

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: P1428084

Luminaire Tested: SQ2W-PP3-K-100U-050D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428084
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PP3-K-100U-050D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE PRISM LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

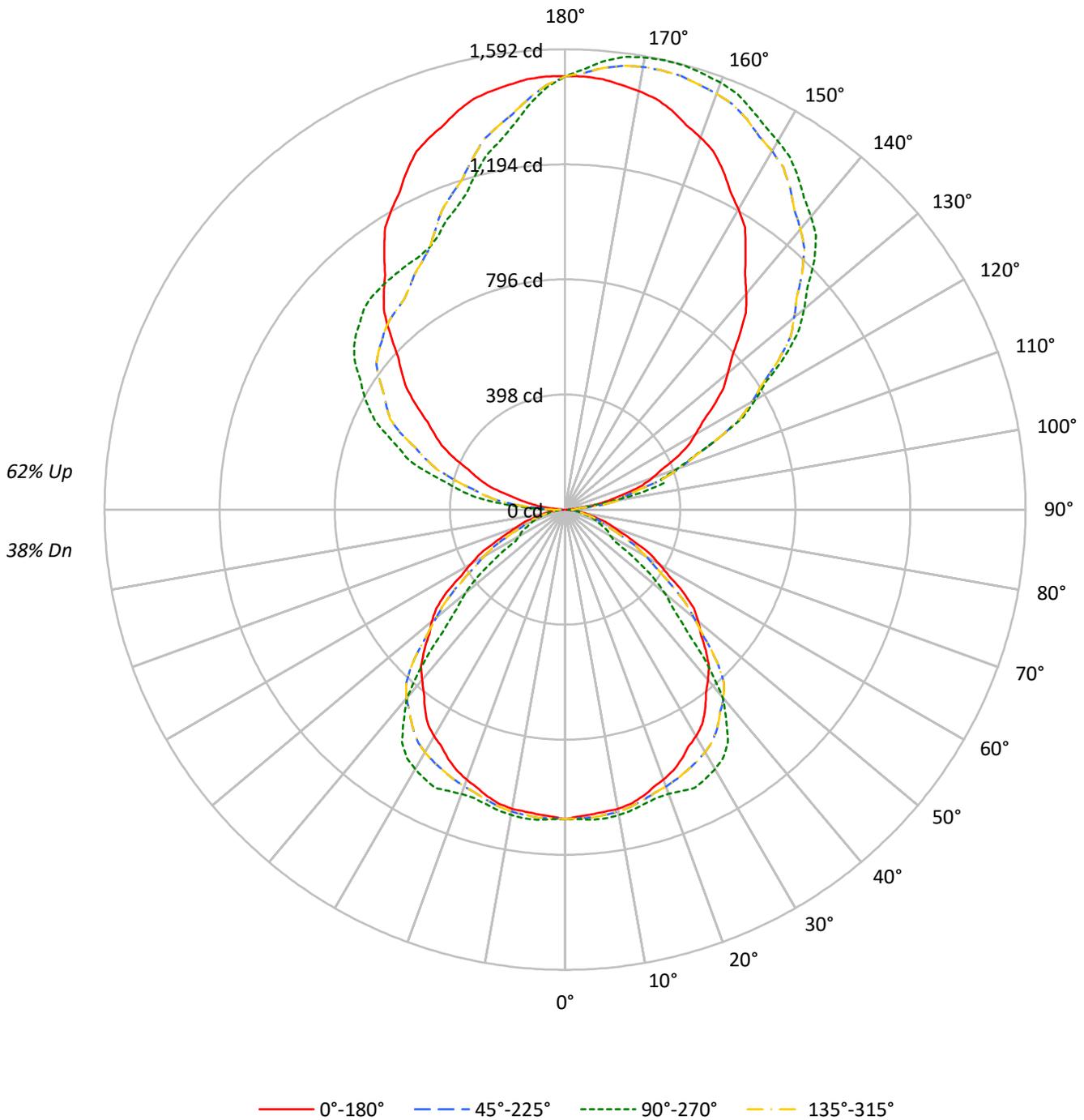
Lumens per Lamp: N/A
Luminaire Lumens: 7077.7 lumens
Efficiency: N/A
Efficacy: 139.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 50.9
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	95	95	95	95	77	77	77	60	60	60	45	45	45	38
1	96	91	88	84	87	83	80	77	68	66	64	54	52	51	41	40	39	33
2	87	80	74	70	79	73	68	64	60	56	53	48	45	43	36	35	33	28
3	80	71	64	58	72	65	59	54	53	49	45	42	39	37	32	30	29	24
4	73	63	55	49	66	57	51	46	47	42	39	38	34	32	29	27	25	21
5	67	56	48	42	61	51	44	39	42	37	33	34	30	28	26	24	22	18
6	62	50	42	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	29	26	28	24	21	22	19	17	15
8	53	41	34	28	48	38	31	27	31	26	23	26	22	19	20	17	15	13
9	49	37	30	25	45	34	28	24	29	24	20	23	20	17	18	16	14	12
10	46	34	27	23	42	32	25	21	26	22	18	22	18	15	17	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17285	17285	17285	17285
5°	17149	17462	17149	17462
10°	17236	17588	17236	17588
15°	17195	17629	17195	17629
20°	17072	17986	17072	17986
25°	16976	18930	16976	18930
30°	16878	19326	16878	19326
35°	16639	19361	16639	19361
40°	16195	17890	16195	17890
45°	15712	13618	15712	13618
50°	15093	11341	15093	11341
55°	14049	8155	14049	8155
60°	12096	5848	12096	5848
65°	10204	5750	10204	5750
70°	8492	5504	8492	5504
75°	7199	5153	7199	5153
80°	6099	4630	6099	4630
85°	4816	2519	4816	2519

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 17187 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.9	1.4
10°-20°	295.0	4.2
20°-30°	462.2	6.5
30°-40°	570.2	8.1
40°-50°	536.8	7.6
50°-60°	380.1	5.4
60°-70°	216.6	3.1
70°-80°	107.2	1.5
80°-90°	32.4	0.5
90°-100°	119.3	1.7
100°-110°	347.8	4.9
110°-120°	567.6	8.0
120°-130°	720.2	10.2
130°-140°	770.6	10.9
140°-150°	719.6	10.2
150°-160°	592.1	8.4
160°-170°	397.1	5.6
170°-180°	141.0	2.0
0°-30°	859.2	12.1
0°-40°	1429.3	20.2
0°-60°	2346.2	33.1
0°-90°	2702.4	38.2
90°-120°	1034.6	14.6
90°-150°	3245.1	45.8
90°-180°	4375.0	61.8
0°-180°	7077.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1071	1071	1071	1071	1071	
5°	1058	1077	1058	1077	1058	101
15°	1029	1055	1029	1055	1029	290
25°	953	1063	953	1063	953	439
35°	844	982	844	982	844	526
45°	688	596	688	596	688	530
55°	499	290	499	290	499	440
65°	267	150	267	150	267	268
75°	115	83	115	83	115	125
85°	26	14	26	14	26	31
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°	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6
2.5°	1062.4	1069.3	1076.1	1074.5	1070.1	1068.2	1069.1	1069.9	1070.7	1071.5	1070.7
5°	1058.1	1066.7	1075.2	1074.0	1069.4	1067.7	1068.7	1070.3	1073.8	1077.4	1073.8
7.5°	1054.0	1062.8	1071.5	1070.4	1066.0	1064.6	1066.3	1068.7	1073.0	1077.4	1073.0
10°	1051.3	1058.9	1066.4	1065.3	1061.3	1060.5	1063.0	1065.8	1069.3	1072.8	1069.3
12.5°	1043.2	1050.3	1057.5	1056.5	1052.9	1052.8	1056.1	1059.3	1062.5	1065.6	1062.5
15°	1028.7	1035.2	1041.8	1041.9	1039.9	1041.1	1045.7	1049.7	1052.2	1054.7	1052.2
17.5°	1009.0	1016.9	1024.9	1026.7	1026.5	1029.6	1036.1	1041.6	1044.2	1046.8	1044.2
20°	993.6	1003.2	1012.7	1015.9	1016.9	1021.4	1029.4	1036.7	1041.8	1046.8	1041.8
22.5°	977.3	988.5	999.6	1003.8	1005.6	1012.5	1024.6	1035.8	1044.5	1053.1	1044.5
25°	952.9	963.9	975.0	983.0	990.1	1002.4	1020.0	1036.5	1049.6	1062.6	1049.6
27.5°	924.4	935.3	946.3	960.1	974.9	992.2	1012.0	1029.5	1039.8	1050.2	1039.8
30°	905.3	915.9	926.5	942.3	959.9	979.0	999.6	1017.5	1027.1	1036.6	1027.1
32.5°	881.8	892.8	903.7	920.6	939.4	959.9	982.1	1001.0	1009.8	1018.5	1009.8
35°	844.2	854.8	865.4	885.0	907.6	930.5	953.6	972.2	977.3	982.3	977.3
37.5°	801.0	813.0	824.9	846.9	872.3	891.5	904.4	914.2	914.5	914.8	914.5
40°	768.4	784.0	799.6	821.6	845.7	859.1	861.6	861.8	855.3	848.8	855.3
42.5°	736.7	756.7	776.8	794.4	811.3	814.8	804.8	790.1	761.0	732.0	761.0
45°	688.1	711.7	735.3	746.1	752.7	730.6	679.8	636.6	616.5	596.4	616.5
47.5°	636.2	659.6	682.9	679.9	668.1	634.6	579.4	534.5	520.6	506.8	520.6
50°	600.9	623.0	645.2	629.2	600.5	562.8	516.0	477.7	464.6	451.5	464.6
52.5°	561.1	580.8	600.5	576.4	537.7	497.9	457.2	421.7	401.7	381.8	401.7
55°	499.1	512.6	526.2	499.8	460.1	416.3	368.5	327.9	308.8	289.7	308.8
57.5°	424.4	433.9	443.5	422.7	391.8	348.3	292.2	244.7	223.3	201.9	223.3
60°	374.6	382.1	389.7	370.8	343.1	301.7	246.3	202.2	191.6	181.1	191.6
62.5°	329.3	336.1	342.8	323.1	294.7	257.6	211.9	176.7	173.0	169.3	173.0
65°	267.1	273.6	280.2	259.5	229.9	200.9	172.8	151.5	151.0	150.5	151.0
67.5°	212.5	219.7	226.8	207.4	179.1	157.8	143.3	132.3	131.7	131.0	131.7
70°	179.9	187.5	195.0	176.9	150.3	132.9	124.9	118.6	117.6	116.6	117.6
72.5°	152.8	159.9	167.1	151.3	127.8	113.5	108.3	104.2	103.6	103.0	103.6
75°	115.4	121.0	126.5	115.1	98.0	88.1	85.6	83.6	83.1	82.6	83.1
77.5°	83.7	87.3	90.8	83.3	72.1	65.9	64.6	63.5	63.0	62.5	63.0
80°	65.6	67.1	68.7	63.4	55.8	51.8	51.3	50.8	50.3	49.8	50.3
82.5°	49.3	48.8	48.3	45.3	41.3	39.1	38.6	38.0	37.1	36.2	37.1
85°	26.0	25.0	24.0	23.0	22.0	20.5	18.5	16.6	15.1	13.6	15.1
87.5°	9.1	10.3	11.8	11.5	10.4	9.5	9.1	9.1	9.4	9.4	9.4
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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CATALOG NUMBER: SQ2W-PP3-K-100U-050D-L835-UNV-STD-W-WM-4

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°	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6
2.5°	1069.9	1069.1	1068.2	1070.1	1074.5	1076.1	1069.3	1062.4	1069.3	1076.1	1074.5
5°	1070.3	1068.7	1067.7	1069.4	1074.0	1075.2	1066.7	1058.1	1066.7	1075.2	1074.0
7.5°	1068.7	1066.3	1064.6	1066.0	1070.4	1071.5	1062.8	1054.0	1062.8	1071.5	1070.4
10°	1065.8	1063.0	1060.5	1061.3	1065.3	1066.4	1058.9	1051.3	1058.9	1066.4	1065.3
12.5°	1059.3	1056.1	1052.8	1052.9	1056.5	1057.5	1050.3	1043.2	1050.3	1057.5	1056.5
15°	1049.7	1045.7	1041.1	1039.9	1041.9	1041.8	1035.2	1028.7	1035.2	1041.8	1041.9
17.5°	1041.6	1036.1	1029.6	1026.5	1026.7	1024.9	1016.9	1009.0	1016.9	1024.9	1026.7
20°	1036.7	1029.4	1021.4	1016.9	1015.9	1012.7	1003.2	993.6	1003.2	1012.7	1015.9
22.5°	1035.8	1024.6	1012.5	1005.6	1003.8	999.6	988.5	977.3	988.5	999.6	1003.8
25°	1036.5	1020.0	1002.4	990.1	983.0	975.0	963.9	952.9	963.9	975.0	983.0
27.5°	1029.5	1012.0	992.2	974.9	960.1	946.3	935.3	924.4	935.3	946.3	960.1
30°	1017.5	999.6	979.0	959.9	942.3	926.5	915.9	905.3	915.9	926.5	942.3
32.5°	1001.0	982.1	959.9	939.4	920.6	903.7	892.8	881.8	892.8	903.7	920.6
35°	972.2	953.6	930.5	907.6	885.0	865.4	854.8	844.2	854.8	865.4	885.0
37.5°	914.2	904.4	891.5	872.3	846.9	824.9	813.0	801.0	813.0	824.9	846.9
40°	861.8	861.6	859.1	845.7	821.6	799.6	784.0	768.4	784.0	799.6	821.6
42.5°	790.1	804.8	814.8	811.3	794.4	776.8	756.7	736.7	756.7	776.8	794.4
45°	636.6	679.8	730.6	752.7	746.1	735.3	711.7	688.1	711.7	735.3	746.1
47.5°	534.5	579.4	634.6	668.1	679.9	682.9	659.6	636.2	659.6	682.9	679.9
50°	477.7	516.0	562.8	600.5	629.2	645.2	623.0	600.9	623.0	645.2	629.2
52.5°	421.7	457.2	497.9	537.7	576.4	600.5	580.8	561.1	580.8	600.5	576.4
55°	327.9	368.5	416.3	460.1	499.8	526.2	512.6	499.1	512.6	526.2	499.8
57.5°	244.7	292.2	348.3	391.8	422.7	443.5	433.9	424.4	433.9	443.5	422.7
60°	202.2	246.3	301.7	343.1	370.8	389.7	382.1	374.6	382.1	389.7	370.8
62.5°	176.7	211.9	257.6	294.7	323.1	342.8	336.1	329.3	336.1	342.8	323.1
65°	151.5	172.8	200.9	229.9	259.5	280.2	273.6	267.1	273.6	280.2	259.5
67.5°	132.3	143.3	157.8	179.1	207.4	226.8	219.7	212.5	219.7	226.8	207.4
70°	118.6	124.9	132.9	150.3	176.9	195.0	187.5	179.9	187.5	195.0	176.9
72.5°	104.2	108.3	113.5	127.8	151.3	167.1	159.9	152.8	159.9	167.1	151.3
75°	83.6	85.6	88.1	98.0	115.1	126.5	121.0	115.4	121.0	126.5	115.1
77.5°	63.5	64.6	65.9	72.1	83.3	90.8	87.3	83.7	87.3	90.8	83.3
80°	50.8	51.3	51.8	55.8	63.4	68.7	67.1	65.6	67.1	68.7	63.4
82.5°	38.0	38.6	39.1	41.3	45.3	48.3	48.8	49.3	48.8	48.3	45.3
85°	16.6	18.5	20.5	22.0	23.0	24.0	25.0	26.0	25.0	24.0	23.0
87.5°	9.1	9.1	9.5	10.4	11.5	11.8	10.3	9.1	10.3	11.5	12.1
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: P1428084

CATALOG NUMBER: SQ2W-PP3-K-100U-050D-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: P1428084

CATALOG NUMBER: SQ2W-PP3-K-100U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6
2.5°	1070.1	1068.2	1069.1	1069.9	1070.7	1071.5	1070.7	1069.9	1069.1	1068.2	1070.1
5°	1069.4	1067.7	1068.7	1070.3	1073.8	1077.4	1073.8	1070.3	1068.7	1067.7	1069.4
7.5°	1066.0	1064.6	1066.3	1068.7	1073.0	1077.4	1073.0	1068.7	1066.3	1064.6	1066.0
10°	1061.3	1060.5	1063.0	1065.8	1069.3	1072.8	1069.3	1065.8	1063.0	1060.5	1061.3
12.5°	1052.9	1052.8	1056.1	1059.3	1062.5	1065.6	1062.5	1059.3	1056.1	1052.8	1052.9
15°	1039.9	1041.1	1045.7	1049.7	1052.2	1054.7	1052.2	1049.7	1045.7	1041.1	1039.9
17.5°	1026.5	1029.6	1036.1	1041.6	1044.2	1046.8	1044.2	1041.6	1036.1	1029.6	1026.5
20°	1016.9	1021.4	1029.4	1036.7	1041.8	1046.8	1041.8	1036.7	1029.4	1021.4	1016.9
22.5°	1005.6	1012.5	1024.6	1035.8	1044.5	1053.1	1044.5	1035.8	1024.6	1012.5	1005.6
25°	990.1	1002.4	1020.0	1036.5	1049.6	1062.6	1049.6	1036.5	1020.0	1002.4	990.1
27.5°	974.9	992.2	1012.0	1029.5	1039.8	1050.2	1039.8	1029.5	1012.0	992.2	974.9
30°	959.9	979.0	999.6	1017.5	1027.1	1036.6	1027.1	1017.5	999.6	979.0	959.9
32.5°	939.4	959.9	982.1	1001.0	1009.8	1018.5	1009.8	1001.0	982.1	959.9	939.4
35°	907.6	930.5	953.6	972.2	977.3	982.3	977.3	972.2	953.6	930.5	907.6
37.5°	872.3	891.5	904.4	914.2	914.5	914.8	914.5	914.2	904.4	891.5	872.3
40°	845.7	859.1	861.6	861.8	855.3	848.8	855.3	861.6	861.6	859.1	845.7
42.5°	811.3	814.8	804.8	790.1	761.0	732.0	761.0	790.1	804.8	814.8	811.3
45°	752.7	730.6	679.8	636.6	616.5	596.4	616.5	636.6	679.8	730.6	752.7
47.5°	668.1	634.6	579.4	534.5	520.6	506.8	520.6	534.5	579.4	634.6	668.1
50°	600.5	562.8	516.0	477.7	464.6	451.5	464.6	477.7	516.0	562.8	600.5
52.5°	537.7	497.9	457.2	421.7	401.7	381.8	401.7	421.7	457.2	497.9	537.7
55°	460.1	416.3	368.5	327.9	308.8	289.7	308.8	327.9	368.5	416.3	460.1
57.5°	391.8	348.3	292.2	244.7	223.3	201.9	223.3	244.7	292.2	348.3	391.8
60°	343.1	301.7	246.3	202.2	191.6	181.1	191.6	202.2	246.3	301.7	343.1
62.5°	294.7	257.6	211.9	176.7	173.0	169.3	173.0	176.7	211.9	257.6	294.7
65°	229.9	200.9	172.8	151.5	151.0	150.5	151.0	151.5	172.8	200.9	229.9
67.5°	179.1	157.8	143.3	132.3	131.7	131.0	131.7	132.3	143.3	157.8	179.1
70°	150.3	132.9	124.9	118.6	117.6	116.6	117.6	118.6	124.9	132.9	150.3
72.5°	127.8	113.5	108.3	104.2	103.6	103.0	103.6	104.2	108.3	113.5	127.8
75°	98.0	88.1	85.6	83.6	83.1	82.6	83.1	83.6	85.6	88.1	98.0
77.5°	72.1	65.9	64.6	63.5	63.0	62.5	63.0	63.5	64.6	65.9	72.1
80°	55.8	51.8	51.3	50.8	50.3	49.8	50.3	50.8	51.3	51.8	55.8
82.5°	41.3	39.1	38.6	38.0	37.1	36.2	37.1	38.0	38.6	39.1	41.3
85°	22.0	20.5	18.5	16.6	15.1	13.6	15.1	16.6	18.5	20.5	22.0
87.5°	11.6	12.5	14.2	15.1	16.3	15.7	16.3	15.1	14.2	12.5	11.6
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: P1428084

CATALOG NUMBER: SQ2W-PP3-K-100U-050D-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: P1428084

CATALOG NUMBER: SQ2W-PP3-K-100U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1070.6	1070.6	1070.6	1070.6
2.5°	1074.5	1076.1	1069.3	1062.4
5°	1074.0	1075.2	1066.7	1058.1
7.5°	1070.4	1071.5	1062.8	1054.0
10°	1065.3	1066.4	1058.9	1051.3
12.5°	1056.5	1057.5	1050.3	1043.2
15°	1041.9	1041.8	1035.2	1028.7
17.5°	1026.7	1024.9	1016.9	1009.0
20°	1015.9	1012.7	1003.2	993.6
22.5°	1003.8	999.6	988.5	977.3
25°	983.0	975.0	963.9	952.9
27.5°	960.1	946.3	935.3	924.4
30°	942.3	926.5	915.9	905.3
32.5°	920.6	903.7	892.8	881.8
35°	885.0	865.4	854.8	844.2
37.5°	846.9	824.9	813.0	801.0
40°	821.6	799.6	784.0	768.4
42.5°	794.4	776.8	756.7	736.7
45°	746.1	735.3	711.7	688.1
47.5°	679.9	682.9	659.6	636.2
50°	629.2	645.2	623.0	600.9
52.5°	576.4	600.5	580.8	561.1
55°	499.8	526.2	512.6	499.1
57.5°	422.7	443.5	433.9	424.4
60°	370.8	389.7	382.1	374.6
62.5°	323.1	342.8	336.1	329.3
65°	259.5	280.2	273.6	267.1
67.5°	207.4	226.8	219.7	212.5
70°	176.9	195.0	187.5	179.9
72.5°	151.3	167.1	159.9	152.8
75°	115.1	126.5	121.0	115.4
77.5°	83.3	90.8	87.3	83.7
80°	63.4	68.7	67.1	65.6
82.5°	45.3	48.3	48.8	49.3
85°	23.0	24.0	25.0	26.0
87.5°	12.1	11.5	10.3	9.1
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: P1428084

CATALOG NUMBER: SQ2W-PP3-K-100U-050D-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



TEST NUMBER: P1428084
 CATALOG NUMBER: SQ2W-PP3-K-100U-050D-L835-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	16.14	16.88	17.20	17.94	19.37	11.91	12.65	12.97	13.71	15.14
	3H	17.19	17.85	18.26	18.92	20.37	13.21	13.87	14.28	14.94	16.39
	4H	17.55	18.18	18.63	19.25	20.71	13.76	14.39	14.84	15.46	16.92
	6H	17.74	18.32	18.83	19.39	20.86	14.12	14.70	15.21	15.77	17.24
	8H	17.80	18.35	18.89	19.44	20.90	14.24	14.79	15.34	15.88	17.35
	12H	17.82	18.34	18.91	19.42	20.91	14.28	14.80	15.37	15.88	17.37
4H	2H	16.24	16.87	17.33	17.94	19.40	12.80	13.43	13.89	14.50	15.96
	3H	17.52	18.05	18.62	19.14	20.61	14.22	14.74	15.31	15.83	17.30
	4H	18.03	18.51	19.13	19.59	21.08	14.83	15.31	15.93	16.40	17.89
	6H	18.34	18.75	19.44	19.86	21.34	15.27	15.68	16.38	16.79	18.28
	8H	18.44	18.83	19.55	19.93	21.43	15.44	15.82	16.54	16.92	18.42
	12H	18.48	18.83	19.61	19.94	21.45	15.48	15.83	16.61	16.94	18.45
8H	4H	18.04	18.42	19.14	19.52	21.02	15.13	15.51	16.24	16.62	18.12
	6H	18.45	18.76	19.57	19.91	21.40	15.69	16.00	16.81	17.15	18.64
	8H	18.63	18.90	19.76	20.03	21.55	15.94	16.21	17.07	17.34	18.85
	12H	18.72	18.96	19.86	20.08	21.64	16.03	16.27	17.17	17.39	18.95
12H	4H	17.99	18.34	19.12	19.45	20.96	15.14	15.48	16.26	16.60	18.10
	6H	18.44	18.72	19.57	19.84	21.36	15.75	16.03	16.89	17.15	18.67
	8H	18.63	18.87	19.77	19.99	21.55	16.02	16.27	17.16	17.39	18.94