469.4	522.0	542.0	552.2	544.7	541.0	537.6	540.3	537.6
115°	474.8	500.3	561.3	615.6	656.3	661.4	659.7	659.7	658.0	658.0	658.0
117.5°	538.6	579.3	647.8	710.9	758.0	771.6	778.4	776.3	774.3	777.7	774.3
120°	583.4	630.8	708.9	780.1	825.9	846.2	853.0	849.6	853.0	849.6	853.0
122.5°	630.8	689.2	765.8	839.8	893.7	916.8	924.9	925.6	926.3	924.2	926.3
125°	702.1	773.3	863.2	939.5	995.4	1022.6	1029.4	1031.1	1034.4	1042.9	1034.4
127.5°	774.0	854.7	953.4	1027.0	1084.3	1117.2	1127.7	1131.4	1138.6	1142.3	1138.6
130°	824.2	915.7	1015.8	1085.3	1141.3	1176.9	1195.6	1200.6	1209.1	1207.4	1209.1
132.5°	877.1	972.7	1074.1	1146.4	1198.3	1236.6	1252.5	1267.1	1270.2	1272.5	1270.2
135°	954.7	1058.2	1159.9	1231.2	1280.3	1317.7	1338.0	1351.6	1360.0	1365.1	1360.0
137.5°	1036.5	1145.7	1243.4	1306.8	1356.3	1388.5	1411.6	1425.8	1434.7	1438.7	1434.7
140°	1092.1	1197.2	1292.2	1358.3	1402.4	1434.7	1455.0	1472.0	1482.1	1482.1	1482.1
142.5°	1145.0	1248.8	1341.1	1407.2	1445.9	1475.4	1497.1	1510.0	1521.5	1521.5	1521.5
145°	1219.3	1322.7	1407.5	1473.7	1505.9	1533.0	1556.8	1566.9	1573.7	1573.7	1573.7
147.5°	1297.0	1388.5	1465.9	1529.3	1556.4	1588.3	1607.0	1615.1	1623.6	1619.8	1623.6
150°	1343.1	1427.9	1502.5	1561.8	1589.0	1619.5	1638.2	1644.9	1653.4	1648.3	1653.4
152.5°	1387.9	1468.6	1536.4	1591.7	1614.8	1645.3	1666.6	1673.4	1679.2	1675.5	1679.2
155°	1448.2	1519.5	1582.2	1633.1	1653.4	1682.3	1702.6	1711.1	1717.9	1709.4	1717.9
157.5°	1502.2	1563.5	1618.1	1665.0	1686.7	1711.4	1730.4	1740.9	1747.7	1744.0	1747.7
160°	1534.7	1590.7	1639.9	1683.9	1704.3	1726.3	1746.7	1758.6	1765.3	1760.3	1765.3
162.5°	1561.8	1612.4	1658.8	1698.9	1716.5	1735.8	1760.3	1770.8	1777.6	1771.1	1777.6
165°	1600.9	1641.6	1682.3	1716.2	1731.4	1746.7	1772.1	1784.0	1789.1	1782.3	1789.1
167.5°	1630.4	1661.6	1694.5	1723.6	1734.8	1749.7	1775.2	1785.0	1791.5	1783.0	1791.5
170°	1646.6	1673.8	1702.6	1726.3	1734.8	1748.4	1773.8	1782.3	1787.4	1778.9	1787.4
172.5°	1660.2	1680.6	1704.0	1725.0	1729.4	1740.2	1764.3	1772.8	1776.5	1769.4	1776.5
175°	1673.8	1685.6	1702.6	1716.2	1714.5	1721.3	1741.6	1748.4	1755.2	1745.0	1755.2
177.5°	1680.2	1685.6	1691.1	1699.2	1693.8	1693.8	1708.7	1712.8	1714.1	1708.7	1714.1
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7
2.5°	1898.6	1897.5	1896.9	1901.3	1911.0	1915.6	1905.3	1895.0	1905.3	1915.6	1911.0
5°	1910.7	1907.2	1905.5	1909.4	1918.9	1922.3	1907.7	1893.0	1907.7	1922.3	1918.9
7.5°	1942.8	1936.2	1931.2	1931.1	1935.9	1934.4	1913.5	1892.6	1913.5	1934.4	1935.9
10°	1944.5	1940.9	1940.0	1941.3	1944.7	1941.1	1916.1	1891.1	1916.1	1941.1	1944.7
12.5°	1915.2	1914.5	1915.7	1923.2	1937.0	1940.0	1910.9	1881.8	1910.9	1940.0	1937.0
15°	1870.8	1867.8	1865.2	1879.0	1909.2	1923.2	1888.7	1854.2	1888.7	1923.2	1909.2
17.5°	1845.1	1836.0	1826.7	1836.4	1865.2	1877.8	1841.8	1805.7	1841.8	1877.8	1865.2
20°	1832.7	1820.0	1807.9	1813.5	1836.8	1845.4	1810.0	1774.7	1810.0	1845.4	1836.8
22.5°	1826.3	1808.6	1791.7	1792.8	1811.9	1817.5	1782.1	1746.8	1782.1	1817.5	1811.9
25°	1824.9	1798.0	1769.5	1760.0	1769.5	1768.9	1737.9	1706.8	1737.9	1768.9	1769.5
27.5°	1819.0	1786.2	1747.8	1723.5	1713.5	1701.5	1683.2	1664.9	1683.2	1701.5	1713.5
30°	1791.7	1765.0	1731.4	1701.6	1675.8	1653.4	1641.3	1629.2	1641.3	1653.4	1675.8
32.5°	1734.0	1722.6	1704.8	1676.1	1636.5	1604.9	1597.7	1590.4	1597.7	1604.9	1636.5
35°	1621.3	1635.7	1649.5	1630.5	1578.8	1538.5	1532.5	1526.4	1532.5	1538.5	1578.8
37.5°	1472.1	1507.0	1547.4	1547.7	1508.1	1475.2	1462.8	1450.4	1462.8	1475.2	1508.1
40°	1350.4	1401.0	1461.4	1480.3	1457.9	1435.9	1415.2	1394.5	1415.2	1435.9	1457.9
42.5°	1211.1	1275.3	1352.2	1392.9	1397.4	1392.5	1359.4	1326.3	1359.4	1392.5	1397.4
45°	1012.9	1082.9	1166.5	1232.9	1282.1	1307.7	1262.9	1218.0	1262.9	1307.7	1282.1
47.5°	839.6	902.4	977.1	1054.3	1134.1	1182.5	1136.5	1090.4	1136.5	1182.5	1134.1
50°	733.4	793.3	863.1	940.7	1026.0	1080.8	1043.7	1006.6	1043.7	1080.8	1026.0
52.5°	634.8	694.0	763.8	839.3	920.5	974.7	948.0	921.3	948.0	974.7	920.5
55°	505.4	559.9	626.3	695.2	766.8	817.0	803.2	789.4	803.2	817.0	766.8
57.5°	408.5	454.2	510.6	572.0	638.4	686.0	677.2	668.4	677.2	686.0	638.4
60°	358.0	393.7	437.7	492.9	559.2	607.5	601.5	595.4	601.5	607.5	559.2
62.5°	315.2	343.6	378.6	427.9	491.5	538.0	533.4	528.7	533.4	538.0	491.5
65°	260.3	281.9	308.6	349.1	403.4	443.1	438.8	434.5	438.8	443.1	403.4
67.5°	216.2	233.4	254.4	287.1	331.4	364.1	361.8	359.6	361.8	364.1	331.4
70°	187.1	202.4	221.3	250.2	289.0	317.9	317.0	316.1	317.0	317.9	289.0
72.5°	162.6	174.9	190.5	215.2	249.2	274.9	276.2	277.4	276.2	274.9	249.2
75°	127.6	135.8	146.1	165.1	192.7	214.0	216.6	219.2	216.6	214.0	192.7
77.5°	98.5	101.1	104.6	117.7	140.4	158.2	160.9	163.7	160.9	158.2	140.4
80°	81.5	81.5	81.5	90.1	107.3	121.1	124.6	128.0	124.6	121.1	107.3
82.5°	62.7	62.8	62.8	67.7	77.3	85.8	90.6	95.4	90.6	85.8	77.3
85°	24.6	29.1	34.3	36.9	36.9	37.9	42.2	46.5	42.2	37.9	36.9
87.5°	11.8	11.4	11.4	12.8	15.3	16.5	14.8	13.4	14.8	16.1	15.9
90°	35.6	33.9	33.9	32.2	27.1	20.3	11.9	5.1	11.9	18.7	30.5
92.5°	42.4	42.1	39.3	36.3	29.8	29.8	29.5	18.7	32.2	45.8	65.8
95°	39.0	39.0	45.8	57.7	84.8	86.5	57.7	52.6	74.6	105.1	132.3
97.5°	105.5	125.5	154.0	159.4	150.9	112.6	107.9	100.4	136.7	166.9	210.6
100°	195.0	220.5	240.8	200.1	157.7	156.0	145.8	142.4	181.5	210.3	252.7
102.5°	304.9	312.7	242.2	219.1	209.3	202.1	186.5	184.5	223.5	263.2	298.8
105°	330.7	296.8	298.5	298.5	291.7	278.1	249.3	247.6	291.7	337.5	381.6
107.5°	389.0	394.1	402.9	400.9	393.1	356.8	322.9	315.1	354.8	409.7	458.2
110°	466.3	471.4	474.8	471.4	459.6	413.8	373.1	361.2	396.8	454.5	507.0



TEST NUMBER: P1428291

CATALOG NUMBER: SQ2W-PR1-K-125U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	541.0	544.7	552.2	542.0	522.0	469.4	423.3	406.0	441.6	500.6	554.5
115°	659.7	659.7	661.4	656.3	615.6	561.3	500.3	474.8	505.4	559.6	619.0
117.5°	776.3	778.4	771.6	758.0	710.9	647.8	579.3	538.6	562.7	620.0	681.0
120°	849.6	853.0	846.2	825.9	780.1	708.9	630.8	583.4	602.0	658.0	719.0
122.5°	925.6	924.9	916.8	893.7	839.8	765.8	689.2	630.8	638.6	690.5	750.2
125°	1031.1	1029.4	1022.6	995.4	939.5	863.2	773.3	702.1	691.9	736.0	797.0
127.5°	1131.4	1127.7	1117.2	1084.3	1027.0	953.4	854.7	774.0	751.2	779.1	835.0
130°	1200.6	1195.6	1176.9	1141.3	1085.3	1015.8	915.7	824.2	791.9	808.9	858.1
132.5°	1267.1	1252.5	1236.6	1198.3	1146.4	1074.1	972.7	877.1	832.6	840.1	878.4
135°	1351.6	1338.0	1317.7	1280.3	1231.2	1159.9	1058.2	954.7	893.7	886.9	909.0
137.5°	1425.8	1411.6	1388.5	1356.3	1306.8	1243.4	1145.7	1036.5	959.5	936.8	945.2
140°	1472.0	1455.0	1434.7	1402.4	1358.3	1292.2	1197.2	1092.1	1005.6	973.4	968.3
142.5°	1510.0	1497.1	1475.4	1445.9	1407.2	1341.1	1248.8	1145.0	1053.1	1011.4	999.5
145°	1566.9	1556.8	1533.0	1505.9	1473.7	1407.5	1322.7	1219.3	1127.7	1073.5	1048.0
147.5°	1615.1	1607.0	1588.3	1556.4	1529.3	1465.9	1388.5	1297.0	1203.0	1135.9	1103.0
150°	1644.9	1638.2	1619.5	1589.0	1561.8	1502.5	1427.9	1343.1	1253.2	1182.0	1139.6
152.5°	1673.4	1666.6	1645.3	1614.8	1591.7	1536.4	1468.6	1387.9	1296.6	1225.4	1181.6
155°	1711.1	1702.6	1682.3	1653.4	1633.1	1582.2	1519.5	1448.2	1370.2	1295.6	1246.4
157.5°	1740.9	1730.4	1711.4	1686.7	1665.0	1618.1	1563.5	1502.2	1434.0	1362.8	1312.6
160°	1758.6	1746.7	1726.3	1704.3	1683.9	1639.9	1590.7	1534.7	1472.0	1407.5	1353.3
162.5°	1770.8	1760.3	1735.8	1716.5	1698.9	1658.8	1612.4	1561.8	1505.9	1449.6	1399.4
165°	1784.0	1772.1	1746.7	1731.4	1716.2	1682.3	1641.6	1600.9	1553.4	1507.6	1466.9
167.5°	1785.0	1775.2	1749.7	1734.8	1723.6	1694.5	1661.6	1630.4	1593.4	1557.4	1523.5
170°	1782.3	1773.8	1748.4	1734.8	1726.3	1702.6	1673.8	1646.6	1617.8	1587.3	1560.2
172.5°	1772.8	1764.3	1740.2	1729.4	1725.0	1704.0	1680.6	1660.2	1635.4	1613.1	1591.4
175°	1748.4	1741.6	1721.3	1714.5	1716.2	1702.6	1685.6	1673.8	1658.5	1644.9	1633.1
177.5°	1712.8	1708.7	1693.8	1693.8	1699.2	1691.1	1685.6	1680.2	1673.4	1669.4	1665.3
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1428291

CATALOG NUMBER: SQ2W-PR1-K-125U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7	1902.7
2.5°	1901.3	1896.9	1897.5	1898.6	1900.6	1902.7	1900.6	1898.6	1897.5	1896.9	1901.3
5°	1909.4	1905.5	1907.2	1910.7	1919.3	1927.9	1919.3	1910.7	1907.2	1905.5	1909.4
7.5°	1931.1	1931.2	1936.2	1942.8	1954.2	1965.6	1954.2	1942.8	1936.2	1931.2	1931.1
10°	1941.3	1940.0	1940.9	1944.5	1956.6	1968.7	1956.6	1944.5	1940.9	1940.0	1941.3
12.5°	1923.2	1915.7	1914.5	1915.2	1921.8	1928.3	1921.8	1915.2	1914.5	1915.7	1923.2
15°	1879.0	1865.2	1867.8	1870.8	1875.1	1879.4	1875.1	1870.8	1867.8	1865.2	1879.0
17.5°	1836.4	1826.7	1836.0	1845.1	1853.5	1862.0	1853.5	1845.1	1836.0	1826.7	1836.4
20°	1813.5	1807.9	1820.0	1832.7	1847.3	1862.0	1847.3	1832.7	1820.0	1807.9	1813.5
22.5°	1792.8	1791.7	1808.6	1826.3	1846.5	1866.6	1846.5	1826.3	1808.6	1791.7	1792.8
25°	1760.0	1769.5	1798.0	1824.9	1847.3	1869.7	1847.3	1824.9	1798.0	1769.5	1760.0
27.5°	1723.5	1747.8	1786.2	1819.0	1834.7	1850.3	1834.7	1819.0	1786.2	1747.8	1723.5
30°	1701.6	1731.4	1765.0	1791.7	1797.8	1803.8	1797.8	1791.7	1765.0	1731.4	1701.6
32.5°	1676.1	1704.8	1722.6	1734.0	1726.2	1718.5	1726.2	1734.0	1722.6	1704.8	1676.1
35°	1630.5	1649.5	1635.7	1621.3	1604.9	1588.5	1604.9	1621.3	1635.7	1649.5	1630.5
37.5°	1547.7	1547.4	1507.0	1472.1	1453.3	1434.5	1453.3	1472.1	1507.0	1547.4	1547.7
40°	1480.3	1461.4	1401.0	1350.4	1328.8	1307.3	1328.8	1350.4	1401.0	1461.4	1480.3
42.5°	1392.9	1352.2	1275.3	1211.1	1184.7	1158.3	1184.7	1211.1	1275.3	1352.2	1392.9
45°	1232.9	1166.5	1082.9	1012.9	983.6	954.3	983.6	1012.9	1082.9	1166.5	1232.9
47.5°	1054.3	977.1	902.4	839.6	812.2	784.7	812.2	839.6	902.4	977.1	1054.3
50°	940.7	863.1	793.3	733.4	703.2	673.0	703.2	733.4	793.3	863.1	940.7
52.5°	839.3	763.8	694.0	634.8	607.3	579.9	607.3	634.8	694.0	763.8	839.3
55°	695.2	626.3	559.9	505.4	486.4	467.4	486.4	505.4	559.9	626.3	695.2
57.5°	572.0	510.6	454.2	408.5	394.5	380.5	394.5	408.5	454.2	510.6	572.0
60°	492.9	437.7	393.7	358.0	346.8	335.5	346.8	358.0	393.7	437.7	492.9
62.5°	427.9	378.6	343.6	315.2	306.8	298.3	306.8	315.2	343.6	378.6	427.9
65°	349.1	308.6	281.9	260.3	254.3	248.3	254.3	260.3	281.9	308.6	349.1
67.5°	287.1	254.4	233.4	216.2	210.5	204.8	210.5	216.2	233.4	254.4	287.1
70°	250.2	221.3	202.4	187.1	182.8	178.4	182.8	187.1	202.4	221.3	250.2
72.5°	215.2	190.5	174.9	162.6	159.6	156.7	159.6	162.6	174.9	190.5	215.2
75°	165.1	146.1	135.8	127.6	125.9	124.1	125.9	127.6	135.8	146.1	165.1
77.5°	117.7	104.6	101.1	98.5	98.5	98.5	98.5	98.5	101.1	104.6	117.7
80°	90.1	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	90.1
82.5°	67.7	62.8	62.8	62.7	62.0	61.3	62.0	62.7	62.8	62.8	67.7
85°	36.9	34.3	29.1	24.6	22.0	19.4	22.0	24.6	29.1	34.3	36.9
87.5°	14.2	14.8	17.2	18.6	19.9	19.2	19.9	18.6	17.2	14.8	14.2
90°	39.0	50.9	62.7	69.5	76.3	72.9	76.3	69.5	62.7	50.9	39.0
92.5°	78.3	98.4	112.9	125.2	130.6	129.9	130.6	125.2	112.9	98.4	78.3
95°	157.7	181.5	205.2	222.2	232.3	228.9	232.3	222.2	205.2	181.5	157.7
97.5°	243.2	275.1	301.5	317.5	327.6	334.4	327.6	317.5	301.5	275.1	243.2
100°	300.2	330.7	361.2	379.9	396.8	403.6	396.8	379.9	361.2	330.7	300.2
102.5°	346.3	386.3	419.5	439.6	453.8	460.6	453.8	439.6	419.5	386.3	346.3
105°	422.3	464.7	500.3	525.7	541.0	546.1	541.0	525.7	500.3	464.7	422.3
107.5°	498.2	542.0	574.9	603.0	621.7	632.5	621.7	603.0	574.9	542.0	498.2
110°	557.9	593.5	629.1	654.6	673.2	680.0	673.2	654.6	629.1	593.5	557.9



TEST NUMBER: P1428291

CATALOG NUMBER: SQ2W-PR1-K-125U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	608.1	647.8	683.4	708.9	730.2	739.7	730.2	708.9	683.4	647.8	608.1
115°	678.3	730.9	763.1	786.9	802.1	810.6	802.1	786.9	763.1	730.9	678.3
117.5°	736.7	791.6	826.9	845.2	852.3	858.4	852.3	845.2	826.9	791.6	736.7
120°	773.3	824.2	864.9	888.6	897.1	900.5	897.1	888.6	864.9	824.2	773.3
122.5°	807.2	855.4	894.7	923.9	937.8	941.2	937.8	923.9	894.7	855.4	807.2
125°	854.7	900.5	941.2	970.0	985.3	993.7	985.3	970.0	941.2	900.5	854.7
127.5°	896.1	945.6	982.9	1009.0	1023.9	1030.7	1023.9	1009.0	982.9	945.6	896.1
130°	919.1	970.0	1007.3	1036.1	1049.7	1056.5	1049.7	1036.1	1007.3	970.0	919.1
132.5°	936.8	990.4	1029.0	1055.1	1070.1	1076.8	1070.1	1055.1	1029.0	990.4	936.8
135°	958.1	1014.1	1054.8	1080.2	1093.8	1100.6	1093.8	1080.2	1054.8	1014.1	958.1
137.5°	976.8	1027.7	1070.1	1096.9	1109.1	1113.5	1109.1	1096.9	1070.1	1027.7	976.8
140°	990.4	1034.4	1076.8	1102.3	1115.8	1117.5	1115.8	1102.3	1076.8	1034.4	990.4
142.5°	1008.0	1042.6	1079.6	1105.0	1118.6	1121.6	1118.6	1105.0	1079.6	1042.6	1008.0
145°	1039.5	1059.9	1085.3	1109.1	1120.9	1124.3	1120.9	1109.1	1085.3	1059.9	1039.5
147.5°	1079.2	1085.7	1098.9	1114.5	1126.0	1128.4	1126.0	1114.5	1098.9	1085.7	1079.2
150°	1109.1	1107.4	1112.5	1122.6	1132.8	1131.1	1132.8	1122.6	1112.5	1107.4	1109.1
152.5°	1143.0	1133.1	1132.8	1137.6	1142.3	1142.0	1142.3	1137.6	1132.8	1133.1	1143.0
155°	1200.6	1182.0	1171.8	1168.4	1168.4	1166.7	1168.4	1168.4	1171.8	1182.0	1200.6
157.5°	1264.1	1237.9	1222.7	1214.5	1212.2	1208.4	1212.2	1214.5	1222.7	1237.9	1264.1
160°	1307.5	1278.6	1263.4	1249.8	1244.7	1239.6	1244.7	1249.8	1263.4	1278.6	1307.5
162.5°	1348.2	1320.7	1304.1	1291.9	1286.8	1279.0	1286.8	1291.9	1304.1	1320.7	1348.2
165°	1414.3	1385.5	1366.8	1356.7	1349.9	1343.1	1349.9	1356.7	1366.8	1385.5	1414.3
167.5°	1480.4	1448.9	1436.7	1425.2	1418.7	1406.5	1418.7	1425.2	1436.7	1448.9	1480.4
170°	1521.1	1492.3	1485.5	1475.4	1463.5	1449.9	1463.5	1475.4	1485.5	1492.3	1521.1
172.5°	1556.4	1537.1	1530.3	1520.1	1516.4	1505.5	1516.4	1520.1	1530.3	1537.1	1556.4
175°	1607.6	1592.4	1592.4	1590.7	1585.6	1575.4	1585.6	1590.7	1592.4	1592.4	1607.6
177.5°	1650.4	1642.2	1647.7	1647.7	1646.3	1636.8	1646.3	1647.7	1647.7	1642.2	1650.4
180°	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1428291

CATALOG NUMBER: SQ2W-PR1-K-125U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1902.7	1902.7	1902.7	1902.7
2.5°	1911.0	1915.6	1905.3	1895.0
5°	1918.9	1922.3	1907.7	1893.0
7.5°	1935.9	1934.4	1913.5	1892.6
10°	1944.7	1941.1	1916.1	1891.1
12.5°	1937.0	1940.0	1910.9	1881.8
15°	1909.2	1923.2	1888.7	1854.2
17.5°	1865.2	1877.8	1841.8	1805.7
20°	1836.8	1845.4	1810.0	1774.7
22.5°	1811.9	1817.5	1782.1	1746.8
25°	1769.5	1768.9	1737.9	1706.8
27.5°	1713.5	1701.5	1683.2	1664.9
30°	1675.8	1653.4	1641.3	1629.2
32.5°	1636.5	1604.9	1597.7	1590.4
35°	1578.8	1538.5	1532.5	1526.4
37.5°	1508.1	1475.2	1462.8	1450.4
40°	1457.9	1435.9	1415.2	1394.5
42.5°	1397.4	1392.5	1359.4	1326.3
45°	1282.1	1307.7	1262.9	1218.0
47.5°	1134.1	1182.5	1136.5	1090.4
50°	1026.0	1080.8	1043.7	1006.6
52.5°	920.5	974.7	948.0	921.3
55°	766.8	817.0	803.2	789.4
57.5°	638.4	686.0	677.2	668.4
60°	559.2	607.5	601.5	595.4
62.5°	491.5	538.0	533.4	528.7
65°	403.4	443.1	438.8	434.5
67.5°	331.4	364.1	361.8	359.6
70°	289.0	317.9	317.0	316.1
72.5°	249.2	274.9	276.2	277.4
75°	192.7	214.0	216.6	219.2
77.5°	140.4	158.2	160.9	163.7
80°	107.3	121.1	124.6	128.0
82.5°	77.3	85.8	90.6	95.4
85°	36.9	37.9	42.2	46.5
87.5°	15.9	16.1	14.8	13.4
90°	30.5	18.7	11.9	5.1
92.5°	65.8	45.8	32.2	18.7
95°	132.3	105.1	74.6	52.6
97.5°	210.6	166.9	136.7	100.4
100°	252.7	210.3	181.5	142.4
102.5°	298.8	263.2	223.5	184.5
105°	381.6	337.5	291.7	247.6
107.5°	458.2	409.7	354.8	315.1
110°	507.0	454.5	396.8	361.2



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CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	554.5	500.6	441.6	406.0
115°	619.0	559.6	505.4	474.8
117.5°	681.0	620.0	562.7	538.6
120°	719.0	658.0	602.0	583.4
122.5°	750.2	690.5	638.6	630.8
125°	797.0	736.0	691.9	702.1
127.5°	835.0	779.1	751.2	774.0
130°	858.1	808.9	791.9	824.2
132.5°	878.4	840.1	832.6	877.1
135°	909.0	886.9	893.7	954.7
137.5°	945.2	936.8	959.5	1036.5
140°	968.3	973.4	1005.6	1092.1
142.5°	999.5	1011.4	1053.1	1145.0
145°	1048.0	1073.5	1127.7	1219.3
147.5°	1103.0	1135.9	1203.0	1297.0
150°	1139.6	1182.0	1253.2	1343.1
152.5°	1181.6	1225.4	1296.6	1387.9
155°	1246.4	1295.6	1370.2	1448.2
157.5°	1312.6	1362.8	1434.0	1502.2
160°	1353.3	1407.5	1472.0	1534.7
162.5°	1399.4	1449.6	1505.9	1561.8
165°	1466.9	1507.6	1553.4	1600.9
167.5°	1523.5	1557.4	1593.4	1630.4
170°	1560.2	1587.3	1617.8	1646.6
172.5°	1591.4	1613.1	1635.4	1660.2
175°	1633.1	1644.9	1658.5	1673.8
177.5°	1665.3	1669.4	1673.4	1680.2
180°	1678.9	1678.9	1678.9	1678.9



TEST NUMBER: P1428291
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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	18.41	19.22	19.39	20.21	21.50	14.78	15.59	15.76	16.58	17.87
	3H	19.61	20.34	20.60	21.33	22.65	15.94	16.66	16.93	17.66	18.98
	4H	20.10	20.78	21.10	21.78	23.11	16.40	17.08	17.40	18.08	19.41
	6H	20.39	21.02	21.41	22.02	23.36	16.74	17.37	17.75	18.37	19.71
	8H	20.49	21.09	21.51	22.11	23.45	16.87	17.47	17.89	18.49	19.83
	12H	20.53	21.10	21.56	22.11	23.47	16.90	17.47	17.93	18.49	19.85
4H	2H	18.51	19.19	19.52	20.19	21.52	15.48	16.17	16.50	17.17	18.49
	3H	19.96	20.53	20.98	21.56	22.90	16.84	17.40	17.85	18.43	19.77
	4H	20.59	21.11	21.62	22.13	23.49	17.38	17.90	18.41	18.92	20.28
	6H	21.02	21.46	22.06	22.51	23.87	17.81	18.25	18.85	19.30	20.66
	8H	21.18	21.59	22.21	22.63	24.00	17.99	18.41	19.03	19.44	20.82
	12H	21.24	21.61	22.29	22.67	24.05	18.04	18.41	19.09	19.46	20.84
8H	4H	20.61	21.03	21.65	22.06	23.44	17.70	18.12	18.74	19.15	20.53
	6H	21.14	21.48	22.20	22.56	23.94	18.24	18.58	19.30	19.66	21.04
	8H	21.38	21.68	22.44	22.74	24.13	18.50	18.80	19.57	19.87	21.26
	12H	21.49	21.76	22.56	22.82	24.25	18.59	18.86	19.67	19.92	21.35
12H	4H	20.57	20.94	21.62	21.99	23.37	17.72	18.09	18.77	19.14	20.53
	6H	21.13	21.43	22.20	22.50	23.89	18.31	18.61	19.38	19.68	21.07
	8H	21.38	21.65	22.45	22.70	24.14	18.60	18.86	19.67	19.92	21.36