

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: P1427745

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1427745
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-F-K-075U-125D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - FROSTED CONTINUOUS ROLL LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

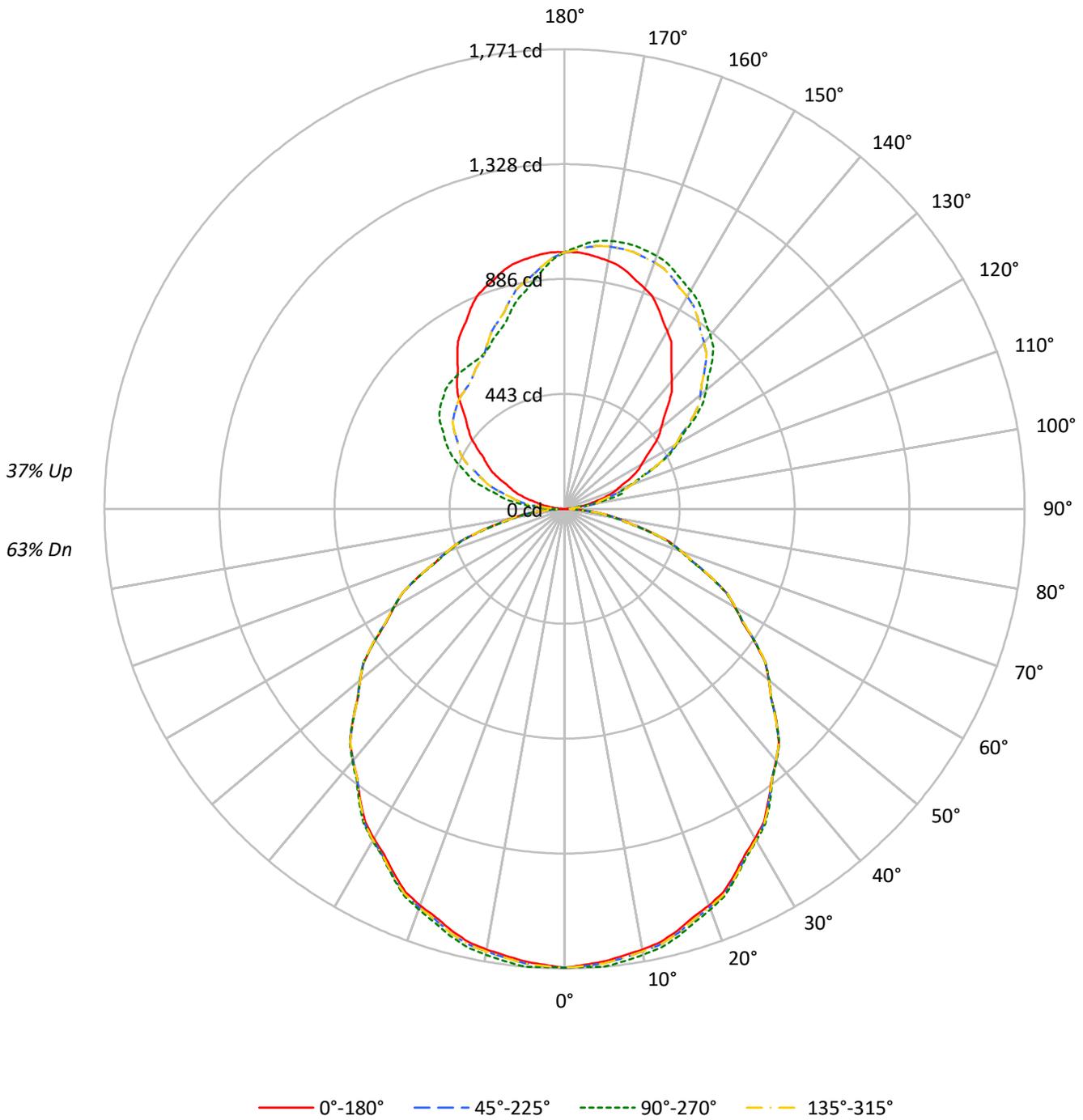
Lumens per Lamp: N/A
Luminaire Lumens: 7867.9 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 72.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	110	110	110	110	103	103	103	103	91	91	91	79	79	79	68	68	68	63
1	101	96	92	88	94	90	87	83	79	77	74	69	67	66	60	59	57	53
2	91	84	77	72	85	79	73	68	69	65	61	61	57	54	53	50	48	44
3	83	73	66	60	78	69	62	57	61	56	51	53	49	46	46	43	41	37
4	76	65	57	50	71	61	54	48	54	48	43	47	43	39	41	38	35	32
5	70	58	49	43	65	55	47	41	48	42	37	43	38	34	37	33	30	27
6	64	52	43	37	60	49	41	36	44	37	33	38	33	30	34	30	27	24
7	60	47	39	33	56	44	37	31	39	33	29	35	30	26	31	27	24	21
8	55	43	35	29	52	40	33	28	36	30	26	32	27	23	28	24	21	19
9	51	39	31	26	48	37	30	25	33	27	23	29	24	21	26	22	19	17
10	48	36	28	23	45	34	27	22	30	25	21	27	22	19	24	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	28547	28547	28547	28547
5°	28374	28697	28374	28697
10°	28273	28600	28273	28600
15°	28118	28473	28118	28473
20°	27941	28219	27941	28219
25°	27639	27883	27639	27883
30°	27346	27532	27346	27532
35°	26997	27168	26997	27168
40°	26689	26769	26689	26769
45°	26299	26299	26299	26299
50°	25771	25834	25771	25834
55°	25165	25202	25165	25202
60°	24486	24486	24486	24486
65°	23690	23595	23690	23595
70°	22569	22338	22569	22338
75°	21048	20586	21048	20586
80°	18754	17833	18754	17833
85°	14987	12690	14987	12690

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 26475 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.3	2.1
10°-20°	478.0	6.1
20°-30°	719.5	9.1
30°-40°	860.5	10.9
40°-50°	888.5	11.3
50°-60°	801.4	10.2
60°-70°	613.9	7.8
70°-80°	354.8	4.5
80°-90°	96.2	1.2
90°-100°	78.7	1.0
100°-110°	229.5	2.9
110°-120°	374.6	4.8
120°-130°	475.3	6.0
130°-140°	508.6	6.5
140°-150°	474.9	6.0
150°-160°	390.8	5.0
160°-170°	262.1	3.3
170°-180°	93.1	1.2
0°-30°	1364.9	17.3
0°-40°	2225.3	28.3
0°-60°	3915.3	49.8
0°-90°	4980.2	63.3
90°-120°	682.8	8.7
90°-150°	2141.7	27.2
90°-180°	2888.0	36.7
0°-180°	7867.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1768	1768	1768	1768	1768	
5°	1751	1771	1751	1771	1751	166
15°	1682	1703	1682	1703	1682	474
25°	1552	1565	1552	1565	1552	715
35°	1370	1378	1370	1378	1370	857
45°	1152	1152	1152	1152	1152	888
55°	894	895	894	895	894	799
65°	620	618	620	618	620	613
75°	337	330	337	330	337	357
85°	81	68	81	68	81	94
90°	3	22	3	43	3	6
95°	31	23	31	135	31	37
105°	146	234	146	322	146	155
115°	280	388	280	478	280	276
125°	414	614	414	585	414	370
135°	562	804	562	648	562	435
145°	718	927	718	662	718	449
155°	853	1007	853	687	853	392
165°	943	1050	943	791	943	265
175°	986	1028	986	928	986	94
180°	989	989	989	989	989	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1
2.5°	1759.2	1767.6	1776.0	1772.4	1764.9	1762.0	1763.8	1765.4	1766.2	1767.1	1766.2
5°	1750.7	1761.8	1772.8	1768.9	1760.1	1756.2	1757.3	1759.5	1765.1	1770.6	1765.1
7.5°	1736.5	1747.6	1758.6	1755.1	1746.7	1743.1	1744.5	1746.9	1752.7	1758.4	1752.7
10°	1724.5	1735.6	1746.7	1742.8	1733.9	1730.6	1732.8	1735.6	1740.0	1744.5	1740.0
12.5°	1709.6	1720.7	1731.7	1728.5	1720.6	1717.2	1718.6	1720.8	1725.6	1730.5	1725.6
15°	1682.2	1693.3	1704.3	1701.3	1693.5	1690.5	1692.2	1694.5	1698.9	1703.4	1698.9
17.5°	1649.1	1659.5	1669.9	1667.1	1659.9	1657.2	1659.1	1661.5	1665.4	1669.3	1665.4
20°	1626.2	1636.1	1646.1	1643.2	1636.0	1632.7	1633.2	1634.6	1638.5	1642.4	1638.5
22.5°	1598.3	1608.2	1618.2	1615.6	1608.9	1604.9	1603.7	1604.0	1608.7	1613.5	1608.7
25°	1551.5	1561.4	1571.4	1569.3	1563.2	1559.3	1557.7	1557.4	1561.3	1565.2	1561.3
27.5°	1502.7	1511.0	1519.3	1517.5	1512.4	1509.3	1508.2	1508.1	1510.8	1513.6	1510.8
30°	1466.8	1475.1	1483.4	1481.3	1475.8	1472.5	1471.4	1471.2	1474.0	1476.8	1474.0
32.5°	1428.9	1436.8	1444.7	1441.8	1435.4	1432.1	1431.8	1432.5	1435.7	1438.9	1435.7
35°	1369.7	1376.3	1383.0	1380.0	1374.0	1371.2	1371.7	1372.9	1375.6	1378.4	1375.6
37.5°	1310.2	1315.2	1320.3	1317.4	1311.7	1308.9	1308.7	1309.2	1311.6	1313.9	1311.6
40°	1266.3	1271.9	1277.4	1274.2	1268.1	1264.8	1264.2	1264.5	1267.3	1270.1	1267.3
42.5°	1221.5	1225.7	1229.9	1227.1	1221.9	1219.4	1219.8	1220.4	1221.8	1223.2	1221.8
45°	1151.8	1155.6	1159.5	1156.7	1151.8	1149.3	1149.3	1149.6	1150.7	1151.8	1150.7
47.5°	1078.8	1081.8	1084.8	1082.6	1078.7	1076.5	1075.8	1075.8	1077.5	1079.3	1077.5
50°	1026.0	1029.9	1033.8	1031.8	1027.9	1025.5	1024.3	1024.1	1026.3	1028.5	1026.3
52.5°	974.2	978.5	982.8	981.0	977.1	974.4	972.9	972.2	973.9	975.7	973.9
55°	894.0	899.0	904.0	902.7	899.4	896.6	894.4	893.1	894.2	895.3	894.2
57.5°	812.1	817.0	821.8	820.9	818.0	815.2	812.6	811.0	812.5	814.1	812.5
60°	758.3	762.7	767.2	765.8	762.4	759.7	757.5	756.1	757.2	758.3	757.2
62.5°	703.5	707.9	712.4	710.7	706.9	703.9	701.7	700.3	701.4	702.5	701.4
65°	620.1	624.0	627.8	626.3	623.0	620.2	618.0	616.5	617.0	617.6	617.0
67.5°	535.9	539.2	542.6	541.0	537.8	534.6	531.3	529.2	530.0	530.9	530.0
70°	478.1	481.5	484.8	483.5	480.8	478.0	475.2	473.2	473.2	473.2	473.2
72.5°	422.4	425.2	428.1	426.4	423.2	420.4	418.1	416.4	416.4	416.4	416.4
75°	337.4	339.1	340.8	339.9	338.3	336.1	333.3	331.1	330.5	330.0	330.5
77.5°	255.5	255.5	255.5	253.9	251.8	249.7	247.6	245.9	245.2	244.5	245.2
80°	201.7	201.7	201.7	200.5	198.8	197.1	195.5	194.0	192.9	191.8	192.9
82.5°	151.9	151.0	150.1	148.7	147.0	144.9	142.4	140.7	141.8	142.9	141.8
85°	80.9	79.8	78.7	77.2	75.5	73.6	71.4	69.6	69.0	68.5	69.0
87.5°	25.5	25.4	25.5	25.1	24.4	23.0	21.3	20.0	19.8	19.3	19.8
90°	3.0	7.0	12.0	16.0	19.0	20.0	20.0	21.0	22.0	22.0	22.0
92.5°	11.0	17.4	17.6	17.6	21.4	23.2	24.8	25.0	26.0	26.0	26.0
95°	31.0	34.0	50.9	49.9	34.0	27.0	23.0	23.0	23.0	23.0	23.0
97.5°	59.1	63.5	66.3	88.9	93.9	90.7	73.9	62.1	55.5	52.5	55.5
100°	83.9	85.9	91.9	92.9	117.9	141.9	129.9	114.9	109.9	106.9	109.9
102.5°	108.7	109.9	119.1	123.3	129.1	142.7	184.2	179.6	176.2	175.6	176.2
105°	145.8	146.8	163.8	171.8	175.8	175.8	174.8	194.8	226.8	233.8	226.8
107.5°	185.6	190.2	210.2	231.6	236.2	237.4	232.2	229.2	228.0	228.8	228.0
110°	212.8	219.8	243.7	270.7	277.7	279.7	277.7	274.7	272.7	272.7	272.7



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CANDELA DISTRIBUTION (continued):

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



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1
2.5°	1765.4	1763.8	1762.0	1764.9	1772.4	1776.0	1767.6	1759.2	1767.6	1776.0	1772.4
5°	1759.5	1757.3	1756.2	1760.1	1768.9	1772.8	1761.8	1750.7	1761.8	1772.8	1768.9
7.5°	1746.9	1744.5	1743.1	1746.7	1755.1	1758.6	1747.6	1736.5	1747.6	1758.6	1755.1
10°	1735.6	1732.8	1730.6	1733.9	1742.8	1746.7	1735.6	1724.5	1735.6	1746.7	1742.8
12.5°	1720.8	1718.6	1717.2	1720.6	1728.5	1731.7	1720.7	1709.6	1720.7	1731.7	1728.5
15°	1694.5	1692.2	1690.5	1693.5	1701.3	1704.3	1693.3	1682.2	1693.3	1704.3	1701.3
17.5°	1661.5	1659.1	1657.2	1659.9	1667.1	1669.9	1659.5	1649.1	1659.5	1669.9	1667.1
20°	1634.6	1633.2	1632.7	1636.0	1643.2	1646.1	1636.1	1626.2	1636.1	1646.1	1643.2
22.5°	1604.0	1603.7	1604.9	1608.9	1615.6	1618.2	1608.2	1598.3	1608.2	1618.2	1615.6
25°	1557.4	1557.7	1559.3	1563.2	1569.3	1571.4	1561.4	1551.5	1561.4	1571.4	1569.3
27.5°	1508.1	1508.2	1509.3	1512.4	1517.5	1519.3	1511.0	1502.7	1511.0	1519.3	1517.5
30°	1471.2	1471.4	1472.5	1475.8	1481.3	1483.4	1475.1	1466.8	1475.1	1483.4	1481.3
32.5°	1432.5	1431.8	1432.1	1435.4	1441.8	1444.7	1436.8	1428.9	1436.8	1444.7	1441.8
35°	1372.9	1371.7	1371.2	1374.0	1380.0	1383.0	1376.3	1369.7	1376.3	1383.0	1380.0
37.5°	1309.2	1308.7	1308.9	1311.7	1317.4	1320.3	1315.2	1310.2	1315.2	1320.3	1317.4
40°	1264.5	1264.2	1264.8	1268.1	1274.2	1277.4	1271.9	1266.3	1271.9	1277.4	1274.2
42.5°	1220.4	1219.8	1219.4	1221.9	1227.1	1229.9	1225.7	1221.5	1225.7	1229.9	1227.1
45°	1149.6	1149.3	1149.3	1151.8	1156.7	1159.5	1155.6	1151.8	1155.6	1159.5	1156.7
47.5°	1075.8	1075.8	1076.5	1078.7	1082.6	1084.8	1081.8	1078.8	1081.8	1084.8	1082.6
50°	1024.1	1024.3	1025.5	1027.9	1031.8	1033.8	1029.9	1026.0	1029.9	1033.8	1031.8
52.5°	972.2	972.9	974.4	977.1	981.0	982.8	978.5	974.2	978.5	982.8	981.0
55°	893.1	894.4	896.6	899.4	902.7	904.0	899.0	894.0	899.0	904.0	902.7
57.5°	811.0	812.6	815.2	818.0	820.9	821.8	817.0	812.1	817.0	821.8	820.9
60°	756.1	757.5	759.7	762.4	765.8	767.2	762.7	758.3	762.7	767.2	765.8
62.5°	700.3	701.7	703.9	706.9	710.7	712.4	707.9	703.5	707.9	712.4	710.7
65°	616.5	618.0	620.2	623.0	626.3	627.8	624.0	620.1	624.0	627.8	626.3
67.5°	529.2	531.3	534.6	537.8	541.0	542.6	539.2	535.9	539.2	542.6	541.0
70°	473.2	475.2	478.0	480.8	483.5	484.8	481.5	478.1	481.5	484.8	483.5
72.5°	416.4	418.1	420.4	423.2	426.4	428.1	425.2	422.4	425.2	428.1	426.4
75°	331.1	333.3	336.1	338.3	339.9	340.8	339.1	337.4	339.1	340.8	339.9
77.5°	245.9	247.6	249.7	251.8	253.9	255.5	255.5	255.5	255.5	255.5	253.9
80°	194.0	195.5	197.1	198.8	200.5	201.7	201.7	201.7	201.7	201.7	200.5
82.5°	140.7	142.4	144.9	147.0	148.7	150.1	151.0	151.9	151.0	150.1	148.7
85°	69.6	71.4	73.6	75.5	77.2	78.7	79.8	80.9	79.8	78.7	77.2
87.5°	20.0	21.3	23.0	24.4	25.1	25.5	25.4	25.5	25.4	25.3	25.5
90°	21.0	20.0	20.0	19.0	16.0	12.0	7.0	3.0	7.0	11.0	18.0
92.5°	25.0	24.8	23.2	21.4	17.6	17.6	17.4	11.0	19.0	27.0	38.8
95°	23.0	23.0	27.0	34.0	49.9	50.9	34.0	31.0	44.0	61.9	77.9
97.5°	62.1	73.9	90.7	93.9	88.9	66.3	63.5	59.1	80.5	98.3	124.1
100°	114.9	129.9	141.9	117.9	92.9	91.9	85.9	83.9	106.9	123.9	148.8
102.5°	179.6	184.2	142.7	129.1	123.3	119.1	109.9	108.7	131.7	155.0	176.0
105°	194.8	174.8	175.8	175.8	171.8	163.8	146.8	145.8	171.8	198.8	224.8
107.5°	229.2	232.2	237.4	236.2	231.6	210.2	190.2	185.6	209.0	241.4	269.9
110°	274.7	277.7	279.7	277.7	270.7	243.7	219.8	212.8	233.8	267.7	298.7



TEST NUMBER: P1427745

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

CANDELA DISTRIBUTION (continued):

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



TEST NUMBER: P1427745

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1	1768.1
2.5°	1764.9	1762.0	1763.8	1765.4	1766.2	1767.1	1766.2	1765.4	1763.8	1762.0	1764.9
5°	1760.1	1756.2	1757.3	1759.5	1765.1	1770.6	1765.1	1759.5	1757.3	1756.2	1760.1
7.5°	1746.7	1743.1	1744.5	1746.9	1752.7	1758.4	1752.7	1746.9	1744.5	1743.1	1746.7
10°	1733.9	1730.6	1732.8	1735.6	1740.0	1744.5	1740.0	1735.6	1732.8	1730.6	1733.9
12.5°	1720.6	1717.2	1718.6	1720.8	1725.6	1730.5	1725.6	1720.8	1718.6	1717.2	1720.6
15°	1693.5	1690.5	1692.2	1694.5	1698.9	1703.4	1698.9	1694.5	1692.2	1690.5	1693.5
17.5°	1659.9	1657.2	1659.1	1661.5	1665.4	1669.3	1665.4	1661.5	1659.1	1657.2	1659.9
20°	1636.0	1632.7	1633.2	1634.6	1638.5	1642.4	1638.5	1634.6	1633.2	1632.7	1636.0
22.5°	1608.9	1604.9	1603.7	1604.0	1608.7	1613.5	1608.7	1604.0	1603.7	1604.9	1608.9
25°	1563.2	1559.3	1557.7	1557.4	1561.3	1565.2	1561.3	1557.4	1557.7	1559.3	1563.2
27.5°	1512.4	1509.3	1508.2	1508.1	1510.8	1513.6	1510.8	1508.1	1508.2	1509.3	1512.4
30°	1475.8	1472.5	1471.4	1471.2	1474.0	1476.8	1474.0	1471.2	1471.4	1472.5	1475.8
32.5°	1435.4	1432.1	1431.8	1432.5	1435.7	1438.9	1435.7	1432.5	1431.8	1432.1	1435.4
35°	1374.0	1371.2	1371.7	1372.9	1375.6	1378.4	1375.6	1372.9	1371.7	1371.2	1374.0
37.5°	1311.7	1308.9	1308.7	1309.2	1311.6	1313.9	1311.6	1309.2	1308.7	1308.9	1311.7
40°	1268.1	1264.8	1264.2	1264.5	1267.3	1270.1	1267.3	1264.5	1264.2	1264.8	1268.1
42.5°	1221.9	1219.4	1219.8	1220.4	1221.8	1223.2	1221.8	1220.4	1219.8	1219.4	1221.9
45°	1151.8	1149.3	1149.3	1149.6	1150.7	1151.8	1150.7	1149.6	1149.3	1149.3	1151.8
47.5°	1078.7	1076.5	1075.8	1075.8	1077.5	1079.3	1077.5	1075.8	1075.8	1076.5	1078.7
50°	1027.9	1025.5	1024.3	1024.1	1026.3	1028.5	1026.3	1024.1	1024.3	1025.5	1027.9
52.5°	977.1	974.4	972.9	972.2	973.9	975.7	973.9	972.2	972.9	974.4	977.1
55°	899.4	896.6	894.4	893.1	894.2	895.3	894.2	893.1	894.4	896.6	899.4
57.5°	818.0	815.2	812.6	811.0	812.5	814.1	812.5	811.0	812.6	815.2	818.0
60°	762.4	759.7	757.5	756.1	757.2	758.3	757.2	756.1	757.5	759.7	762.4
62.5°	706.9	703.9	701.7	700.3	701.4	702.5	701.4	700.3	701.7	703.9	706.9
65°	623.0	620.2	618.0	616.5	617.0	617.6	617.0	616.5	618.0	620.2	623.0
67.5°	537.8	534.6	531.3	529.2	530.0	530.9	530.0	529.2	531.3	534.6	537.8
70°	480.8	478.0	475.2	473.2	473.2	473.2	473.2	473.2	475.2	478.0	480.8
72.5°	423.2	420.4	418.1	416.4	416.4	416.4	416.4	416.4	418.1	420.4	423.2
75°	338.3	336.1	333.3	331.1	330.5	330.0	330.5	331.1	333.3	336.1	338.3
77.5°	251.8	249.7	247.6	245.9	245.2	244.5	245.2	245.9	247.6	249.7	251.8
80°	198.8	197.1	195.5	194.0	192.9	191.8	192.9	194.0	195.5	197.1	198.8
82.5°	147.0	144.9	142.4	140.7	141.8	142.9	141.8	140.7	142.4	144.9	147.0
85°	75.5	73.6	71.4	69.6	69.0	68.5	69.0	69.6	71.4	73.6	75.5
87.5°	25.2	25.0	24.7	24.0	24.4	23.5	24.4	24.0	24.7	25.0	25.2
90°	23.0	30.0	37.0	41.0	45.0	43.0	45.0	41.0	37.0	30.0	23.0
92.5°	46.2	57.9	66.5	73.7	76.9	76.5	76.9	73.7	66.5	57.9	46.2
95°	92.9	106.9	120.9	130.9	136.9	134.9	136.9	130.9	120.9	106.9	92.9
97.5°	143.3	162.0	177.6	187.0	193.0	197.0	193.0	187.0	177.6	162.0	143.3
100°	176.8	194.8	212.8	223.8	233.8	237.8	233.8	223.8	212.8	194.8	176.8
102.5°	204.0	227.6	247.1	258.9	267.3	271.3	267.3	258.9	247.1	227.6	204.0
105°	248.7	273.7	294.7	309.7	318.7	321.7	318.7	309.7	294.7	273.7	248.7
107.5°	293.5	319.3	338.7	355.2	366.2	372.6	366.2	355.2	338.7	319.3	293.5
110°	328.7	349.6	370.6	385.6	396.6	400.6	396.6	385.6	370.6	349.6	328.7



TEST NUMBER: P1427745

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

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1427745

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1768.1	1768.1	1768.1	1768.1
2.5°	1772.4	1776.0	1767.6	1759.2
5°	1768.9	1772.8	1761.8	1750.7
7.5°	1755.1	1758.6	1747.6	1736.5
10°	1742.8	1746.7	1735.6	1724.5
12.5°	1728.5	1731.7	1720.7	1709.6
15°	1701.3	1704.3	1693.3	1682.2
17.5°	1667.1	1669.9	1659.5	1649.1
20°	1643.2	1646.1	1636.1	1626.2
22.5°	1615.6	1618.2	1608.2	1598.3
25°	1569.3	1571.4	1561.4	1551.5
27.5°	1517.5	1519.3	1511.0	1502.7
30°	1481.3	1483.4	1475.1	1466.8
32.5°	1441.8	1444.7	1436.8	1428.9
35°	1380.0	1383.0	1376.3	1369.7
37.5°	1317.4	1320.3	1315.2	1310.2
40°	1274.2	1277.4	1271.9	1266.3
42.5°	1227.1	1229.9	1225.7	1221.5
45°	1156.7	1159.5	1155.6	1151.8
47.5°	1082.6	1084.8	1081.8	1078.8
50°	1031.8	1033.8	1029.9	1026.0
52.5°	981.0	982.8	978.5	974.2
55°	902.7	904.0	899.0	894.0
57.5°	820.9	821.8	817.0	812.1
60°	765.8	767.2	762.7	758.3
62.5°	710.7	712.4	707.9	703.5
65°	626.3	627.8	624.0	620.1
67.5°	541.0	542.6	539.2	535.9
70°	483.5	484.8	481.5	478.1
72.5°	426.4	428.1	425.2	422.4
75°	339.9	340.8	339.1	337.4
77.5°	253.9	255.5	255.5	255.5
80°	200.5	201.7	201.7	201.7
82.5°	148.7	150.1	151.0	151.9
85°	77.2	78.7	79.8	80.9
87.5°	25.5	25.3	25.4	25.5
90°	18.0	11.0	7.0	3.0
92.5°	38.8	27.0	19.0	11.0
95°	77.9	61.9	44.0	31.0
97.5°	124.1	98.3	80.5	59.1
100°	148.8	123.9	106.9	83.9
102.5°	176.0	155.0	131.7	108.7
105°	224.8	198.8	171.8	145.8
107.5°	269.9	241.4	209.0	185.6
110°	298.7	267.7	233.8	212.8



TEST NUMBER: P1427745

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

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P1427745
 CATALOG NUMBER: SQ2W-F-K-075U-125D-L935-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	20.65	21.66	21.48	22.51	23.58	20.56	21.57	21.39	22.43	23.49
	3H	22.45	23.36	23.29	24.22	25.31	22.34	23.25	23.19	24.12	25.21
	4H	23.15	24.01	24.01	24.88	25.98	23.03	23.89	23.89	24.77	25.87
	6H	23.59	24.39	24.47	25.27	26.38	23.45	24.25	24.33	25.13	26.24
	8H	23.76	24.51	24.64	25.41	26.53	23.60	24.36	24.48	25.26	26.37
	12H	23.85	24.57	24.73	25.46	26.60	23.67	24.39	24.56	25.28	26.43
4H	2H	21.24	22.10	22.11	22.97	24.08	21.18	22.04	22.04	22.91	24.01
	3H	23.28	24.00	24.15	24.90	26.02	23.19	23.90	24.06	24.81	25.93
	4H	24.10	24.75	24.99	25.65	26.80	23.99	24.64	24.88	25.54	26.69
	6H	24.66	25.23	25.56	26.15	27.30	24.52	25.09	25.42	26.01	27.16
	8H	24.88	25.41	25.78	26.33	27.49	24.72	25.25	25.62	26.17	27.33
	12H	25.00	25.48	25.93	26.41	27.58	24.81	25.29	25.74	26.23	27.40
8H	4H	24.36	24.89	25.26	25.80	26.97	24.26	24.79	25.16	25.71	26.87
	6H	25.05	25.49	25.98	26.45	27.61	24.92	25.36	25.85	26.32	27.48
	8H	25.36	25.75	26.30	26.70	27.88	25.20	25.59	26.15	26.54	27.72
	12H	25.55	25.89	26.49	26.83	28.06	25.36	25.70	26.30	26.64	27.87
12H	4H	24.36	24.83	25.28	25.77	26.94	24.26	24.74	25.19	25.68	26.85
	6H	25.10	25.49	26.05	26.44	27.62	24.98	25.37	25.92	26.32	27.50
	8H	25.44	25.79	26.39	26.73	27.96	25.29	25.64	26.24	26.58	27.81