

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: P1428090

Luminaire Tested: SQ2W-PP3-K-100U-075D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428090  
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-075D-L835-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE PRISM LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 750 LUMENS PER FOOT  
UPLIGHT 1000 LUMENS PER FOOT  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

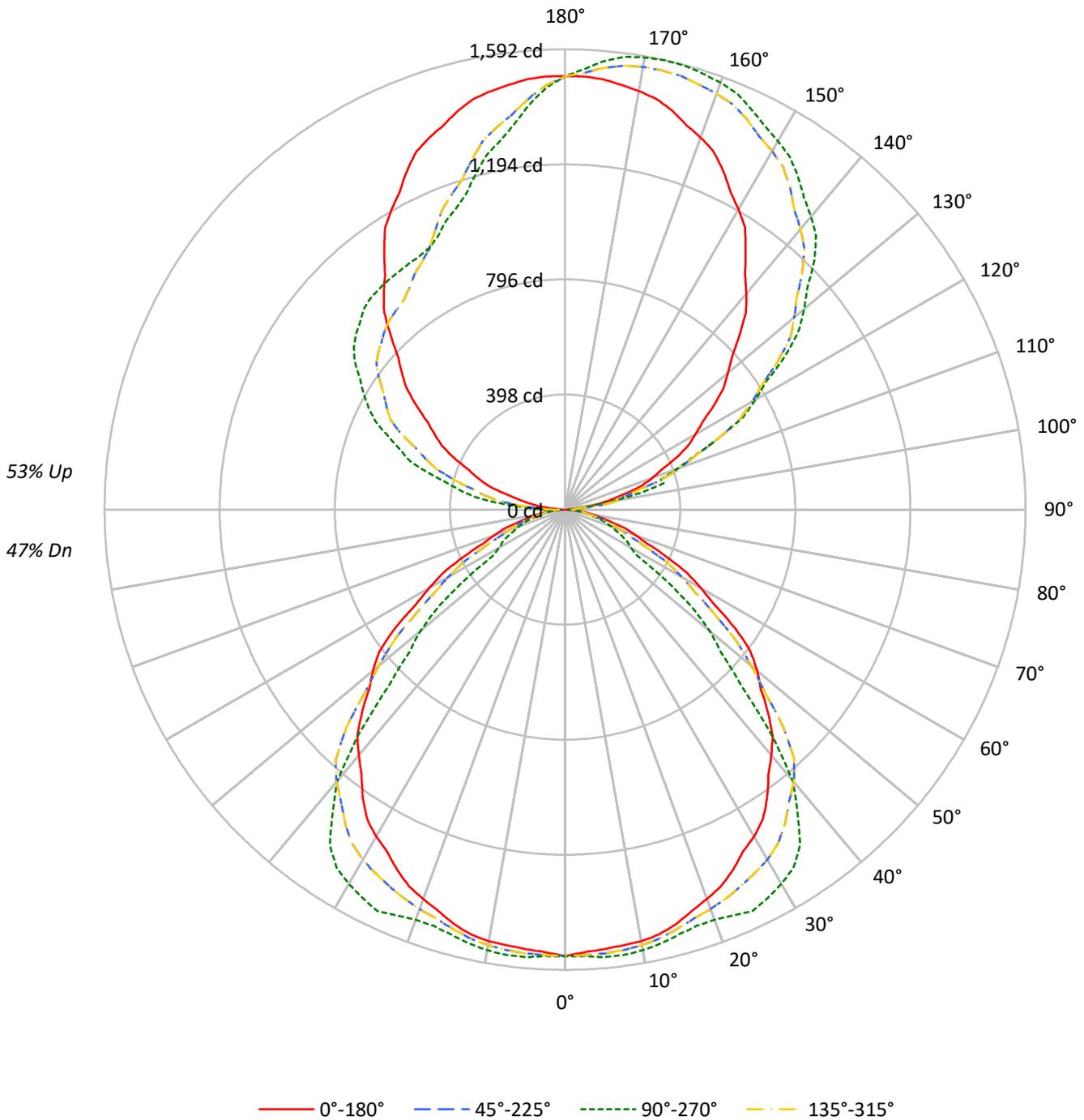
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8271.0 lumens  
Efficiency: N/A  
Efficacy: 138.3 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: 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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CATALOG NUMBER: SQ2W-PP3-K-100U-075D-L835-UNV-STD-W-WM-4

### 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	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53	47
1	98	94	90	87	90	86	83	80	72	70	68	60	58	57	48	47	46	41
2	89	82	76	71	82	76	71	67	64	60	57	53	50	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	64	57	51	69	60	53	48	51	46	42	42	39	36	34	32	30	26
5	69	58	50	44	63	53	46	41	45	40	36	38	34	31	31	28	26	23
6	63	52	44	38	58	48	41	36	41	36	32	34	30	27	28	25	23	20
7	59	47	39	33	54	43	36	32	37	32	28	31	27	24	26	23	21	18
8	54	42	35	30	50	39	33	28	34	29	25	29	25	22	24	21	18	16
9	51	39	31	26	47	36	29	25	31	26	22	26	22	19	22	19	17	14
10	47	35	28	24	44	33	27	22	29	23	20	24	20	18	20	17	15	13

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	24935	24935	24935	24935
5°	24739	25189	24739	25189
10°	24864	25372	24864	25372
15°	24805	25432	24805	25432
20°	24627	25946	24627	25946
25°	24488	27308	24488	27308
30°	24348	27879	24348	27879
35°	24005	27929	24005	27929
40°	23363	25806	23363	25806
45°	22664	19643	22664	19643
50°	21775	16362	21775	16362
55°	20264	11763	20264	11763
60°	17450	8434	17450	8434
65°	14720	8294	14720	8294
70°	12255	7935	12255	7935
75°	10387	7436	10387	7436
80°	8805	6676	8805	6676
85°	6947	3631	6947	3631

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 24792 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	147.1	1.8
10°-20°	425.6	5.1
20°-30°	666.8	8.1
30°-40°	822.5	9.9
40°-50°	774.3	9.4
50°-60°	548.3	6.6
60°-70°	312.4	3.8
70°-80°	154.7	1.9
80°-90°	44.0	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	9.3
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°	1239.4	15.0
0°-40°	2061.9	24.9
0°-60°	3384.5	40.9
0°-90°	3895.6	47.1
90°-120°	1034.6	12.5
90°-150°	3245.1	39.2
90°-180°	4375.0	52.9
0°-180°	8271.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1544	1544	1544	1544	1544	
5°	1526	1554	1526	1554	1526	145
15°	1484	1522	1484	1522	1484	418
25°	1375	1533	1375	1533	1375	633
35°	1218	1417	1218	1417	1218	760
45°	993	860	993	860	993	764
55°	720	418	720	418	720	635
65°	385	217	385	217	385	387
75°	166	119	166	119	166	180
85°	38	20	38	20	38	44
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°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4
2.5°	1532.6	1542.5	1552.3	1550.0	1543.6	1541.0	1542.2	1543.3	1544.5	1545.7	1544.5
5°	1526.4	1538.7	1551.1	1549.3	1542.7	1540.2	1541.6	1544.0	1549.1	1554.2	1549.1
7.5°	1520.5	1533.1	1545.8	1544.1	1537.8	1535.8	1538.3	1541.7	1547.9	1554.2	1547.9
10°	1516.6	1527.5	1538.4	1536.7	1530.9	1529.8	1533.5	1537.5	1542.5	1547.6	1542.5
12.5°	1504.9	1515.2	1525.5	1524.1	1518.9	1518.7	1523.5	1528.2	1532.7	1537.2	1532.7
15°	1484.0	1493.4	1502.8	1503.0	1500.1	1501.9	1508.4	1514.2	1517.9	1521.5	1517.9
17.5°	1455.6	1467.0	1478.5	1481.1	1480.8	1485.3	1494.6	1502.5	1506.3	1510.1	1506.3
20°	1433.3	1447.1	1460.9	1465.5	1466.9	1473.4	1485.0	1495.6	1502.8	1510.1	1502.8
22.5°	1409.8	1425.9	1442.1	1448.0	1450.7	1460.7	1478.1	1494.3	1506.7	1519.2	1506.7
25°	1374.6	1390.5	1406.5	1418.1	1428.3	1446.0	1471.4	1495.2	1514.1	1532.9	1514.1
27.5°	1333.4	1349.3	1365.1	1385.0	1406.4	1431.3	1459.9	1485.1	1500.0	1515.0	1500.0
30°	1306.0	1321.2	1336.5	1359.3	1384.7	1412.3	1442.1	1467.8	1481.6	1495.4	1481.6
32.5°	1272.1	1287.9	1303.7	1328.0	1355.1	1384.7	1416.8	1444.0	1456.6	1469.3	1456.6
35°	1217.9	1233.1	1248.3	1276.6	1309.3	1342.3	1375.7	1402.5	1409.8	1417.0	1409.8
37.5°	1155.5	1172.8	1190.0	1221.8	1258.3	1286.0	1304.7	1318.9	1319.3	1319.7	1319.3
40°	1108.5	1131.0	1153.5	1185.2	1220.0	1239.3	1242.9	1243.3	1233.8	1224.4	1233.8
42.5°	1062.8	1091.6	1120.5	1146.0	1170.4	1175.4	1161.0	1139.8	1097.8	1055.9	1097.8
45°	992.6	1026.7	1060.8	1076.4	1085.8	1053.9	980.6	918.4	889.4	860.3	889.4
47.5°	917.8	951.5	985.1	980.8	963.8	915.5	835.8	771.1	751.1	731.0	751.1
50°	866.9	898.8	930.7	907.7	866.3	811.9	744.4	689.1	670.2	651.4	670.2
52.5°	809.4	837.8	866.3	831.5	775.6	718.3	659.5	608.3	579.5	550.8	579.5
55°	719.9	739.5	759.1	721.0	663.7	600.6	531.7	473.1	445.5	417.9	445.5
57.5°	612.2	626.0	639.8	609.8	565.2	502.5	421.5	353.1	322.1	291.2	322.1
60°	540.4	551.2	562.1	534.9	495.0	435.2	355.3	291.7	276.4	261.2	276.4
62.5°	475.1	484.8	494.5	466.1	425.1	371.6	305.7	255.0	249.6	244.2	249.6
65°	385.3	394.7	404.1	374.4	331.6	289.9	249.2	218.6	217.9	217.1	217.9
67.5°	306.6	316.9	327.2	299.2	258.4	227.6	206.7	190.8	189.9	189.0	189.9
70°	259.6	270.5	281.3	255.2	216.8	191.7	180.1	171.1	169.6	168.1	169.6
72.5°	220.4	230.7	241.0	218.2	184.4	163.7	156.2	150.3	149.4	148.6	149.4
75°	166.5	174.5	182.5	166.0	141.3	127.2	123.5	120.6	119.9	119.2	119.9
77.5°	120.8	125.9	131.0	120.2	104.0	95.0	93.2	91.6	90.8	90.1	90.8
80°	94.7	96.9	99.0	91.4	80.5	74.7	74.0	73.3	72.6	71.8	72.6
82.5°	71.2	70.5	69.7	65.3	59.6	56.4	55.7	54.9	53.5	52.2	53.5
85°	37.5	36.1	34.6	33.2	31.7	29.6	26.7	23.9	21.8	19.6	21.8
87.5°	12.7	13.9	15.4	14.4	12.4	11.0	10.4	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°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4
2.5°	1543.3	1542.2	1541.0	1543.6	1550.0	1552.3	1542.5	1532.6	1542.5	1552.3	1550.0
5°	1544.0	1541.6	1540.2	1542.7	1549.3	1551.1	1538.7	1526.4	1538.7	1551.1	1549.3
7.5°	1541.7	1538.3	1535.8	1537.8	1544.1	1545.8	1533.1	1520.5	1533.1	1545.8	1544.1
10°	1537.5	1533.5	1529.8	1530.9	1536.7	1538.4	1527.5	1516.6	1527.5	1538.4	1536.7
12.5°	1528.2	1523.5	1518.7	1518.9	1524.1	1525.5	1515.2	1504.9	1515.2	1525.5	1524.1
15°	1514.2	1508.4	1501.9	1500.1	1503.0	1502.8	1493.4	1484.0	1493.4	1502.8	1503.0
17.5°	1502.5	1494.6	1485.3	1480.8	1481.1	1478.5	1467.0	1455.6	1467.0	1478.5	1481.1
20°	1495.6	1485.0	1473.4	1466.9	1465.5	1460.9	1447.1	1433.3	1447.1	1460.9	1465.5
22.5°	1494.3	1478.1	1460.7	1450.7	1448.0	1442.1	1425.9	1409.8	1425.9	1442.1	1448.0
25°	1495.2	1471.4	1446.0	1428.3	1418.1	1406.5	1390.5	1374.6	1390.5	1406.5	1418.1
27.5°	1485.1	1459.9	1431.3	1406.4	1385.0	1365.1	1349.3	1333.4	1349.3	1365.1	1385.0
30°	1467.8	1442.1	1412.3	1384.7	1359.3	1336.5	1321.2	1306.0	1321.2	1336.5	1359.3
32.5°	1444.0	1416.8	1384.7	1355.1	1328.0	1303.7	1287.9	1272.1	1287.9	1303.7	1328.0
35°	1402.5	1375.7	1342.3	1309.3	1276.6	1248.3	1233.1	1217.9	1233.1	1248.3	1276.6
37.5°	1318.9	1304.7	1286.0	1258.3	1221.8	1190.0	1172.8	1155.5	1172.8	1190.0	1221.8
40°	1243.3	1242.9	1239.3	1220.0	1185.2	1153.5	1131.0	1108.5	1131.0	1153.5	1185.2
42.5°	1139.8	1161.0	1175.4	1170.4	1146.0	1120.5	1091.6	1062.8	1091.6	1120.5	1146.0
45°	918.4	980.6	1053.9	1085.8	1076.4	1060.8	1026.7	992.6	1026.7	1060.8	1076.4
47.5°	771.1	835.8	915.5	963.8	980.8	985.1	951.5	917.8	951.5	985.1	980.8
50°	689.1	744.4	811.9	866.3	907.7	930.7	898.8	866.9	898.8	930.7	907.7
52.5°	608.3	659.5	718.3	775.6	831.5	866.3	837.8	809.4	837.8	866.3	831.5
55°	473.1	531.7	600.6	663.7	721.0	759.1	739.5	719.9	739.5	759.1	721.0
57.5°	353.1	421.5	502.5	565.2	609.8	639.8	626.0	612.2	626.0	639.8	609.8
60°	291.7	355.3	435.2	495.0	534.9	562.1	551.2	540.4	551.2	562.1	534.9
62.5°	255.0	305.7	371.6	425.1	466.1	494.5	484.8	475.1	484.8	494.5	466.1
65°	218.6	249.2	289.9	331.6	374.4	404.1	394.7	385.3	394.7	404.1	374.4
67.5°	190.8	206.7	227.6	258.4	299.2	327.2	316.9	306.6	316.9	327.2	299.2
70°	171.1	180.1	191.7	216.8	255.2	281.3	270.5	259.6	270.5	281.3	255.2
72.5°	150.3	156.2	163.7	184.4	218.2	241.0	230.7	220.4	230.7	241.0	218.2
75°	120.6	123.5	127.2	141.3	166.0	182.5	174.5	166.5	174.5	182.5	166.0
77.5°	91.6	93.2	95.0	104.0	120.2	131.0	125.9	120.8	125.9	131.0	120.2
80°	73.3	74.0	74.7	80.5	91.4	99.0	96.9	94.7	96.9	99.0	91.4
82.5°	54.9	55.7	56.4	59.6	65.3	69.7	70.5	71.2	70.5	69.7	65.3
85°	23.9	26.7	29.6	31.7	33.2	34.6	36.1	37.5	36.1	34.6	33.2
87.5°	10.3	10.4	11.0	12.4	14.4	15.4	13.9	12.7	13.9	15.1	15.0
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: P1428090

CATALOG NUMBER: SQ2W-PP3-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: P1428090

CATALOG NUMBER: SQ2W-PP3-K-100U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4	1544.4
2.5°	1543.6	1541.0	1542.2	1543.3	1544.5	1545.7	1544.5	1543.3	1542.2	1541.0	1543.6
5°	1542.7	1540.2	1541.6	1544.0	1549.1	1554.2	1549.1	1544.0	1541.6	1540.2	1542.7
7.5°	1537.8	1535.8	1538.3	1541.7	1547.9	1554.2	1547.9	1541.7	1538.3	1535.8	1537.8
10°	1530.9	1529.8	1533.5	1537.5	1542.5	1547.6	1542.5	1537.5	1533.5	1529.8	1530.9
12.5°	1518.9	1518.7	1523.5	1528.2	1532.7	1537.2	1532.7	1528.2	1523.5	1518.7	1518.9
15°	1500.1	1501.9	1508.4	1514.2	1517.9	1521.5	1517.9	1514.2	1508.4	1501.9	1500.1
17.5°	1480.8	1485.3	1494.6	1502.5	1506.3	1510.1	1506.3	1502.5	1494.6	1485.3	1480.8
20°	1466.9	1473.4	1485.0	1495.6	1502.8	1510.1	1502.8	1495.6	1485.0	1473.4	1466.9
22.5°	1450.7	1460.7	1478.1	1494.3	1506.7	1519.2	1506.7	1494.3	1478.1	1460.7	1450.7
25°	1428.3	1446.0	1471.4	1495.2	1514.1	1532.9	1514.1	1495.2	1471.4	1446.0	1428.3
27.5°	1406.4	1431.3	1459.9	1485.1	1500.0	1515.0	1500.0	1485.1	1459.9	1431.3	1406.4
30°	1384.7	1412.3	1442.1	1467.8	1481.6	1495.4	1481.6	1467.8	1442.1	1412.3	1384.7
32.5°	1355.1	1384.7	1416.8	1444.0	1456.6	1469.3	1456.6	1444.0	1416.8	1384.7	1355.1
35°	1309.3	1342.3	1375.7	1402.5	1409.8	1417.0	1409.8	1402.5	1375.7	1342.3	1309.3
37.5°	1258.3	1286.0	1304.7	1318.9	1319.3	1319.7	1319.3	1318.9	1304.7	1286.0	1258.3
40°	1220.0	1239.3	1242.9	1243.3	1233.8	1224.4	1233.8	1243.3	1242.9	1239.3	1220.0
42.5°	1170.4	1175.4	1161.0	1139.8	1097.8	1055.9	1097.8	1139.8	1161.0	1175.4	1170.4
45°	1085.8	1053.9	980.6	918.4	889.4	860.3	889.4	918.4	980.6	1053.9	1085.8
47.5°	963.8	915.5	835.8	771.1	751.1	731.0	751.1	771.1	835.8	915.5	963.8
50°	866.3	811.9	744.4	689.1	670.2	651.4	670.2	689.1	744.4	811.9	866.3
52.5°	775.6	718.3	659.5	608.3	579.5	550.8	579.5	608.3	659.5	718.3	775.6
55°	663.7	600.6	531.7	473.1	445.5	417.9	445.5	473.1	531.7	600.6	663.7
57.5°	565.2	502.5	421.5	353.1	322.1	291.2	322.1	353.1	421.5	502.5	565.2
60°	495.0	435.2	355.3	291.7	276.4	261.2	276.4	291.7	355.3	435.2	495.0
62.5°	425.1	371.6	305.7	255.0	249.6	244.2	249.6	255.0	305.7	371.6	425.1
65°	331.6	289.9	249.2	218.6	217.9	217.1	217.9	218.6	249.2	289.9	331.6
67.5°	258.4	227.6	206.7	190.8	189.9	189.0	189.9	190.8	206.7	227.6	258.4
70°	216.8	191.7	180.1	171.1	169.6	168.1	169.6	171.1	180.1	191.7	216.8
72.5°	184.4	163.7	156.2	150.3	149.4	148.6	149.4	150.3	156.2	163.7	184.4
75°	141.3	127.2	123.5	120.6	119.9	119.2	119.9	120.6	123.5	127.2	141.3
77.5°	104.0	95.0	93.2	91.6	90.8	90.1	90.8	91.6	93.2	95.0	104.0
80°	80.5	74.7	74.0	73.3	72.6	71.8	72.6	73.3	74.0	74.7	80.5
82.5°	59.6	56.4	55.7	54.9	53.5	52.2	53.5	54.9	55.7	56.4	59.6
85°	31.7	29.6	26.7	23.9	21.8	19.6	21.8	23.9	26.7	29.6	31.7
87.5°	13.6	14.0	15.6	16.3	17.5	16.9	17.5	16.3	15.6	14.0	13.6
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: P1428090

CATALOG NUMBER: SQ2W-PP3-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: P1428090

CATALOG NUMBER: SQ2W-PP3-K-100U-075D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1544.4	1544.4	1544.4	1544.4
2.5°	1550.0	1552.3	1542.5	1532.6
5°	1549.3	1551.1	1538.7	1526.4
7.5°	1544.1	1545.8	1533.1	1520.5
10°	1536.7	1538.4	1527.5	1516.6
12.5°	1524.1	1525.5	1515.2	1504.9
15°	1503.0	1502.8	1493.4	1484.0
17.5°	1481.1	1478.5	1467.0	1455.6
20°	1465.5	1460.9	1447.1	1433.3
22.5°	1448.0	1442.1	1425.9	1409.8
25°	1418.1	1406.5	1390.5	1374.6
27.5°	1385.0	1365.1	1349.3	1333.4
30°	1359.3	1336.5	1321.2	1306.0
32.5°	1328.0	1303.7	1287.9	1272.1
35°	1276.6	1248.3	1233.1	1217.9
37.5°	1221.8	1190.0	1172.8	1155.5
40°	1185.2	1153.5	1131.0	1108.5
42.5°	1146.0	1120.5	1091.6	1062.8
45°	1076.4	1060.8	1026.7	992.6
47.5°	980.8	985.1	951.5	917.8
50°	907.7	930.7	898.8	866.9
52.5°	831.5	866.3	837.8	809.4
55°	721.0	759.1	739.5	719.9
57.5°	609.8	639.8	626.0	612.2
60°	534.9	562.1	551.2	540.4
62.5°	466.1	494.5	484.8	475.1
65°	374.4	404.1	394.7	385.3
67.5°	299.2	327.2	316.9	306.6
70°	255.2	281.3	270.5	259.6
72.5°	218.2	241.0	230.7	220.4
75°	166.0	182.5	174.5	166.5
77.5°	120.2	131.0	125.9	120.8
80°	91.4	99.0	96.9	94.7
82.5°	65.3	69.7	70.5	71.2
85°	33.2	34.6	36.1	37.5
87.5°	15.0	15.1	13.9	12.7
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: P1428090

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**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: P1428090  
 CATALOG NUMBER: SQ2W-PP3-K-100U-075D-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	18.35	19.16	19.34	20.15	21.47	14.12	14.93	15.11	15.92	17.24
	3H	19.41	20.13	20.41	21.13	22.47	15.43	16.15	16.43	17.15	18.49
	4H	19.77	20.45	20.78	21.46	22.81	15.98	16.66	16.99	17.67	19.01
	6H	19.96	20.59	20.99	21.60	22.96	16.34	16.97	17.36	17.98	19.34
	8H	20.02	20.62	21.05	21.65	23.00	16.47	17.06	17.50	18.09	19.45
	12H	20.04	20.61	21.08	21.63	23.01	16.50	17.07	17.53	18.09	19.47
4H	2H	18.46	19.14	19.48	20.15	21.50	15.02	15.70	16.04	16.71	18.06
	3H	19.75	20.32	20.78	21.35	22.71	16.44	17.01	17.47	18.04	19.40
	4H	20.26	20.77	21.29	21.80	23.18	17.06	17.58	18.09	18.61	19.99
	6H	20.57	21.01	21.61	22.06	23.44	17.50	17.95	18.55	19.00	20.38
	8H	20.68	21.09	21.72	22.14	23.53	17.67	18.09	18.72	19.13	20.52
	12H	20.72	21.09	21.78	22.15	23.55	17.72	18.09	18.78	19.15	20.55
8H	4H	20.27	20.69	21.32	21.73	23.12	17.37	17.78	18.41	18.82	20.22
	6H	20.68	21.02	21.75	22.11	23.50	17.92	18.26	18.99	19.35	20.74
	8H	20.86	21.16	21.94	22.23	23.64	18.17	18.47	19.25	19.54	20.95
	12H	20.96	21.22	22.04	22.29	23.74	18.27	18.53	19.35	19.60	21.05
12H	4H	20.23	20.60	21.29	21.66	23.06	17.37	17.75	18.44	18.81	20.20
	6H	20.67	20.98	21.75	22.05	23.46	17.99	18.29	19.06	19.36	20.77
	8H	20.87	21.13	21.95	22.20	23.65	18.26	18.53	19.34	19.59	21.04