

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: P1428258

Luminaire Tested: SQ2W-PR1-K-100U-075D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428258
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-100U-075D-L835-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 1000 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

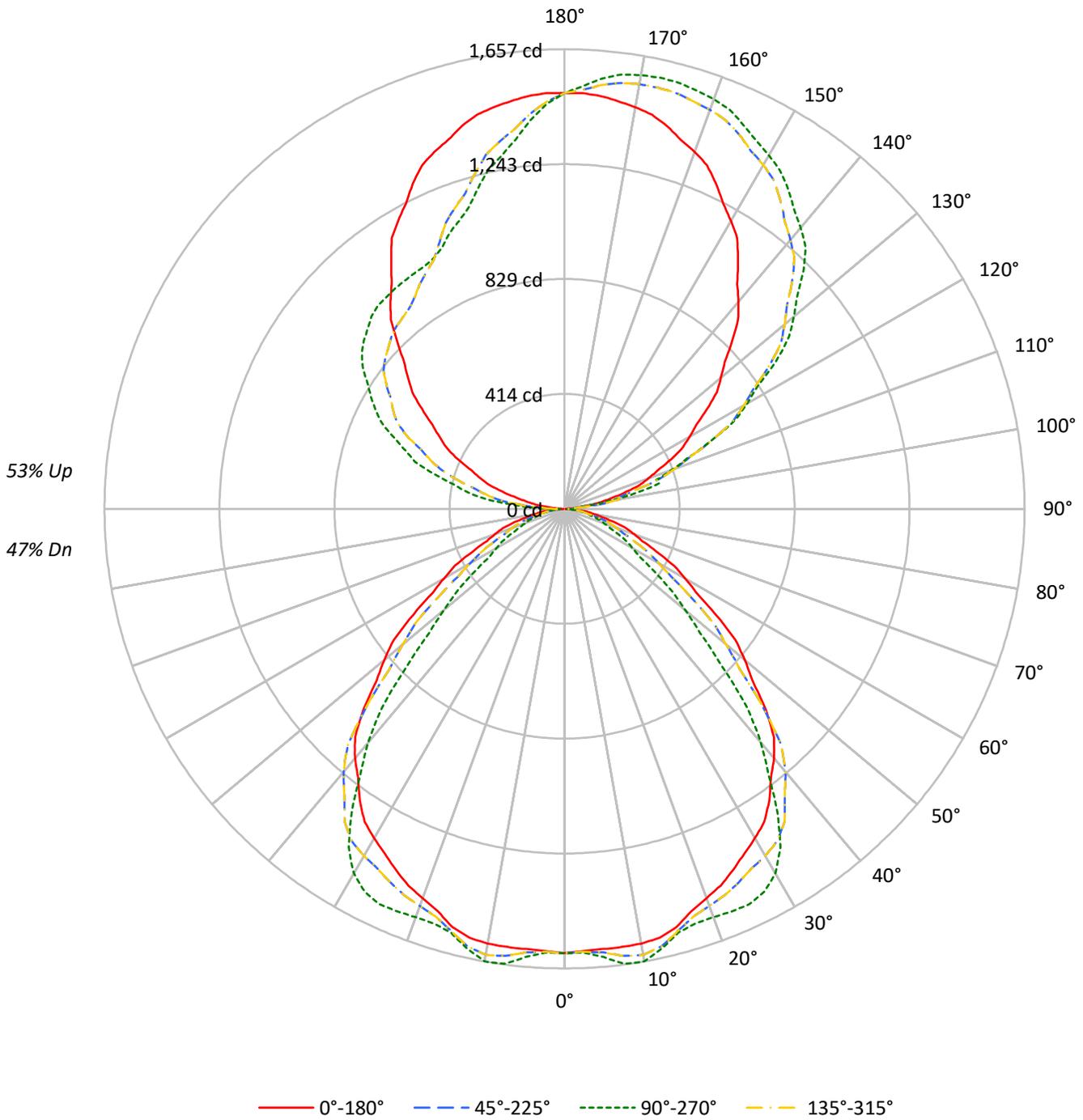
Lumens per Lamp: N/A
Luminaire Lumens: 8234.5 lumens
Efficiency: N/A
Efficacy: 137.7 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 59.8
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	50	30	10	0	
RCR																						
0	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53	47				47
1	98	94	90	87	90	86	83	80	72	70	68	60	58	57	48	47	46				41	
2	89	82	77	72	82	76	71	67	64	60	57	53	51	48	43	41	40				35	
3	82	73	66	60	75	67	61	56	57	52	49	47	44	41	38	36	34				30	
4	75	65	57	51	69	60	53	48	51	46	42	43	39	36	35	32	30				26	
5	69	58	50	44	63	54	47	42	46	41	36	38	34	31	31	29	26				23	
6	64	52	44	39	59	48	41	36	41	36	32	35	31	28	29	26	23				21	
7	59	47	39	34	54	44	37	32	38	32	28	32	28	25	26	23	21				18	
8	55	43	35	30	50	40	33	28	34	29	25	29	25	22	24	21	19				16	
9	51	39	32	27	47	36	30	25	31	26	23	27	23	20	22	19	17				15	
10	48	36	29	24	44	34	27	23	29	24	20	25	21	18	21	18	16				14	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	25857	25857	25857	25857
5°	25823	26299	25823	26299
10°	26095	27166	26095	27166
15°	26087	26442	26087	26442
20°	25666	26927	25666	26927
25°	25593	28035	25593	28035
30°	25566	28304	25566	28304
35°	25324	26352	25324	26352
40°	24740	23190	24740	23190
45°	23409	18340	23409	18340
50°	21282	14229	21282	14229
55°	18702	11074	18702	11074
60°	16184	9119	16184	9119
65°	13971	7985	13971	7985
70°	12562	7090	12562	7090
75°	11509	6519	11509	6519
80°	10014	6378	10014	6378
85°	7262	3020	7262	3020

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 25133 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.7	1.9
10°-20°	447.7	5.4
20°-30°	692.1	8.4
30°-40°	832.3	10.1
40°-50°	747.4	9.1
50°-60°	500.8	6.1
60°-70°	291.3	3.5
70°-80°	149.6	1.8
80°-90°	43.1	0.5
90°-100°	119.3	1.4
100°-110°	347.8	4.2
110°-120°	567.6	6.9
120°-130°	720.2	8.7
130°-140°	770.6	9.4
140°-150°	719.6	8.7
150°-160°	592.1	7.2
160°-170°	397.1	4.8
170°-180°	141.0	1.7
0°-30°	1294.5	15.7
0°-40°	2126.8	25.8
0°-60°	3375.0	41.0
0°-90°	3859.1	46.9
90°-120°	1034.6	12.6
90°-150°	3245.1	39.4
90°-180°	4375.0	53.1
0°-180°	8234.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1602	1602	1602	1602	1602	
5°	1593	1623	1593	1623	1593	152
15°	1561	1582	1561	1582	1561	438
25°	1437	1574	1437	1574	1437	663
35°	1285	1337	1285	1337	1285	801
45°	1025	803	1025	803	1025	784
55°	664	393	664	393	664	597
65°	366	209	366	209	366	370
75°	184	104	184	104	184	196
85°	39	16	39	16	39	49
90°	4	33	4	65	4	5
95°	47	35	47	204	47	57
105°	221	354	221	487	221	235
115°	424	587	424	724	424	418
125°	627	931	627	887	627	561
135°	852	1218	852	982	852	659
145°	1088	1405	1088	1004	1088	681
155°	1293	1526	1293	1041	1293	594
165°	1429	1591	1429	1199	1429	402
175°	1494	1558	1494	1406	1494	142
180°	1498	1498	1498	1498	1498	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5
2.5°	1595.0	1603.7	1612.4	1608.5	1600.3	1596.6	1597.1	1598.0	1599.8	1601.5	1599.8
5°	1593.3	1605.7	1618.0	1615.1	1607.1	1603.9	1605.3	1608.2	1615.5	1622.7	1615.5
7.5°	1593.0	1610.6	1628.1	1629.5	1625.4	1625.5	1629.7	1635.2	1644.8	1654.4	1644.8
10°	1591.7	1612.7	1633.8	1636.9	1634.0	1632.9	1633.6	1636.7	1646.8	1657.0	1646.8
12.5°	1583.9	1608.4	1632.9	1630.3	1618.7	1612.4	1611.4	1612.0	1617.5	1623.0	1617.5
15°	1560.7	1589.7	1618.7	1606.9	1581.5	1569.9	1572.1	1574.7	1578.3	1581.9	1578.3
17.5°	1519.9	1550.2	1580.5	1569.9	1545.7	1537.5	1545.3	1553.0	1560.1	1567.2	1560.1
20°	1493.8	1523.5	1553.2	1546.0	1526.4	1521.7	1531.8	1542.5	1554.9	1567.2	1554.9
22.5°	1470.2	1500.0	1529.7	1525.1	1509.0	1508.0	1522.3	1537.2	1554.2	1571.1	1554.2
25°	1436.6	1462.7	1488.9	1489.4	1481.4	1489.4	1513.3	1536.0	1554.9	1573.7	1554.9
27.5°	1401.4	1416.7	1432.1	1442.3	1450.7	1471.1	1503.4	1531.0	1544.2	1557.4	1544.2
30°	1371.3	1381.5	1391.6	1410.5	1432.3	1457.3	1485.6	1508.1	1513.2	1518.2	1513.2
32.5°	1338.7	1344.8	1350.9	1377.4	1410.8	1434.9	1449.9	1459.5	1452.9	1446.4	1452.9
35°	1284.8	1289.9	1294.9	1328.9	1372.4	1388.4	1376.8	1364.6	1350.8	1337.0	1350.8
37.5°	1220.8	1231.2	1241.7	1269.3	1302.7	1302.4	1268.5	1239.0	1223.2	1207.4	1223.2
40°	1173.8	1191.2	1208.6	1227.1	1246.0	1230.0	1179.2	1136.6	1118.5	1100.3	1118.5
42.5°	1116.3	1144.2	1172.0	1176.2	1172.4	1138.2	1073.4	1019.3	997.1	974.9	997.1
45°	1025.2	1062.9	1100.7	1079.1	1037.7	981.9	911.5	852.5	827.9	803.2	827.9
47.5°	917.8	956.5	995.3	954.6	887.4	822.4	759.6	706.7	683.6	660.5	683.6
50°	847.3	878.5	909.7	863.6	791.8	726.5	667.7	617.3	591.9	566.5	591.9
52.5°	775.4	797.9	820.4	774.8	706.4	642.9	584.1	534.3	511.2	488.1	511.2
55°	664.4	676.0	687.7	645.4	585.2	527.1	471.3	425.4	409.4	393.4	409.4
57.5°	562.6	570.0	577.4	537.3	481.4	429.8	382.3	343.8	332.1	320.3	332.1
60°	501.2	506.3	511.3	470.7	414.8	368.4	331.4	301.3	291.9	282.4	291.9
62.5°	445.0	448.9	452.9	413.7	360.1	318.6	289.2	265.3	258.2	251.1	258.2
65°	365.7	369.3	372.9	339.6	293.9	259.8	237.3	219.1	214.0	209.0	214.0
67.5°	302.7	304.6	306.4	278.9	241.6	214.1	196.4	182.0	177.2	172.4	177.2
70°	266.1	266.8	267.6	243.2	210.6	186.3	170.3	157.4	153.8	150.2	153.8
72.5°	233.4	232.4	231.4	209.7	181.1	160.3	147.3	136.8	134.4	131.9	134.4
75°	184.5	182.3	180.1	162.2	138.9	123.0	114.3	107.4	105.9	104.5	105.9
77.5°	137.8	135.5	133.1	118.2	99.0	88.0	85.1	82.9	82.9	82.9	82.9
80°	107.7	104.8	101.9	90.3	75.8	68.6	68.6	68.6	68.6	68.6	68.6
82.5°	80.3	76.3	72.2	65.1	57.0	52.9	52.9	52.7	52.2	51.6	52.2
85°	39.2	35.6	31.9	31.0	31.0	28.8	24.5	20.7	18.5	16.3	18.5
87.5°	11.4	12.6	14.1	13.1	11.1	10.0	10.0	10.3	10.6	10.6	10.6
90°	4.5	10.6	18.2	24.2	28.8	30.3	30.3	31.8	33.3	33.3	33.3
92.5°	16.7	26.3	26.6	26.6	32.4	35.1	37.5	37.8	39.4	39.4	39.4
95°	46.9	51.5	77.2	75.7	51.5	40.9	34.8	34.8	34.8	34.8	34.8
97.5°	89.6	96.3	100.5	134.7	142.3	137.4	112.0	94.1	84.2	79.6	84.2
100°	127.1	130.2	139.3	140.8	178.6	214.9	196.8	174.1	166.5	162.0	166.5
102.5°	164.7	166.5	180.4	186.8	195.6	216.1	279.1	272.2	267.0	266.1	267.0
105°	221.0	222.5	248.2	260.3	266.4	266.4	264.9	295.2	343.6	354.2	343.6
107.5°	281.2	288.2	318.5	350.9	357.8	359.6	351.8	347.2	345.4	346.6	345.4
110°	322.4	333.0	369.3	410.2	420.8	423.8	420.8	416.3	413.2	413.2	413.2



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	362.4	377.8	419.0	465.9	483.8	492.8	486.2	482.9	479.8	482.2	479.8
115°	423.8	446.5	501.0	549.5	585.8	590.3	588.8	588.8	587.3	587.3	587.3
117.5°	480.7	517.1	578.2	634.5	676.6	688.7	694.8	692.9	691.1	694.2	691.1
120°	520.7	563.1	632.7	696.3	737.1	755.3	761.4	758.3	761.4	758.3	761.4
122.5°	563.1	615.1	683.6	749.6	797.7	818.3	825.5	826.2	826.8	824.9	826.8
125°	626.7	690.2	770.4	838.6	888.5	912.7	918.8	920.3	923.3	930.9	923.3
127.5°	690.8	762.9	851.0	916.7	967.8	997.2	1006.6	1009.9	1016.3	1019.6	1016.3
130°	735.6	817.4	906.7	968.7	1018.7	1050.5	1067.1	1071.7	1079.2	1077.7	1079.2
132.5°	782.9	868.2	958.7	1023.2	1069.5	1103.8	1118.0	1131.0	1133.7	1135.8	1133.7
135°	852.2	944.5	1035.3	1098.9	1142.8	1176.1	1194.3	1206.4	1213.9	1218.5	1213.9
137.5°	925.1	1022.6	1109.8	1166.4	1210.6	1239.4	1260.0	1272.7	1280.5	1284.2	1280.5
140°	974.8	1068.6	1153.4	1212.4	1251.8	1280.5	1298.7	1313.8	1322.9	1322.9	1322.9
142.5°	1022.0	1114.7	1197.0	1256.0	1290.5	1316.9	1336.3	1347.8	1358.0	1358.0	1358.0
145°	1088.3	1180.6	1256.3	1315.4	1344.1	1368.3	1389.5	1398.6	1404.7	1404.7	1404.7
147.5°	1157.6	1239.4	1308.4	1365.0	1389.2	1417.7	1434.3	1441.6	1449.2	1445.8	1449.2
150°	1198.8	1274.5	1341.1	1394.1	1418.3	1445.5	1462.2	1468.2	1475.8	1471.3	1475.8
152.5°	1238.8	1310.8	1371.4	1420.7	1441.3	1468.5	1487.6	1493.7	1498.8	1495.5	1498.8
155°	1292.7	1356.2	1412.2	1457.6	1475.8	1501.5	1519.7	1527.3	1533.3	1525.8	1533.3
157.5°	1340.8	1395.6	1444.3	1486.1	1505.5	1527.6	1544.5	1553.9	1560.0	1556.6	1560.0
160°	1369.9	1419.8	1463.7	1503.1	1521.2	1540.9	1559.1	1569.7	1575.7	1571.2	1575.7
162.5°	1394.1	1439.2	1480.7	1516.4	1532.1	1549.4	1571.2	1580.6	1586.6	1580.9	1586.6
165°	1428.9	1465.2	1501.5	1531.8	1545.4	1559.1	1581.8	1592.4	1596.9	1590.8	1596.9
167.5°	1455.2	1483.1	1512.4	1538.5	1548.5	1561.8	1584.5	1593.3	1599.0	1591.5	1599.0
170°	1469.8	1494.0	1519.7	1540.9	1548.5	1560.6	1583.3	1590.8	1595.4	1587.8	1595.4
172.5°	1481.9	1500.0	1520.9	1539.7	1543.6	1553.3	1574.8	1582.4	1585.7	1579.3	1585.7
175°	1494.0	1504.6	1519.7	1531.8	1530.3	1536.4	1554.5	1560.6	1566.6	1557.5	1566.6
177.5°	1499.7	1504.6	1509.4	1516.7	1511.8	1511.8	1525.2	1528.8	1530.0	1525.2	1530.0
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5
2.5°	1598.0	1597.1	1596.6	1600.3	1608.5	1612.4	1603.7	1595.0	1603.7	1612.4	1608.5
5°	1608.2	1605.3	1603.9	1607.1	1615.1	1618.0	1605.7	1593.3	1605.7	1618.0	1615.1
7.5°	1635.2	1629.7	1625.5	1625.4	1629.5	1628.1	1610.6	1593.0	1610.6	1628.1	1629.5
10°	1636.7	1633.6	1632.9	1634.0	1636.9	1633.8	1612.7	1591.7	1612.7	1633.8	1636.9
12.5°	1612.0	1611.4	1612.4	1618.7	1630.3	1632.9	1608.4	1583.9	1608.4	1632.9	1630.3
15°	1574.7	1572.1	1569.9	1581.5	1606.9	1618.7	1589.7	1560.7	1589.7	1618.7	1606.9
17.5°	1553.0	1545.3	1537.5	1545.7	1569.9	1580.5	1550.2	1519.9	1550.2	1580.5	1569.9
20°	1542.5	1531.8	1521.7	1526.4	1546.0	1553.2	1523.5	1493.8	1523.5	1553.2	1546.0
22.5°	1537.2	1522.3	1508.0	1509.0	1525.1	1529.7	1500.0	1470.2	1500.0	1529.7	1525.1
25°	1536.0	1513.3	1489.4	1481.4	1489.4	1488.9	1462.7	1436.6	1462.7	1488.9	1489.4
27.5°	1531.0	1503.4	1471.1	1450.7	1442.3	1432.1	1416.7	1401.4	1416.7	1432.1	1442.3
30°	1508.1	1485.6	1457.3	1432.3	1410.5	1391.6	1381.5	1371.3	1381.5	1391.6	1410.5
32.5°	1459.5	1449.9	1434.9	1410.8	1377.4	1350.9	1344.8	1338.7	1344.8	1350.9	1377.4
35°	1364.6	1376.8	1388.4	1372.4	1328.9	1294.9	1289.9	1284.8	1289.9	1294.9	1328.9
37.5°	1239.0	1268.5	1302.4	1302.7	1269.3	1241.7	1231.2	1220.8	1231.2	1241.7	1269.3
40°	1136.6	1179.2	1230.0	1246.0	1227.1	1208.6	1191.2	1173.8	1191.2	1208.6	1227.1
42.5°	1019.3	1073.4	1138.2	1172.4	1176.2	1172.0	1144.2	1116.3	1144.2	1172.0	1176.2
45°	852.5	911.5	981.9	1037.7	1079.1	1100.7	1062.9	1025.2	1062.9	1100.7	1079.1
47.5°	706.7	759.6	822.4	887.4	954.6	995.3	956.5	917.8	956.5	995.3	954.6
50°	617.3	667.7	726.5	791.8	863.6	909.7	878.5	847.3	878.5	909.7	863.6
52.5°	534.3	584.1	642.9	706.4	774.8	820.4	797.9	775.4	797.9	820.4	774.8
55°	425.4	471.3	527.1	585.2	645.4	687.7	676.0	664.4	676.0	687.7	645.4
57.5°	343.8	382.3	429.8	481.4	537.3	577.4	570.0	562.6	570.0	577.4	537.3
60°	301.3	331.4	368.4	414.8	470.7	511.3	506.3	501.2	506.3	511.3	470.7
62.5°	265.3	289.2	318.6	360.1	413.7	452.9	448.9	445.0	448.9	452.9	413.7
65°	219.1	237.3	259.8	293.9	339.6	372.9	369.3	365.7	369.3	372.9	339.6
67.5°	182.0	196.4	214.1	241.6	278.9	306.4	304.6	302.7	304.6	306.4	278.9
70°	157.4	170.3	186.3	210.6	243.2	267.6	266.8	266.1	266.8	267.6	243.2
72.5°	136.8	147.3	160.3	181.1	209.7	231.4	232.4	233.4	232.4	231.4	209.7
75°	107.4	114.3	123.0	138.9	162.2	180.1	182.3	184.5	182.3	180.1	162.2
77.5°	82.9	85.1	88.0	99.0	118.2	133.1	135.5	137.8	135.5	133.1	118.2
80°	68.6	68.6	68.6	75.8	90.3	101.9	104.8	107.7	104.8	101.9	90.3
82.5°	52.7	52.9	52.9	57.0	65.1	72.2	76.3	80.3	76.3	72.2	65.1
85°	20.7	24.5	28.8	31.0	31.0	31.9	35.6	39.2	35.6	31.9	31.0
87.5°	10.3	10.0	10.0	11.1	13.1	14.1	12.6	11.4	12.6	13.8	13.7
90°	31.8	30.3	30.3	28.8	24.2	18.2	10.6	4.5	10.6	16.7	27.2
92.5°	37.8	37.5	35.1	32.4	26.6	26.6	26.3	16.7	28.8	40.9	58.7
95°	34.8	34.8	40.9	51.5	75.7	77.2	51.5	46.9	66.6	93.8	118.1
97.5°	94.1	112.0	137.4	142.3	134.7	100.5	96.3	89.6	122.0	148.9	188.0
100°	174.1	196.8	214.9	178.6	140.8	139.3	130.2	127.1	162.0	187.7	225.5
102.5°	272.2	279.1	216.1	195.6	186.8	180.4	166.5	164.7	199.5	234.9	266.7
105°	295.2	264.9	266.4	266.4	260.3	248.2	222.5	221.0	260.3	301.2	340.6
107.5°	347.2	351.8	359.6	357.8	350.9	318.5	288.2	281.2	316.7	365.7	409.0
110°	416.3	420.8	423.8	420.8	410.2	369.3	333.0	322.4	354.2	405.7	452.6



TEST NUMBER: P1428258

CATALOG NUMBER: SQ2W-PR1-K-100U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	482.9	486.2	492.8	483.8	465.9	419.0	377.8	362.4	394.2	446.8	495.0
115°	588.8	588.8	590.3	585.8	549.5	501.0	446.5	423.8	451.1	499.5	552.5
117.5°	692.9	694.8	688.7	676.6	634.5	578.2	517.1	480.7	502.2	553.4	607.9
120°	758.3	761.4	755.3	737.1	696.3	632.7	563.1	520.7	537.3	587.3	641.8
122.5°	826.2	825.5	818.3	797.7	749.6	683.6	615.1	563.1	570.0	616.4	669.6
125°	920.3	918.8	912.7	888.5	838.6	770.4	690.2	626.7	617.6	656.9	711.4
127.5°	1009.9	1006.6	997.2	967.8	916.7	851.0	762.9	690.8	670.5	695.4	745.3
130°	1071.7	1067.1	1050.5	1018.7	968.7	906.7	817.4	735.6	706.9	722.0	765.9
132.5°	1131.0	1118.0	1103.8	1069.5	1023.2	958.7	868.2	782.9	743.2	749.9	784.1
135°	1206.4	1194.3	1176.1	1142.8	1098.9	1035.3	944.5	852.2	797.7	791.6	811.3
137.5°	1272.7	1260.0	1239.4	1210.6	1166.4	1109.8	1022.6	925.1	856.4	836.1	843.7
140°	1313.8	1298.7	1280.5	1251.8	1212.4	1153.4	1068.6	974.8	897.6	868.8	864.3
142.5°	1347.8	1336.3	1316.9	1290.5	1256.0	1197.0	1114.7	1022.0	940.0	902.7	892.1
145°	1398.6	1389.5	1368.3	1344.1	1315.4	1256.3	1180.6	1088.3	1006.6	958.1	935.4
147.5°	1441.6	1434.3	1417.7	1389.2	1365.0	1308.4	1239.4	1157.6	1073.8	1013.8	984.5
150°	1468.2	1462.2	1445.5	1418.3	1394.1	1341.1	1274.5	1198.8	1118.6	1055.0	1017.2
152.5°	1493.7	1487.6	1468.5	1441.3	1420.7	1371.4	1310.8	1238.8	1157.3	1093.8	1054.7
155°	1527.3	1519.7	1501.5	1475.8	1457.6	1412.2	1356.2	1292.7	1223.0	1156.4	1112.5
157.5°	1553.9	1544.5	1527.6	1505.5	1486.1	1444.3	1395.6	1340.8	1279.9	1216.4	1171.6
160°	1569.7	1559.1	1540.9	1521.2	1503.1	1463.7	1419.8	1369.9	1313.8	1256.3	1207.9
162.5°	1580.6	1571.2	1549.4	1532.1	1516.4	1480.7	1439.2	1394.1	1344.1	1293.9	1249.1
165°	1592.4	1581.8	1559.1	1545.4	1531.8	1501.5	1465.2	1428.9	1386.5	1345.6	1309.3
167.5°	1593.3	1584.5	1561.8	1548.5	1538.5	1512.4	1483.1	1455.2	1422.2	1390.1	1359.9
170°	1590.8	1583.3	1560.6	1548.5	1540.9	1519.7	1494.0	1469.8	1444.0	1416.8	1392.6
172.5°	1582.4	1574.8	1553.3	1543.6	1539.7	1520.9	1500.0	1481.9	1459.8	1439.8	1420.4
175°	1560.6	1554.5	1536.4	1530.3	1531.8	1519.7	1504.6	1494.0	1480.4	1468.2	1457.6
177.5°	1528.8	1525.2	1511.8	1511.8	1516.7	1509.4	1504.6	1499.7	1493.7	1490.0	1486.4
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1428258

CATALOG NUMBER: SQ2W-PR1-K-100U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5	1601.5
2.5°	1600.3	1596.6	1597.1	1598.0	1599.8	1601.5	1599.8	1598.0	1597.1	1596.6	1600.3
5°	1607.1	1603.9	1605.3	1608.2	1615.5	1622.7	1615.5	1608.2	1605.3	1603.9	1607.1
7.5°	1625.4	1625.5	1629.7	1635.2	1644.8	1654.4	1644.8	1635.2	1629.7	1625.5	1625.4
10°	1634.0	1632.9	1633.6	1636.7	1646.8	1657.0	1646.8	1636.7	1633.6	1632.9	1634.0
12.5°	1618.7	1612.4	1611.4	1612.0	1617.5	1623.0	1617.5	1612.0	1611.4	1612.4	1618.7
15°	1581.5	1569.9	1572.1	1574.7	1578.3	1581.9	1578.3	1574.7	1572.1	1569.9	1581.5
17.5°	1545.7	1537.5	1545.3	1553.0	1560.1	1567.2	1560.1	1553.0	1545.3	1537.5	1545.7
20°	1526.4	1521.7	1531.8	1542.5	1554.9	1567.2	1554.9	1542.5	1531.8	1521.7	1526.4
22.5°	1509.0	1508.0	1522.3	1537.2	1554.2	1571.1	1554.2	1537.2	1522.3	1508.0	1509.0
25°	1481.4	1489.4	1513.3	1536.0	1554.9	1573.7	1554.9	1536.0	1513.3	1489.4	1481.4
27.5°	1450.7	1471.1	1503.4	1531.0	1544.2	1557.4	1544.2	1531.0	1503.4	1471.1	1450.7
30°	1432.3	1457.3	1485.6	1508.1	1513.2	1518.2	1513.2	1508.1	1485.6	1457.3	1432.3
32.5°	1410.8	1434.9	1449.9	1459.5	1452.9	1446.4	1452.9	1459.5	1449.9	1434.9	1410.8
35°	1372.4	1388.4	1376.8	1364.6	1350.8	1337.0	1350.8	1364.6	1376.8	1388.4	1372.4
37.5°	1302.7	1302.4	1268.5	1239.0	1223.2	1207.4	1223.2	1239.0	1268.5	1302.4	1302.7
40°	1246.0	1230.0	1179.2	1136.6	1118.5	1100.3	1118.5	1136.6	1179.2	1230.0	1246.0
42.5°	1172.4	1138.2	1073.4	1019.3	997.1	974.9	997.1	1019.3	1073.4	1138.2	1172.4
45°	1037.7	981.9	911.5	852.5	827.9	803.2	827.9	852.5	911.5	981.9	1037.7
47.5°	887.4	822.4	759.6	706.7	683.6	660.5	683.6	706.7	759.6	822.4	887.4
50°	791.8	726.5	667.7	617.3	591.9	566.5	591.9	617.3	667.7	726.5	791.8
52.5°	706.4	642.9	584.1	534.3	511.2	488.1	511.2	534.3	584.1	642.9	706.4
55°	585.2	527.1	471.3	425.4	409.4	393.4	409.4	425.4	471.3	527.1	585.2
57.5°	481.4	429.8	382.3	343.8	332.1	320.3	332.1	343.8	382.3	429.8	481.4
60°	414.8	368.4	331.4	301.3	291.9	282.4	291.9	301.3	331.4	368.4	414.8
62.5°	360.1	318.6	289.2	265.3	258.2	251.1	258.2	265.3	289.2	318.6	360.1
65°	293.9	259.8	237.3	219.1	214.0	209.0	214.0	219.1	237.3	259.8	293.9
67.5°	241.6	214.1	196.4	182.0	177.2	172.4	177.2	182.0	196.4	214.1	241.6
70°	210.6	186.3	170.3	157.4	153.8	150.2	153.8	157.4	170.3	186.3	210.6
72.5°	181.1	160.3	147.3	136.8	134.4	131.9	134.4	136.8	147.3	160.3	181.1
75°	138.9	123.0	114.3	107.4	105.9	104.5	105.9	107.4	114.3	123.0	138.9
77.5°	99.0	88.0	85.1	82.9	82.9	82.9	82.9	82.9	85.1	88.0	99.0
80°	75.8	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	75.8
82.5°	57.0	52.9	52.9	52.7	52.2	51.6	52.2	52.7	52.9	52.9	57.0
85°	31.0	28.8	24.5	20.7	18.5	16.3	18.5	20.7	24.5	28.8	31.0
87.5°	12.3	13.0	15.1	16.3	17.5	16.9	17.5	16.3	15.1	13.0	12.3
90°	34.8	45.4	56.0	62.1	68.1	65.1	68.1	62.1	56.0	45.4	34.8
92.5°	69.9	87.8	100.8	111.7	116.6	115.9	116.6	111.7	100.8	87.8	69.9
95°	140.8	162.0	183.2	198.3	207.4	204.3	207.4	198.3	183.2	162.0	140.8
97.5°	217.1	245.5	269.1	283.4	292.4	298.5	292.4	283.4	269.1	245.5	217.1
100°	267.9	295.2	322.4	339.1	354.2	360.2	354.2	339.1	322.4	295.2	267.9
102.5°	309.1	344.8	374.5	392.3	405.1	411.1	405.1	392.3	374.5	344.8	309.1
105°	376.9	414.7	446.5	469.2	482.9	487.4	482.9	469.2	446.5	414.7	376.9
107.5°	444.7	483.8	513.1	538.3	554.9	564.6	554.9	538.3	513.1	483.8	444.7
110°	498.0	529.8	561.6	584.3	600.9	607.0	600.9	584.3	561.6	529.8	498.0



TEST NUMBER: P1428258

CATALOG NUMBER: SQ2W-PR1-K-100U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	542.8	578.2	610.0	632.7	651.8	660.3	651.8	632.7	610.0	578.2	542.8
115°	605.5	652.4	681.1	702.3	716.0	723.5	716.0	702.3	681.1	652.4	605.5
117.5°	657.5	706.6	738.1	754.4	760.8	766.2	760.8	754.4	738.1	706.6	657.5
120°	690.2	735.6	772.0	793.2	800.7	803.7	800.7	793.2	772.0	735.6	690.2
122.5°	720.5	763.5	798.6	824.6	837.0	840.1	837.0	824.6	798.6	763.5	720.5
125°	762.9	803.7	840.1	865.8	879.4	887.0	879.4	865.8	840.1	803.7	762.9
127.5°	799.8	844.0	877.3	900.6	913.9	920.0	913.9	900.6	877.3	844.0	799.8
130°	820.4	865.8	899.1	924.8	937.0	943.0	937.0	924.8	899.1	865.8	820.4
132.5°	836.1	884.0	918.5	941.8	955.1	961.2	955.1	941.8	918.5	884.0	836.1
135°	855.2	905.2	941.5	964.2	976.3	982.4	976.3	964.2	941.5	905.2	855.2
137.5°	871.9	917.3	955.1	979.0	989.9	993.9	989.9	979.0	955.1	917.3	871.9
140°	884.0	923.3	961.2	983.9	996.0	997.5	996.0	983.9	961.2	923.3	884.0
142.5°	899.7	930.6	963.6	986.3	998.4	1001.1	998.4	986.3	963.6	930.6	899.7
145°	927.9	946.0	968.7	989.9	1000.5	1003.6	1000.5	989.9	968.7	946.0	927.9
147.5°	963.3	969.0	980.8	994.8	1005.1	1007.2	1005.1	994.8	980.8	969.0	963.3
150°	989.9	988.4	993.0	1002.0	1011.1	1009.6	1011.1	1002.0	993.0	988.4	989.9
152.5°	1020.2	1011.4	1011.1	1015.4	1019.6	1019.3	1019.6	1015.4	1011.1	1011.4	1020.2
155°	1071.7	1055.0	1045.9	1042.9	1042.9	1041.4	1042.9	1042.9	1045.9	1055.0	1071.7
157.5°	1128.3	1105.0	1091.3	1084.1	1082.0	1078.6	1082.0	1084.1	1091.3	1105.0	1128.3
160°	1167.0	1141.3	1127.7	1115.6	1111.0	1106.5	1111.0	1115.6	1127.7	1141.3	1167.0
162.5°	1203.4	1178.8	1164.0	1153.1	1148.6	1141.6	1148.6	1153.1	1164.0	1178.8	1203.4
165°	1262.4	1236.7	1220.0	1210.9	1204.9	1198.8	1204.9	1210.9	1220.0	1236.7	1262.4
167.5°	1321.4	1293.3	1282.4	1272.1	1266.3	1255.4	1266.3	1272.1	1282.4	1293.3	1321.4
170°	1357.7	1332.0	1326.0	1316.9	1306.3	1294.2	1306.3	1316.9	1326.0	1332.0	1357.7
172.5°	1389.2	1372.0	1365.9	1356.8	1353.5	1343.8	1353.5	1356.8	1365.9	1372.0	1389.2
175°	1434.9	1421.3	1421.3	1419.8	1415.3	1406.2	1415.3	1419.8	1421.3	1421.3	1434.9
177.5°	1473.1	1465.8	1470.7	1470.7	1469.5	1461.0	1469.5	1470.7	1470.7	1465.8	1473.1
180°	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5	1498.5



TEST NUMBER: P1428258

CATALOG NUMBER: SQ2W-PR1-K-100U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1601.5	1601.5	1601.5	1601.5
2.5°	1608.5	1612.4	1603.7	1595.0
5°	1615.1	1618.0	1605.7	1593.3
7.5°	1629.5	1628.1	1610.6	1593.0
10°	1636.9	1633.8	1612.7	1591.7
12.5°	1630.3	1632.9	1608.4	1583.9
15°	1606.9	1618.7	1589.7	1560.7
17.5°	1569.9	1580.5	1550.2	1519.9
20°	1546.0	1553.2	1523.5	1493.8
22.5°	1525.1	1529.7	1500.0	1470.2
25°	1489.4	1488.9	1462.7	1436.6
27.5°	1442.3	1432.1	1416.7	1401.4
30°	1410.5	1391.6	1381.5	1371.3
32.5°	1377.4	1350.9	1344.8	1338.7
35°	1328.9	1294.9	1289.9	1284.8
37.5°	1269.3	1241.7	1231.2	1220.8
40°	1227.1	1208.6	1191.2	1173.8
42.5°	1176.2	1172.0	1144.2	1116.3
45°	1079.1	1100.7	1062.9	1025.2
47.5°	954.6	995.3	956.5	917.8
50°	863.6	909.7	878.5	847.3
52.5°	774.8	820.4	797.9	775.4
55°	645.4	687.7	676.0	664.4
57.5°	537.3	577.4	570.0	562.6
60°	470.7	511.3	506.3	501.2
62.5°	413.7	452.9	448.9	445.0
65°	339.6	372.9	369.3	365.7
67.5°	278.9	306.4	304.6	302.7
70°	243.2	267.6	266.8	266.1
72.5°	209.7	231.4	232.4	233.4
75°	162.2	180.1	182.3	184.5
77.5°	118.2	133.1	135.5	137.8
80°	90.3	101.9	104.8	107.7
82.5°	65.1	72.2	76.3	80.3
85°	31.0	31.9	35.6	39.2
87.5°	13.7	13.8	12.6	11.4
90°	27.2	16.7	10.6	4.5
92.5°	58.7	40.9	28.8	16.7
95°	118.1	93.8	66.6	46.9
97.5°	188.0	148.9	122.0	89.6
100°	225.5	187.7	162.0	127.1
102.5°	266.7	234.9	199.5	164.7
105°	340.6	301.2	260.3	221.0
107.5°	409.0	365.7	316.7	281.2
110°	452.6	405.7	354.2	322.4



TEST NUMBER: P1428258

CATALOG NUMBER: SQ2W-PR1-K-100U-075D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	495.0	446.8	394.2	362.4
115°	552.5	499.5	451.1	423.8
117.5°	607.9	553.4	502.2	480.7
120°	641.8	587.3	537.3	520.7
122.5°	669.6	616.4	570.0	563.1
125°	711.4	656.9	617.6	626.7
127.5°	745.3	695.4	670.5	690.8
130°	765.9	722.0	706.9	735.6
132.5°	784.1	749.9	743.2	782.9
135°	811.3	791.6	797.7	852.2
137.5°	843.7	836.1	856.4	925.1
140°	864.3	868.8	897.6	974.8
142.5°	892.1	902.7	940.0	1022.0
145°	935.4	958.1	1006.6	1088.3
147.5°	984.5	1013.8	1073.8	1157.6
150°	1017.2	1055.0	1118.6	1198.8
152.5°	1054.7	1093.8	1157.3	1238.8
155°	1112.5	1156.4	1223.0	1292.7
157.5°	1171.6	1216.4	1279.9	1340.8
160°	1207.9	1256.3	1313.8	1369.9
162.5°	1249.1	1293.9	1344.1	1394.1
165°	1309.3	1345.6	1386.5	1428.9
167.5°	1359.9	1390.1	1422.2	1455.2
170°	1392.6	1416.8	1444.0	1469.8
172.5°	1420.4	1439.8	1459.8	1481.9
175°	1457.6	1468.2	1480.4	1494.0
177.5°	1486.4	1490.0	1493.7	1499.7
180°	1498.5	1498.5	1498.5	1498.5



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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	17.67	18.47	18.66	19.46	20.78	14.04	14.84	15.03	15.83	17.15
	3H	18.87	19.58	19.87	20.59	21.93	15.20	15.91	16.20	16.91	18.25
	4H	19.35	20.03	20.37	21.04	22.39	15.66	16.33	16.67	17.34	18.69
	6H	19.65	20.27	20.67	21.28	22.64	15.99	16.61	17.02	17.63	18.99
	8H	19.75	20.34	20.78	21.37	22.72	16.13	16.72	17.16	17.75	19.11
	12H	19.79	20.35	20.82	21.37	22.75	16.16	16.72	17.20	17.74	19.12
4H	2H	17.77	18.44	18.79	19.45	20.80	14.74	15.41	15.76	16.43	17.77
	3H	19.22	19.78	20.25	20.82	22.18	16.09	16.65	17.12	17.69	19.05
	4H	19.85	20.36	20.88	21.39	22.77	16.63	17.14	17.67	18.18	19.56
	6H	20.27	20.71	21.32	21.77	23.15	17.06	17.50	18.11	18.56	19.94
	8H	20.43	20.84	21.48	21.89	23.28	17.25	17.66	18.29	18.70	20.10
	12H	20.49	20.86	21.56	21.93	23.32	17.29	17.66	18.36	18.72	20.12
8H	4H	19.87	20.28	20.91	21.32	22.72	16.96	17.37	18.01	18.41	19.81
	6H	20.40	20.73	21.47	21.82	23.21	17.50	17.83	18.57	18.92	20.31
	8H	20.63	20.93	21.71	22.00	23.41	17.76	18.05	18.84	19.13	20.54
	12H	20.75	21.01	21.83	22.08	23.53	17.85	18.11	18.93	19.18	20.63
12H	4H	19.82	20.19	20.89	21.25	22.65	16.97	17.34	18.04	18.40	19.80
	6H	20.39	20.68	21.46	21.76	23.17	17.57	17.86	18.65	18.94	20.35
	8H	20.63	20.90	21.72	21.96	23.42	17.85	18.12	18.94	19.18	20.64