

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: P1428309

Luminaire Tested: SQ2W-PR1-K-150U-075D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428309
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-150U-075D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

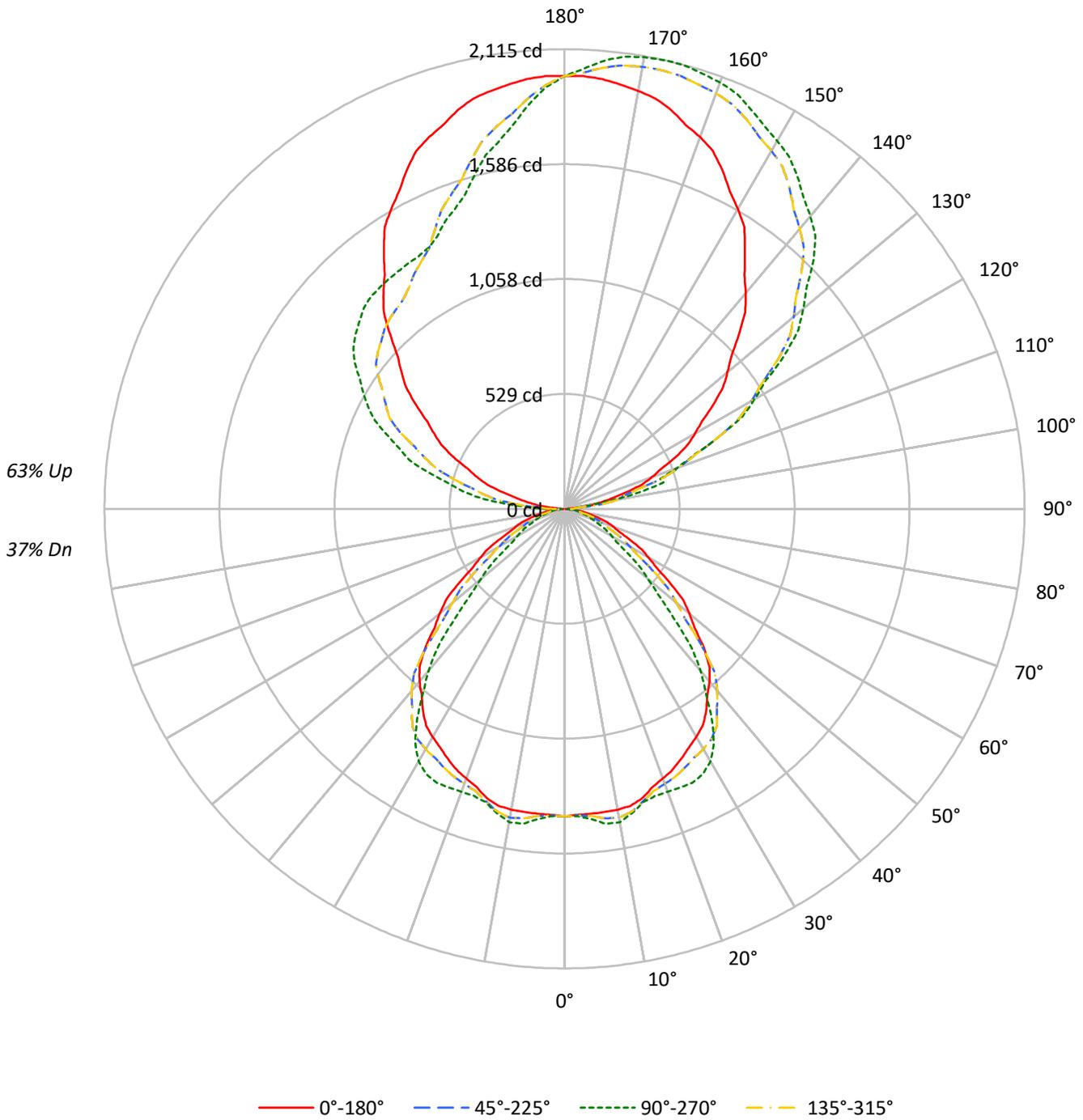
Lumens per Lamp: N/A
Luminaire Lumens: 9227.3 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 81.8
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	104	104	104	104	94	94	94	94	76	76	76	59	59	59	44	44	44	37
1	95	91	88	84	86	83	80	77	67	65	63	53	52	50	40	39	38	32
2	87	80	74	70	79	73	68	64	59	56	53	47	45	43	35	34	33	28
3	80	71	64	58	72	65	59	54	53	49	45	42	39	37	32	30	28	24
4	73	63	55	50	66	57	51	46	47	42	39	38	34	32	29	27	25	21
5	67	56	48	43	61	51	45	40	42	37	33	34	30	28	26	24	22	18
6	62	50	43	37	56	46	39	34	38	33	29	31	27	24	24	21	19	16
7	57	45	38	32	52	42	35	30	35	30	26	28	24	21	22	19	17	14
8	53	41	34	29	48	38	31	27	31	26	23	26	22	19	20	17	15	13
9	49	38	30	26	45	35	28	24	29	24	21	23	20	17	18	16	14	12
10	46	34	27	23	42	32	26	21	27	22	18	22	18	16	17	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	22849	22849	22849	22849
5°	22820	23240	22820	23240
10°	23059	24005	23059	24005
15°	23052	23366	23052	23366
20°	22680	23795	22680	23795
25°	22616	24773	22616	24773
30°	22592	25012	22592	25012
35°	22377	23287	22377	23287
40°	21861	20493	21861	20493
45°	20685	16205	20685	16205
50°	18806	12574	18806	12574
55°	16526	9787	16526	9787
60°	14302	8060	14302	8060
65°	12344	7056	12344	7056
70°	11098	6264	11098	6264
75°	10168	5758	10168	5758
80°	8852	5634	8852	5634
85°	6410	2668	6410	2668

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 22208 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.7	1.5
10°-20°	395.6	4.3
20°-30°	611.6	6.6
30°-40°	735.5	8.0
40°-50°	660.5	7.2
50°-60°	442.5	4.8
60°-70°	257.4	2.8
70°-80°	132.2	1.4
80°-90°	40.8	0.4
90°-100°	158.5	1.7
100°-110°	462.2	5.0
110°-120°	754.2	8.2
120°-130°	957.1	10.4
130°-140°	1024.1	11.1
140°-150°	956.3	10.4
150°-160°	786.9	8.5
160°-170°	527.7	5.7
170°-180°	187.4	2.0
0°-30°	1143.9	12.4
0°-40°	1879.3	20.4
0°-60°	2982.3	32.3
0°-90°	3412.8	37.0
90°-120°	1374.9	14.9
90°-150°	4312.4	46.7
90°-180°	5814.0	63.0
0°-180°	9227.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1415	1415	1415	1415	1415	
5°	1408	1434	1408	1434	1408	134
15°	1379	1398	1379	1398	1379	387
25°	1270	1391	1270	1391	1270	585
35°	1135	1182	1135	1182	1135	708
45°	906	710	906	710	906	693
55°	587	348	587	348	587	528
65°	323	185	323	185	323	327
75°	163	92	163	92	163	173
85°	35	14	35	14	35	43
90°	6	44	6	86	6	6
95°	62	46	62	272	62	75
105°	294	471	294	648	294	312
115°	563	780	563	962	563	555
125°	833	1237	833	1179	833	745
135°	1132	1619	1132	1306	1132	875
145°	1446	1867	1446	1334	1446	905
155°	1718	2028	1718	1384	1718	790
165°	1899	2114	1899	1593	1899	535
175°	1985	2070	1985	1869	1985	188
180°	1991	1991	1991	1991	1991	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2
2.5°	1409.4	1417.1	1424.8	1421.3	1414.1	1410.8	1411.3	1412.1	1413.6	1415.2	1413.6
5°	1408.0	1418.9	1429.8	1427.2	1420.1	1417.3	1418.5	1421.1	1427.5	1433.9	1427.5
7.5°	1407.7	1423.2	1438.7	1439.9	1436.3	1436.4	1440.1	1445.0	1453.4	1461.9	1453.4
10°	1406.5	1425.1	1443.7	1446.4	1443.9	1442.9	1443.5	1446.3	1455.2	1464.2	1455.2
12.5°	1399.6	1421.3	1442.9	1440.7	1430.4	1424.8	1423.9	1424.5	1429.3	1434.2	1429.3
15°	1379.1	1404.8	1430.4	1420.0	1397.5	1387.3	1389.2	1391.4	1394.7	1397.9	1394.7
17.5°	1343.0	1369.8	1396.6	1387.3	1365.9	1358.6	1365.5	1372.3	1378.6	1384.9	1378.6
20°	1320.0	1346.2	1372.5	1366.1	1348.8	1344.6	1353.6	1363.1	1374.0	1384.9	1374.0
22.5°	1299.2	1325.5	1351.8	1347.7	1333.4	1332.6	1345.2	1358.3	1373.3	1388.3	1373.3
25°	1269.5	1292.6	1315.6	1316.1	1309.1	1316.1	1337.3	1357.3	1374.0	1390.6	1374.0
27.5°	1238.3	1251.9	1265.5	1274.5	1281.9	1299.9	1328.5	1352.9	1364.6	1376.2	1364.6
30°	1211.8	1220.7	1229.7	1246.4	1265.6	1287.7	1312.7	1332.6	1337.1	1341.6	1337.1
32.5°	1182.9	1188.3	1193.7	1217.2	1246.6	1268.0	1281.2	1289.7	1283.9	1278.1	1283.9
35°	1135.3	1139.8	1144.3	1174.3	1212.7	1226.8	1216.6	1205.8	1193.7	1181.5	1193.7
37.5°	1078.8	1088.0	1097.2	1121.7	1151.1	1150.9	1120.9	1094.9	1080.9	1066.9	1080.9
40°	1037.2	1052.6	1068.0	1084.3	1101.0	1086.9	1042.0	1004.4	988.3	972.3	988.3
42.5°	986.4	1011.1	1035.7	1039.3	1036.0	1005.7	948.5	900.7	881.1	861.5	881.1
45°	905.9	939.3	972.6	953.5	917.0	867.6	805.4	753.3	731.5	709.7	731.5
47.5°	811.0	845.3	879.5	843.5	784.2	726.7	671.2	624.4	604.1	583.7	604.1
50°	748.7	776.3	803.8	763.1	699.7	641.9	590.0	545.5	523.0	500.6	523.0
52.5°	685.2	705.1	725.0	684.6	624.3	568.1	516.2	472.1	451.7	431.3	451.7
55°	587.1	597.4	607.6	570.3	517.1	465.8	416.4	375.9	361.8	347.7	361.8
57.5°	497.1	503.7	510.2	474.8	425.4	379.8	337.9	303.8	293.4	283.0	293.4
60°	442.9	447.4	451.8	415.9	366.6	325.5	292.8	266.2	257.9	249.6	257.9
62.5°	393.2	396.7	400.2	365.5	318.2	281.6	255.5	234.4	228.2	221.9	228.2
65°	323.1	326.3	329.5	300.1	259.7	229.5	209.7	193.6	189.1	184.7	189.1
67.5°	267.5	269.1	270.8	246.5	213.5	189.2	173.6	160.8	156.6	152.3	156.6
70°	235.1	235.8	236.4	214.9	186.1	164.6	150.5	139.1	135.9	132.7	135.9
72.5°	206.3	205.4	204.5	185.3	160.1	141.7	130.1	120.9	118.7	116.6	118.7
75°	163.0	161.1	159.2	143.3	122.8	108.7	101.0	94.9	93.6	92.3	93.6
77.5°	121.8	119.7	117.7	104.4	87.5	77.8	75.2	73.3	73.3	73.3	73.3
80°	95.2	92.6	90.1	79.8	67.0	60.6	60.6	60.6	60.6	60.6	60.6
82.5°	71.0	67.4	63.8	57.5	50.3	46.7	46.7	46.6	46.1	45.6	46.1
85°	34.6	31.4	28.2	27.4	27.4	25.5	21.6	18.3	16.3	14.4	16.3
87.5°	10.4	12.0	14.1	13.7	12.4	11.5	11.5	11.9	12.3	12.3	12.3
90°	6.0	14.1	24.1	32.2	38.2	40.2	40.2	42.2	44.3	44.3	44.3
92.5°	22.1	35.0	35.4	35.4	43.0	46.7	49.9	50.3	52.3	52.3	52.3
95°	62.4	68.4	102.6	100.6	68.4	54.3	46.3	46.3	46.3	46.3	46.3
97.5°	119.1	127.9	133.6	179.0	189.1	182.6	148.8	125.1	111.8	105.8	111.8
100°	169.0	173.0	185.1	187.1	237.4	285.6	261.5	231.3	221.3	215.2	221.3
102.5°	218.8	221.3	239.8	248.2	259.9	287.2	370.9	361.7	354.8	353.6	354.8
105°	293.7	295.7	329.9	346.0	354.0	354.0	352.0	392.2	456.6	470.7	456.6
107.5°	373.7	383.0	423.2	466.3	475.5	477.9	467.5	461.4	459.0	460.6	459.0
110°	428.4	442.5	490.8	545.1	559.2	563.2	559.2	553.2	549.1	549.1	549.1

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	481.5	502.1	556.8	619.1	642.9	654.9	646.1	641.7	637.6	640.9	637.6
115°	563.2	593.4	665.8	730.2	778.4	784.5	782.5	782.5	780.5	780.5	780.5
117.5°	638.8	687.1	768.4	843.2	899.1	915.2	923.3	920.9	918.4	922.5	918.4
120°	692.0	748.3	840.8	925.3	979.6	1003.7	1011.8	1007.8	1011.8	1007.8	1011.8
122.5°	748.3	817.5	908.4	996.1	1060.1	1087.4	1097.1	1097.9	1098.7	1096.3	1098.7
125°	832.8	917.2	1023.8	1114.4	1180.7	1212.9	1221.0	1223.0	1227.0	1237.1	1227.0
127.5°	918.0	1013.8	1130.9	1218.2	1286.1	1325.2	1337.6	1342.1	1350.5	1354.9	1350.5
130°	977.6	1086.2	1204.9	1287.3	1353.7	1396.0	1418.1	1424.1	1434.2	1432.2	1434.2
132.5°	1040.3	1153.8	1274.1	1359.8	1421.3	1466.8	1485.7	1503.0	1506.6	1509.4	1506.6
135°	1132.5	1255.2	1375.9	1460.3	1518.7	1562.9	1587.1	1603.2	1613.2	1619.2	1613.2
137.5°	1229.4	1359.0	1474.8	1550.0	1608.8	1647.0	1674.4	1691.3	1701.7	1706.5	1701.7
140°	1295.4	1420.1	1532.8	1611.2	1663.5	1701.7	1725.9	1746.0	1758.0	1758.0	1758.0
142.5°	1358.2	1481.3	1590.7	1669.1	1715.0	1750.0	1775.7	1791.0	1804.7	1804.7	1804.7
145°	1446.3	1569.0	1669.5	1748.0	1786.2	1818.4	1846.5	1858.6	1866.7	1866.7	1866.7
147.5°	1538.4	1647.0	1738.7	1814.0	1846.1	1884.0	1906.1	1915.7	1925.8	1921.4	1925.8
150°	1593.1	1693.7	1782.2	1852.6	1884.8	1921.0	1943.1	1951.1	1961.2	1955.2	1961.2
152.5°	1646.2	1741.9	1822.4	1888.0	1915.3	1951.5	1976.9	1984.9	1991.8	1987.3	1991.8
155°	1717.8	1802.3	1876.7	1937.1	1961.2	1995.4	2019.5	2029.6	2037.6	2027.6	2037.6
157.5°	1781.8	1854.6	1919.4	1974.9	2000.6	2030.0	2052.5	2065.0	2073.0	2068.6	2073.0
160°	1820.4	1886.8	1945.1	1997.4	2021.5	2047.7	2071.8	2085.9	2094.0	2087.9	2094.0
162.5°	1852.6	1912.5	1967.6	2015.1	2036.0	2059.0	2087.9	2100.4	2108.4	2100.8	2108.4
165°	1898.8	1947.1	1995.4	2035.6	2053.7	2071.8	2102.0	2116.1	2122.1	2114.1	2122.1
167.5°	1933.8	1970.9	2009.9	2044.5	2057.7	2075.4	2105.6	2117.3	2124.9	2114.9	2124.9
170°	1953.2	1985.3	2019.5	2047.7	2057.7	2073.8	2104.0	2114.1	2120.1	2110.0	2120.1
172.5°	1969.2	1993.4	2021.1	2046.1	2051.3	2064.2	2092.7	2102.8	2107.2	2098.8	2107.2
175°	1985.3	1999.4	2019.5	2035.6	2033.6	2041.7	2065.8	2073.8	2081.9	2069.8	2081.9
177.5°	1993.0	1999.4	2005.9	2015.5	2009.1	2009.1	2026.8	2031.6	2033.2	2026.8	2033.2
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2
2.5°	1412.1	1411.3	1410.8	1414.1	1421.3	1424.8	1417.1	1409.4	1417.1	1424.8	1421.3
5°	1421.1	1418.5	1417.3	1420.1	1427.2	1429.8	1418.9	1408.0	1418.9	1429.8	1427.2
7.5°	1445.0	1440.1	1436.4	1436.3	1439.9	1438.7	1423.2	1407.7	1423.2	1438.7	1439.9
10°	1446.3	1443.5	1442.9	1443.9	1446.4	1443.7	1425.1	1406.5	1425.1	1443.7	1446.4
12.5°	1424.5	1423.9	1424.8	1430.4	1440.7	1442.9	1421.3	1399.6	1421.3	1442.9	1440.7
15°	1391.4	1389.2	1387.3	1397.5	1420.0	1430.4	1404.8	1379.1	1404.8	1430.4	1420.0
17.5°	1372.3	1365.5	1358.6	1365.9	1387.3	1396.6	1369.8	1343.0	1369.8	1396.6	1387.3
20°	1363.1	1353.6	1344.6	1348.8	1366.1	1372.5	1346.2	1320.0	1346.2	1372.5	1366.1
22.5°	1358.3	1345.2	1332.6	1333.4	1347.7	1351.8	1325.5	1299.2	1325.5	1351.8	1347.7
25°	1357.3	1337.3	1316.1	1309.1	1316.1	1315.6	1292.6	1269.5	1292.6	1315.6	1316.1
27.5°	1352.9	1328.5	1299.9	1281.9	1274.5	1265.5	1251.9	1238.3	1251.9	1265.5	1274.5
30°	1332.6	1312.7	1287.7	1265.6	1246.4	1229.7	1220.7	1211.8	1220.7	1229.7	1246.4
32.5°	1289.7	1281.2	1268.0	1246.6	1217.2	1193.7	1188.3	1182.9	1188.3	1193.7	1217.2
35°	1205.8	1216.6	1226.8	1212.7	1174.3	1144.3	1139.8	1135.3	1139.8	1144.3	1174.3
37.5°	1094.9	1120.9	1150.9	1151.1	1121.7	1097.2	1088.0	1078.8	1088.0	1097.2	1121.7
40°	1004.4	1042.0	1086.9	1101.0	1084.3	1068.0	1052.6	1037.2	1052.6	1068.0	1084.3
42.5°	900.7	948.5	1005.7	1036.0	1039.3	1035.7	1011.1	986.4	1011.1	1035.7	1039.3
45°	753.3	805.4	867.6	917.0	953.5	972.6	939.3	905.9	939.3	972.6	953.5
47.5°	624.4	671.2	726.7	784.2	843.5	879.5	845.3	811.0	845.3	879.5	843.5
50°	545.5	590.0	641.9	699.7	763.1	803.8	776.3	748.7	776.3	803.8	763.1
52.5°	472.1	516.2	568.1	624.3	684.6	725.0	705.1	685.2	705.1	725.0	684.6
55°	375.9	416.4	465.8	517.1	570.3	607.6	597.4	587.1	597.4	607.6	570.3
57.5°	303.8	337.9	379.8	425.4	474.8	510.2	503.7	497.1	503.7	510.2	474.8
60°	266.2	292.8	325.5	366.6	415.9	451.8	447.4	442.9	447.4	451.8	415.9
62.5°	234.4	255.5	281.6	318.2	365.5	400.2	396.7	393.2	396.7	400.2	365.5
65°	193.6	209.7	229.5	259.7	300.1	329.5	326.3	323.1	326.3	329.5	300.1
67.5°	160.8	173.6	189.2	213.5	246.5	270.8	269.1	267.5	269.1	270.8	246.5
70°	139.1	150.5	164.6	186.1	214.9	236.4	235.8	235.1	235.8	236.4	214.9
72.5°	120.9	130.1	141.7	160.1	185.3	204.5	205.4	206.3	205.4	204.5	185.3
75°	94.9	101.0	108.7	122.8	143.3	159.2	161.1	163.0	161.1	159.2	143.3
77.5°	73.3	75.2	77.8	87.5	104.4	117.7	119.7	121.8	119.7	117.7	104.4
80°	60.6	60.6	60.6	67.0	79.8	90.1	92.6	95.2	92.6	90.1	79.8
82.5°	46.6	46.7	46.7	50.3	57.5	63.8	67.4	71.0	67.4	63.8	57.5
85°	18.3	21.6	25.5	27.4	27.4	28.2	31.4	34.6	31.4	28.2	27.4
87.5°	11.9	11.5	11.5	12.4	13.7	14.1	12.0	10.4	12.0	13.7	14.6
90°	42.2	40.2	40.2	38.2	32.2	24.1	14.1	6.0	14.1	22.1	36.2
92.5°	50.3	49.9	46.7	43.0	35.4	35.4	35.0	22.1	38.2	54.3	78.0
95°	46.3	46.3	54.3	68.4	100.6	102.6	68.4	62.4	88.5	124.7	156.9
97.5°	125.1	148.8	182.6	189.1	179.0	133.6	127.9	119.1	162.1	197.9	249.8
100°	231.3	261.5	285.6	237.4	187.1	185.1	173.0	169.0	215.2	249.4	299.7
102.5°	361.7	370.9	287.2	259.9	248.2	239.8	221.3	218.8	265.1	312.2	354.4
105°	392.2	352.0	354.0	354.0	346.0	329.9	295.7	293.7	346.0	400.3	452.6
107.5°	461.4	467.5	477.9	475.5	466.3	423.2	383.0	373.7	420.8	486.0	543.5
110°	553.2	559.2	563.2	559.2	545.1	490.8	442.5	428.4	470.7	539.1	601.4



TEST NUMBER: P1428309

CATALOG NUMBER: SQ2W-PR1-K-150U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	641.7	646.1	654.9	642.9	619.1	556.8	502.1	481.5	523.8	593.8	657.8
115°	782.5	782.5	784.5	778.4	730.2	665.8	593.4	563.2	599.4	663.8	734.2
117.5°	920.9	923.3	915.2	899.1	843.2	768.4	687.1	638.8	667.4	735.4	807.8
120°	1007.8	1011.8	1003.7	979.6	925.3	840.8	748.3	692.0	714.1	780.5	852.9
122.5°	1097.9	1097.1	1087.4	1060.1	996.1	908.4	817.5	748.3	757.5	819.1	889.9
125°	1223.0	1221.0	1212.9	1180.7	1114.4	1023.8	917.2	832.8	820.7	873.0	945.4
127.5°	1342.1	1337.6	1325.2	1286.1	1218.2	1130.9	1013.8	918.0	891.1	924.1	990.5
130°	1424.1	1418.1	1396.0	1353.7	1287.3	1204.9	1086.2	977.6	939.4	959.5	1017.8
132.5°	1503.0	1485.7	1466.8	1421.3	1359.8	1274.1	1153.8	1040.3	987.6	996.5	1041.9
135°	1603.2	1587.1	1562.9	1518.7	1460.3	1375.9	1255.2	1132.5	1060.1	1052.0	1078.2
137.5°	1691.3	1674.4	1647.0	1608.8	1550.0	1474.8	1359.0	1229.4	1138.1	1111.1	1121.2
140°	1746.0	1725.9	1701.7	1663.5	1611.2	1532.8	1420.1	1295.4	1192.8	1154.6	1148.6
142.5°	1791.0	1775.7	1750.0	1715.0	1669.1	1590.7	1481.3	1358.2	1249.1	1199.6	1185.6
145°	1858.6	1846.5	1818.4	1786.2	1748.0	1669.5	1569.0	1446.3	1337.6	1273.3	1243.1
147.5°	1915.7	1906.1	1884.0	1846.1	1814.0	1738.7	1647.0	1538.4	1426.9	1347.3	1308.3
150°	1951.1	1943.1	1921.0	1884.8	1852.6	1782.2	1693.7	1593.1	1486.5	1402.0	1351.7
152.5°	1984.9	1976.9	1951.5	1915.3	1888.0	1822.4	1741.9	1646.2	1538.0	1453.5	1401.6
155°	2029.6	2019.5	1995.4	1961.2	1937.1	1876.7	1802.3	1717.8	1625.3	1536.8	1478.4
157.5°	2065.0	2052.5	2030.0	2000.6	1974.9	1919.4	1854.6	1781.8	1700.9	1616.4	1556.9
160°	2085.9	2071.8	2047.7	2021.5	1997.4	1945.1	1886.8	1820.4	1746.0	1669.5	1605.2
162.5°	2100.4	2087.9	2059.0	2036.0	2015.1	1967.6	1912.5	1852.6	1786.2	1719.4	1659.9
165°	2116.1	2102.0	2071.8	2053.7	2035.6	1995.4	1947.1	1898.8	1842.5	1788.2	1739.9
167.5°	2117.3	2105.6	2075.4	2057.7	2044.5	2009.9	1970.9	1933.8	1890.0	1847.3	1807.1
170°	2114.1	2104.0	2073.8	2057.7	2047.7	2019.5	1985.3	1953.2	1919.0	1882.7	1850.6
172.5°	2102.8	2092.7	2064.2	2051.3	2046.1	2021.1	1993.4	1969.2	1939.9	1913.3	1887.6
175°	2073.8	2065.8	2041.7	2033.6	2035.6	2019.5	1999.4	1985.3	1967.2	1951.1	1937.1
177.5°	2031.6	2026.8	2009.1	2009.1	2015.5	2005.9	1999.4	1993.0	1984.9	1980.1	1975.3
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1428309

CATALOG NUMBER: SQ2W-PR1-K-150U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2	1415.2
2.5°	1414.1	1410.8	1411.3	1412.1	1413.6	1415.2	1413.6	1412.1	1411.3	1410.8	1414.1
5°	1420.1	1417.3	1418.5	1421.1	1427.5	1433.9	1427.5	1421.1	1418.5	1417.3	1420.1
7.5°	1436.3	1436.4	1440.1	1445.0	1453.4	1461.9	1453.4	1445.0	1440.1	1436.4	1436.3
10°	1443.9	1442.9	1443.5	1446.3	1455.2	1464.2	1455.2	1446.3	1443.5	1442.9	1443.9
12.5°	1430.4	1424.8	1423.9	1424.5	1429.3	1434.2	1429.3	1424.5	1423.9	1424.8	1430.4
15°	1397.5	1387.3	1389.2	1391.4	1394.7	1397.9	1394.7	1391.4	1389.2	1387.3	1397.5
17.5°	1365.9	1358.6	1365.5	1372.3	1378.6	1384.9	1378.6	1372.3	1365.5	1358.6	1365.9
20°	1348.8	1344.6	1353.6	1363.1	1374.0	1384.9	1374.0	1363.1	1353.6	1344.6	1348.8
22.5°	1333.4	1332.6	1345.2	1358.3	1373.3	1388.3	1373.3	1358.3	1345.2	1332.6	1333.4
25°	1309.1	1316.1	1337.3	1357.3	1374.0	1390.6	1374.0	1357.3	1337.3	1316.1	1309.1
27.5°	1281.9	1299.9	1328.5	1352.9	1364.6	1376.2	1364.6	1352.9	1328.5	1299.9	1281.9
30°	1265.6	1287.7	1312.7	1332.6	1337.1	1341.6	1337.1	1332.6	1312.7	1287.7	1265.6
32.5°	1246.6	1268.0	1281.2	1289.7	1283.9	1278.1	1283.9	1289.7	1281.2	1268.0	1246.6
35°	1212.7	1226.8	1216.6	1205.8	1193.7	1181.5	1193.7	1205.8	1216.6	1226.8	1212.7
37.5°	1151.1	1150.9	1120.9	1094.9	1080.9	1066.9	1080.9	1094.9	1120.9	1150.9	1151.1
40°	1101.0	1086.9	1042.0	1004.4	988.3	972.3	988.3	1004.4	1042.0	1086.9	1101.0
42.5°	1036.0	1005.7	948.5	900.7	881.1	861.5	881.1	900.7	948.5	1005.7	1036.0
45°	917.0	867.6	805.4	753.3	731.5	709.7	731.5	753.3	805.4	867.6	917.0
47.5°	784.2	726.7	671.2	624.4	604.1	583.7	604.1	624.4	671.2	726.7	784.2
50°	699.7	641.9	590.0	545.5	523.0	500.6	523.0	545.5	590.0	641.9	699.7
52.5°	624.3	568.1	516.2	472.1	451.7	431.3	451.7	472.1	516.2	568.1	624.3
55°	517.1	465.8	416.4	375.9	361.8	347.7	361.8	375.9	416.4	465.8	517.1
57.5°	425.4	379.8	337.9	303.8	293.4	283.0	293.4	303.8	337.9	379.8	425.4
60°	366.6	325.5	292.8	266.2	257.9	249.6	257.9	266.2	292.8	325.5	366.6
62.5°	318.2	281.6	255.5	234.4	228.2	221.9	228.2	234.4	255.5	281.6	318.2
65°	259.7	229.5	209.7	193.6	189.1	184.7	189.1	193.6	209.7	229.5	259.7
67.5°	213.5	189.2	173.6	160.8	156.6	152.3	156.6	160.8	173.6	189.2	213.5
70°	186.1	164.6	150.5	139.1	135.9	132.7	135.9	139.1	150.5	164.6	186.1
72.5°	160.1	141.7	130.1	120.9	118.7	116.6	118.7	120.9	130.1	141.7	160.1
75°	122.8	108.7	101.0	94.9	93.6	92.3	93.6	94.9	101.0	108.7	122.8
77.5°	87.5	77.8	75.2	73.3	73.3	73.3	73.3	73.3	75.2	77.8	87.5
80°	67.0	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	67.0
82.5°	50.3	46.7	46.7	46.6	46.1	45.6	46.1	46.6	46.7	46.7	50.3
85°	27.4	25.5	21.6	18.3	16.3	14.4	16.3	18.3	21.6	25.5	27.4
87.5°	14.0	15.5	18.3	20.0	21.6	20.8	21.6	20.0	18.3	15.5	14.0
90°	46.3	60.3	74.4	82.5	90.5	86.5	90.5	82.5	74.4	60.3	46.3
92.5°	92.9	116.7	134.0	148.4	154.9	154.1	154.9	148.4	134.0	116.7	92.9
95°	187.1	215.2	243.4	263.5	275.6	271.6	275.6	263.5	243.4	215.2	187.1
97.5°	288.4	326.3	357.6	376.5	388.6	396.7	388.6	376.5	357.6	326.3	288.4
100°	356.0	392.2	428.4	450.6	470.7	478.7	470.7	450.6	428.4	392.2	356.0
102.5°	410.7	458.2	497.6	521.4	538.3	546.3	538.3	521.4	497.6	458.2	410.7
105°	500.9	551.1	593.4	623.6	641.7	647.7	641.7	623.6	593.4	551.1	500.9
107.5°	591.0	642.9	681.9	715.3	737.4	750.3	737.4	715.3	681.9	642.9	591.0
110°	661.8	704.0	746.3	776.4	798.6	806.6	798.6	776.4	746.3	704.0	661.8



TEST NUMBER: P1428309

CATALOG NUMBER: SQ2W-PR1-K-150U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	721.3	768.4	810.6	840.8	866.1	877.4	866.1	840.8	810.6	768.4	721.3
115°	804.6	866.9	905.2	933.3	951.4	961.5	951.4	933.3	905.2	866.9	804.6
117.5°	873.8	939.0	980.8	1002.5	1011.0	1018.2	1011.0	1002.5	980.8	939.0	873.8
120°	917.2	977.6	1025.9	1054.0	1064.1	1068.1	1064.1	1054.0	1025.9	977.6	917.2
122.5°	957.5	1014.6	1061.3	1095.9	1112.4	1116.4	1112.4	1095.9	1061.3	1014.6	957.5
125°	1013.8	1068.1	1116.4	1150.6	1168.7	1178.7	1168.7	1150.6	1116.4	1068.1	1013.8
127.5°	1062.9	1121.6	1165.9	1196.8	1214.5	1222.6	1214.5	1196.8	1165.9	1121.6	1062.9
130°	1090.2	1150.6	1194.8	1229.0	1245.1	1253.2	1245.1	1229.0	1194.8	1150.6	1090.2
132.5°	1111.1	1174.7	1220.6	1251.5	1269.2	1277.3	1269.2	1251.5	1220.6	1174.7	1111.1
135°	1136.5	1202.9	1251.1	1281.3	1297.4	1305.5	1297.4	1281.3	1251.1	1202.9	1136.5
137.5°	1158.6	1219.0	1269.2	1301.0	1315.5	1320.7	1315.5	1301.0	1269.2	1219.0	1158.6
140°	1174.7	1227.0	1277.3	1307.5	1323.6	1325.6	1323.6	1307.5	1277.3	1227.0	1174.7
142.5°	1195.6	1236.7	1280.5	1310.7	1326.8	1330.4	1326.8	1310.7	1280.5	1236.7	1195.6
145°	1233.0	1257.2	1287.3	1315.5	1329.6	1333.6	1329.6	1315.5	1287.3	1257.2	1233.0
147.5°	1280.1	1287.8	1303.4	1321.9	1335.6	1338.4	1335.6	1321.9	1303.4	1287.8	1280.1
150°	1315.5	1313.5	1319.5	1331.6	1343.7	1341.7	1343.7	1331.6	1319.5	1313.5	1315.5
152.5°	1355.7	1344.1	1343.7	1349.3	1354.9	1354.5	1354.9	1349.3	1343.7	1344.1	1355.7
155°	1424.1	1402.0	1389.9	1385.9	1385.9	1383.9	1385.9	1385.9	1389.9	1402.0	1424.1
157.5°	1499.4	1468.4	1450.3	1440.6	1437.8	1433.4	1437.8	1440.6	1450.3	1468.4	1499.4
160°	1550.9	1516.7	1498.6	1482.5	1476.4	1470.4	1476.4	1482.5	1498.6	1516.7	1550.9
162.5°	1599.1	1566.5	1546.8	1532.3	1526.3	1517.1	1526.3	1532.3	1546.8	1566.5	1599.1
165°	1677.6	1643.4	1621.3	1609.2	1601.1	1593.1	1601.1	1609.2	1621.3	1643.4	1677.6
167.5°	1756.0	1718.6	1704.1	1690.5	1682.8	1668.3	1682.8	1690.5	1704.1	1718.6	1756.0
170°	1804.3	1770.1	1762.1	1750.0	1735.9	1719.8	1735.9	1750.0	1762.1	1770.1	1804.3
172.5°	1846.1	1823.2	1815.2	1803.1	1798.7	1785.8	1798.7	1803.1	1815.2	1823.2	1846.1
175°	1906.9	1888.8	1888.8	1886.8	1880.7	1868.7	1880.7	1886.8	1888.8	1888.8	1906.9
177.5°	1957.6	1947.9	1954.4	1954.4	1952.7	1941.5	1952.7	1954.4	1954.4	1947.9	1957.6
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1428309

CATALOG NUMBER: SQ2W-PR1-K-150U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1415.2	1415.2	1415.2	1415.2
2.5°	1421.3	1424.8	1417.1	1409.4
5°	1427.2	1429.8	1418.9	1408.0
7.5°	1439.9	1438.7	1423.2	1407.7
10°	1446.4	1443.7	1425.1	1406.5
12.5°	1440.7	1442.9	1421.3	1399.6
15°	1420.0	1430.4	1404.8	1379.1
17.5°	1387.3	1396.6	1369.8	1343.0
20°	1366.1	1372.5	1346.2	1320.0
22.5°	1347.7	1351.8	1325.5	1299.2
25°	1316.1	1315.6	1292.6	1269.5
27.5°	1274.5	1265.5	1251.9	1238.3
30°	1246.4	1229.7	1220.7	1211.8
32.5°	1217.2	1193.7	1188.3	1182.9
35°	1174.3	1144.3	1139.8	1135.3
37.5°	1121.7	1097.2	1088.0	1078.8
40°	1084.3	1068.0	1052.6	1037.2
42.5°	1039.3	1035.7	1011.1	986.4
45°	953.5	972.6	939.3	905.9
47.5°	843.5	879.5	845.3	811.0
50°	763.1	803.8	776.3	748.7
52.5°	684.6	725.0	705.1	685.2
55°	570.3	607.6	597.4	587.1
57.5°	474.8	510.2	503.7	497.1
60°	415.9	451.8	447.4	442.9
62.5°	365.5	400.2	396.7	393.2
65°	300.1	329.5	326.3	323.1
67.5°	246.5	270.8	269.1	267.5
70°	214.9	236.4	235.8	235.1
72.5°	185.3	204.5	205.4	206.3
75°	143.3	159.2	161.1	163.0
77.5°	104.4	117.7	119.7	121.8
80°	79.8	90.1	92.6	95.2
82.5°	57.5	63.8	67.4	71.0
85°	27.4	28.2	31.4	34.6
87.5°	14.6	13.7	12.0	10.4
90°	36.2	22.1	14.1	6.0
92.5°	78.0	54.3	38.2	22.1
95°	156.9	124.7	88.5	62.4
97.5°	249.8	197.9	162.1	119.1
100°	299.7	249.4	215.2	169.0
102.5°	354.4	312.2	265.1	218.8
105°	452.6	400.3	346.0	293.7
107.5°	543.5	486.0	420.8	373.7
110°	601.4	539.1	470.7	428.4



TEST NUMBER: P1428309

CATALOG NUMBER: SQ2W-PR1-K-150U-075D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	657.8	593.8	523.8	481.5
115°	734.2	663.8	599.4	563.2
117.5°	807.8	735.4	667.4	638.8
120°	852.9	780.5	714.1	692.0
122.5°	889.9	819.1	757.5	748.3
125°	945.4	873.0	820.7	832.8
127.5°	990.5	924.1	891.1	918.0
130°	1017.8	959.5	939.4	977.6
132.5°	1041.9	996.5	987.6	1040.3
135°	1078.2	1052.0	1060.1	1132.5
137.5°	1121.2	1111.1	1138.1	1229.4
140°	1148.6	1154.6	1192.8	1295.4
142.5°	1185.6	1199.6	1249.1	1358.2
145°	1243.1	1273.3	1337.6	1446.3
147.5°	1308.3	1347.3	1426.9	1538.4
150°	1351.7	1402.0	1486.5	1593.1
152.5°	1401.6	1453.5	1538.0	1646.2
155°	1478.4	1536.8	1625.3	1717.8
157.5°	1556.9	1616.4	1700.9	1781.8
160°	1605.2	1669.5	1746.0	1820.4
162.5°	1659.9	1719.4	1786.2	1852.6
165°	1739.9	1788.2	1842.5	1898.8
167.5°	1807.1	1847.3	1890.0	1933.8
170°	1850.6	1882.7	1919.0	1953.2
172.5°	1887.6	1913.3	1939.9	1969.2
175°	1937.1	1951.1	1967.2	1985.3
177.5°	1975.3	1980.1	1984.9	1993.0
180°	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1428309
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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	16.18	16.91	17.25	17.98	19.43	12.55	13.28	13.62	14.35	15.80
	3H	17.38	18.03	18.46	19.11	20.57	13.71	14.36	14.78	15.43	16.90
	4H	17.86	18.48	18.95	19.55	21.03	14.16	14.78	15.25	15.85	17.33
	6H	18.15	18.72	19.25	19.80	21.28	14.50	15.06	15.60	16.14	17.63
	8H	18.25	18.79	19.35	19.88	21.36	14.63	15.17	15.73	16.26	17.74
	12H	18.29	18.80	19.39	19.89	21.39	14.66	15.17	15.76	16.26	17.76
4H	2H	16.27	16.89	17.37	17.96	19.44	13.25	13.86	14.34	14.94	16.41
	3H	17.72	18.23	18.82	19.33	20.82	14.59	15.10	15.69	16.21	17.69
	4H	18.34	18.81	19.45	19.91	21.41	15.13	15.60	16.24	16.69	18.20
	6H	18.77	19.17	19.88	20.29	21.79	15.56	15.96	16.67	17.08	18.58
	8H	18.92	19.30	20.04	20.41	21.92	15.74	16.11	16.85	17.22	18.74
	12H	18.98	19.32	20.11	20.44	21.96	15.78	16.12	16.91	17.24	18.76
8H	4H	18.36	18.73	19.47	19.84	21.36	15.45	15.82	16.56	16.93	18.45
	6H	18.89	19.20	20.02	20.35	21.86	15.99	16.30	17.12	17.45	18.96
	8H	19.12	19.39	20.26	20.52	22.06	16.25	16.52	17.39	17.65	19.18
	12H	19.23	19.47	20.38	20.60	22.17	16.34	16.57	17.48	17.70	19.27
12H	4H	18.31	18.65	19.44	19.77	21.29	15.46	15.80	16.59	16.92	18.44
	6H	18.88	19.15	20.02	20.28	21.81	16.06	16.33	17.20	17.46	18.99
	8H	19.12	19.36	20.27	20.49	22.06	16.34	16.58	17.49	17.71	19.28