

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1435756

Luminaire Tested: SQ2W-FA-K-025U-100D-L940-UNV-STD-W-WM-4

Issue Date: 3/24/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1435756  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2502-345-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/24/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-FA-K-025U-100D-L940-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - FROSTED CONTINUOUS ASYMMETRIC ROLL LENS  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 1000 LUMENS PER FOOT  
UPLIGHT 250 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

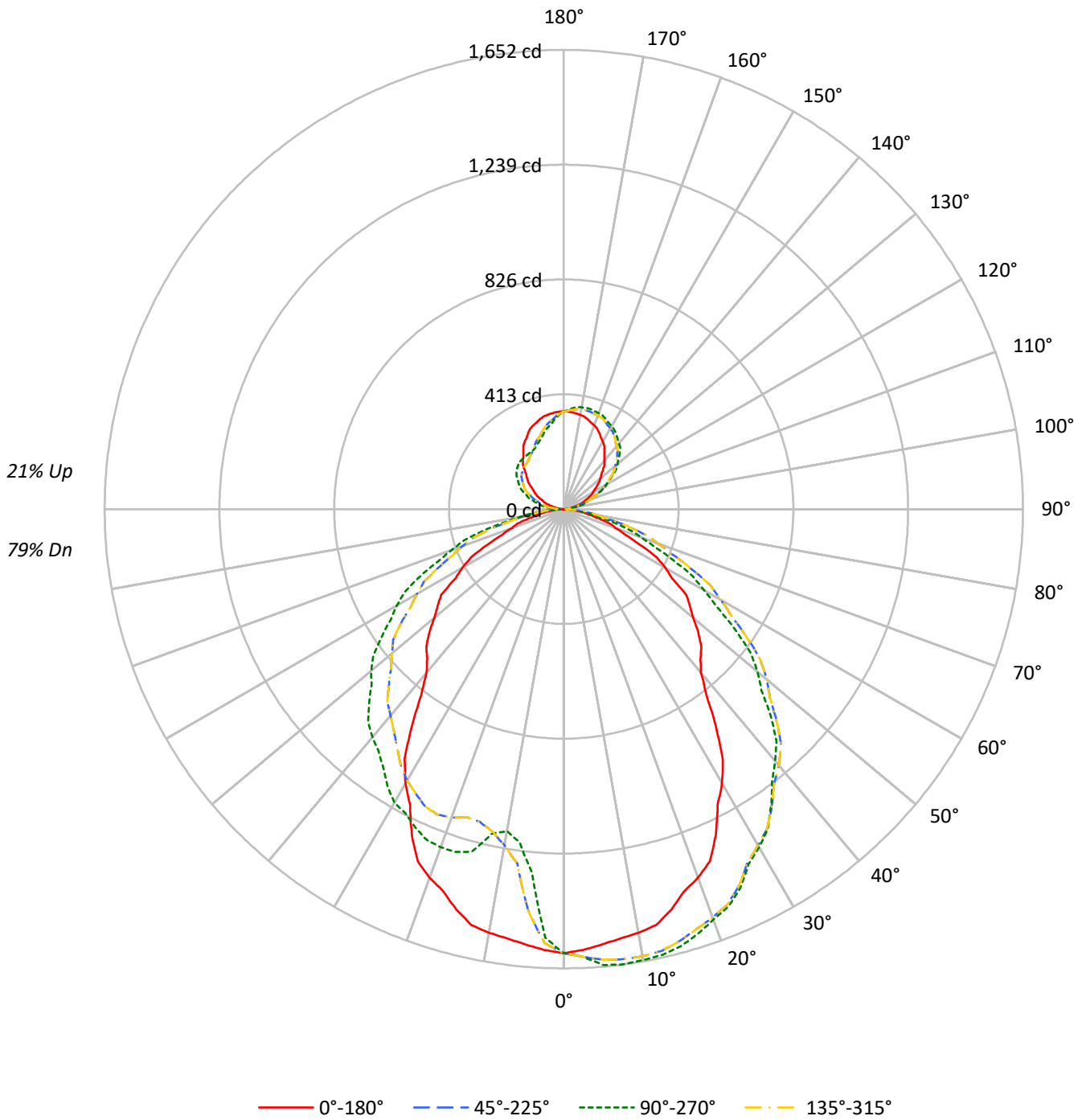
Lumens per Lamp: N/A  
Luminaire Lumens: 4991.4 lumens  
Efficiency: N/A  
Efficacy: 110.7 lumens/watt  
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 45.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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-FA-K-025U-100D-L940-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	50	30	10	0	
RCR																						
0	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	79				
1	105	100	96	93	100	96	92	89	88	85	83	81	79	77	74	72	71	67				
2	95	88	81	76	91	84	78	73	77	73	69	71	67	64	65	62	60	57				
3	87	77	69	63	83	74	67	61	68	62	58	63	58	54	58	54	51	48				
4	80	68	60	54	76	66	58	52	61	54	49	56	51	47	52	47	44	41				
5	73	61	53	46	70	59	51	45	54	48	43	50	45	40	47	42	38	36				
6	68	55	46	40	64	53	45	39	49	42	37	46	40	36	42	37	34	31				
7	63	50	41	36	60	48	40	35	45	38	33	42	36	32	39	34	30	28				
8	58	45	37	32	56	44	36	31	41	34	30	38	32	28	35	31	27	25				
9	54	42	34	28	52	40	33	28	38	31	27	35	29	25	33	28	24	22				
10	51	38	31	26	49	37	30	25	35	28	24	32	27	23	30	26	22	20				

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

	0°	90°	180°	270°
0°	25784	25784	25784	25784
5°	25481	26685	25481	21269
10°	25371	26994	25371	19282
15°	24936	27211	24936	21313
20°	24249	27013	24249	22228
25°	23047	26795	23047	22495
30°	21233	26196	21233	22734
35°	18788	25621	18788	22328
40°	16176	24919	16176	22571
45°	15972	24027	15972	22614
50°	15237	22855	15237	22699
55°	15158	21084	15158	22477
60°	13591	18790	13591	22387
65°	11587	16554	11587	21757
70°	9352	14025	9352	20162
75°	8110	11584	8110	18534
80°	6908	8628	6908	14960
85°	4594	4594	4594	9170

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 24781 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	143.7	2.9
10°-20°	401.5	8.0
20°-30°	609.7	12.2
30°-40°	715.9	14.3
40°-50°	726.5	14.6
50°-60°	636.3	12.7
60°-70°	451.3	9.0
70°-80°	232.4	4.7
80°-90°	50.2	1.0
90°-100°	27.9	0.6
100°-110°	81.4	1.6
110°-120°	132.8	2.7
120°-130°	168.5	3.4
130°-140°	180.3	3.6
140°-150°	168.4	3.4
150°-160°	138.6	2.8
160°-170°	92.9	1.9
170°-180°	33.0	0.7
0°-30°	1154.9	23.1
0°-40°	1870.8	37.5
0°-60°	3233.6	64.8
0°-90°	3967.5	79.5
90°-120°	242.1	4.9
90°-150°	759.4	15.2
90°-180°	1024.0	20.5
0°-180°	4991.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1597	1597	1597	1597	1597	
5°	1572	1646	1572	1312	1572	149
15°	1492	1628	1492	1275	1492	419
25°	1294	1504	1294	1263	1294	591
35°	953	1300	953	1133	953	594
45°	700	1052	700	990	700	535
55°	538	749	538	798	538	466
65°	303	433	303	570	303	303
75°	130	186	130	297	130	141
85°	25	25	25	50	25	31
90°	1	8	1	15	1	2
95°	11	8	11	48	11	13
105°	52	83	52	114	52	55
115°	99	137	99	169	99	98
125°	147	218	147	208	147	131
135°	199	285	199	230	199	154
145°	255	329	255	235	255	159
155°	302	357	302	244	302	139
165°	334	372	334	280	334	94
175°	350	364	350	329	350	33
180°	351	351	351	351	351	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0
2.5°	1587.1	1598.1	1609.1	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9	1611.9
5°	1572.2	1591.5	1610.7	1619.7	1625.2	1629.3	1632.1	1635.5	1641.0	1646.5	1641.0
7.5°	1557.4	1583.2	1609.1	1621.8	1630.0	1636.6	1641.6	1646.0	1648.7	1651.5	1648.7
10°	1547.5	1577.7	1608.0	1621.8	1630.0	1635.5	1638.3	1641.0	1643.8	1646.5	1643.8
12.5°	1532.6	1565.1	1597.5	1613.5	1624.0	1630.6	1633.3	1636.1	1638.8	1641.6	1638.8
15°	1491.8	1535.8	1579.8	1597.0	1605.2	1612.1	1617.6	1622.4	1625.2	1627.9	1625.2
17.5°	1441.0	1494.4	1547.8	1569.3	1580.4	1588.3	1593.3	1597.5	1599.7	1601.9	1599.7
20°	1411.3	1469.1	1526.8	1549.5	1560.5	1567.4	1570.2	1572.2	1572.2	1572.2	1572.2
22.5°	1371.7	1436.1	1500.4	1524.8	1535.8	1541.6	1542.1	1543.1	1545.3	1547.5	1545.3
25°	1293.7	1368.0	1442.2	1473.2	1489.7	1496.6	1493.8	1493.1	1498.6	1504.1	1498.6
27.5°	1198.4	1291.9	1385.4	1417.1	1428.1	1435.0	1437.7	1439.8	1439.8	1439.8	1439.8
30°	1138.9	1243.5	1348.0	1382.4	1393.4	1400.3	1403.0	1405.1	1405.1	1405.1	1405.1
32.5°	1064.7	1189.0	1313.4	1351.0	1359.9	1364.5	1365.1	1365.5	1365.5	1365.5	1365.5
35°	953.2	1104.6	1255.9	1297.8	1303.3	1306.1	1306.1	1305.4	1302.6	1299.9	1302.6
37.5°	841.8	1013.5	1185.2	1234.3	1242.5	1244.7	1240.9	1237.3	1234.5	1231.8	1234.5
40°	767.5	954.6	1141.7	1194.7	1202.9	1202.9	1194.7	1187.8	1185.0	1182.3	1185.0
42.5°	727.9	912.8	1097.7	1150.1	1158.3	1157.2	1146.8	1138.3	1135.5	1132.8	1135.5
45°	699.5	864.5	1029.6	1077.0	1085.3	1083.9	1072.9	1063.3	1057.8	1052.3	1057.8
47.5°	656.1	801.4	946.6	993.3	1007.0	1005.7	989.1	975.4	969.9	964.4	969.9
50°	606.6	749.7	892.7	938.8	952.6	951.2	934.7	920.9	915.4	909.9	915.4
52.5°	571.9	706.2	840.5	882.7	894.2	890.7	872.0	856.5	851.0	845.5	851.0
55°	538.5	651.3	764.1	798.5	806.8	801.2	782.0	765.5	757.2	749.0	757.2
57.5°	460.5	567.8	675.1	708.5	717.3	710.7	688.7	669.9	660.5	651.2	660.5
60°	420.9	517.2	613.5	645.8	656.8	651.3	629.3	609.4	595.6	581.9	595.6
62.5°	376.3	461.6	546.9	579.8	595.2	591.9	569.9	549.9	536.2	522.4	536.2
65°	303.3	377.6	451.9	484.9	504.1	502.8	480.7	460.8	447.0	433.3	447.0
67.5°	237.7	301.5	365.3	397.8	419.8	418.7	394.5	373.6	362.6	351.6	362.6
70°	198.1	253.1	308.1	338.4	360.4	360.4	338.4	319.1	308.1	297.1	308.1
72.5°	173.3	215.1	256.9	285.6	309.8	309.8	285.6	265.2	256.4	247.6	256.4
75°	130.0	154.7	179.5	206.3	233.8	236.6	214.6	196.7	191.2	185.7	191.2
77.5°	94.1	105.6	117.2	138.2	162.5	165.2	146.5	131.9	129.7	127.5	129.7
80°	74.3	77.0	79.8	97.0	119.0	121.7	105.2	92.8	92.8	92.8	92.8
82.5°	49.5	52.3	55.0	67.3	82.7	84.3	72.2	62.6	60.4	58.2	60.4
85°	24.8	24.8	24.8	28.9	34.4	34.4	28.9	24.8	24.8	24.8	24.8
87.5°	5.2	5.4	5.8	7.7	10.1	10.2	8.0	6.4	6.5	6.5	6.5
90°	1.1	2.5	4.3	5.7	6.7	7.1	7.1	7.4	7.8	7.8	7.8
92.5°	3.9	6.2	6.2	6.2	7.6	8.2	8.8	8.9	9.2	9.2	9.2
95°	11.0	12.0	18.1	17.7	12.0	9.6	8.1	8.1	8.1	8.1	8.1
97.5°	21.0	22.5	23.5	31.5	33.3	32.2	26.2	22.0	19.7	18.6	19.7
100°	29.8	30.5	32.6	32.9	41.8	50.3	46.0	40.7	39.0	37.9	39.0
102.5°	38.5	39.0	42.2	43.7	45.8	50.6	65.3	63.7	62.5	62.3	62.5
105°	51.7	52.1	58.1	60.9	62.3	62.3	62.0	69.1	80.4	82.9	80.4
107.5°	65.8	67.4	74.5	82.1	83.7	84.2	82.3	81.3	80.8	81.1	80.8
110°	75.4	77.9	86.4	96.0	98.5	99.2	98.5	97.4	96.7	96.7	96.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	84.8	88.4	98.0	109.0	113.2	115.3	113.8	113.0	112.3	112.9	112.3
115°	99.2	104.5	117.2	128.6	137.1	138.1	137.8	137.8	137.4	137.4	137.4
117.5°	112.5	121.0	135.3	148.5	158.3	161.2	162.6	162.2	161.7	162.4	161.7
120°	121.9	131.8	148.1	162.9	172.5	176.8	178.2	177.5	178.2	177.5	178.2
122.5°	131.8	144.0	160.0	175.4	186.7	191.5	193.2	193.3	193.5	193.1	193.5
125°	146.6	161.5	180.3	196.2	207.9	213.6	215.0	215.4	216.1	217.8	216.1
127.5°	161.7	178.5	199.1	214.5	226.5	233.4	235.6	236.3	237.8	238.6	237.8
130°	172.2	191.3	212.2	226.7	238.4	245.8	249.7	250.8	252.6	252.2	252.6
132.5°	183.2	203.2	224.4	239.5	250.3	258.3	261.6	264.7	265.3	265.8	265.3
135°	199.4	221.0	242.3	257.2	267.4	275.2	279.5	282.3	284.1	285.1	284.1
137.5°	216.5	239.3	259.7	273.0	283.3	290.0	294.9	297.8	299.7	300.5	299.7
140°	228.1	250.1	269.9	283.7	292.9	299.7	303.9	307.5	309.6	309.6	309.6
142.5°	239.2	260.9	280.1	293.9	302.0	308.2	312.7	315.4	317.8	317.8	317.8
145°	254.7	276.3	294.0	307.8	314.6	320.2	325.2	327.3	328.7	328.7	328.7
147.5°	270.9	290.0	306.2	319.4	325.1	331.8	335.7	337.4	339.1	338.4	339.1
150°	280.5	298.3	313.8	326.2	331.9	338.3	342.2	343.6	345.4	344.3	345.4
152.5°	289.9	306.8	320.9	332.5	337.3	343.7	348.1	349.5	350.8	350.0	350.8
155°	302.5	317.4	330.5	341.1	345.4	351.4	355.6	357.4	358.8	357.1	358.8
157.5°	313.8	326.6	338.0	347.8	352.3	357.5	361.4	363.6	365.1	364.3	365.1
160°	320.6	332.3	342.5	351.7	356.0	360.6	364.9	367.3	368.7	367.7	368.7
162.5°	326.2	336.8	346.5	354.9	358.5	362.6	367.7	369.9	371.3	370.0	371.3
165°	334.4	342.9	351.4	358.5	361.7	364.9	370.2	372.6	373.7	372.3	373.7
167.5°	340.6	347.1	353.9	360.0	362.4	365.5	370.8	372.9	374.2	372.4	374.2
170°	344.0	349.6	355.6	360.6	362.4	365.2	370.5	372.3	373.4	371.6	373.4
172.5°	346.8	351.0	355.9	360.3	361.2	363.5	368.5	370.3	371.1	369.6	371.1
175°	349.6	352.1	355.6	358.5	358.1	359.5	363.8	365.2	366.6	364.5	366.6
177.5°	351.0	352.1	353.2	354.9	353.8	353.8	356.9	357.8	358.0	356.9	358.0
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0
2.5°	1611.9	1611.9	1611.9	1611.9	1611.9	1609.1	1598.1	1587.1	1587.1	1587.1	1578.8
5°	1635.5	1632.1	1629.3	1625.2	1619.7	1610.7	1591.5	1572.2	1564.0	1555.7	1520.7
7.5°	1646.0	1641.6	1636.6	1630.0	1621.8	1609.1	1583.2	1557.4	1520.5	1483.7	1405.5
10°	1641.0	1638.3	1635.5	1630.0	1621.8	1608.0	1577.7	1547.5	1473.2	1398.9	1324.6
12.5°	1636.1	1633.3	1630.6	1624.0	1613.5	1597.5	1565.1	1532.6	1427.5	1322.4	1255.3
15°	1622.4	1617.6	1612.1	1605.2	1597.0	1579.8	1535.8	1491.8	1373.5	1255.2	1198.8
17.5°	1597.5	1593.3	1588.3	1580.4	1569.3	1547.8	1494.4	1441.0	1317.2	1193.4	1157.1
20°	1572.2	1570.2	1567.4	1560.5	1549.5	1526.8	1469.1	1411.3	1287.5	1163.7	1147.2
22.5°	1543.1	1542.1	1541.6	1535.8	1524.8	1500.4	1436.1	1371.7	1250.1	1128.5	1129.0
25°	1493.1	1493.8	1496.6	1489.7	1473.2	1442.2	1368.0	1293.7	1186.4	1079.1	1097.7
27.5°	1439.8	1437.7	1435.0	1428.1	1417.1	1385.4	1291.9	1198.4	1113.6	1028.9	1059.7
30°	1405.1	1403.0	1400.3	1393.4	1382.4	1348.0	1243.5	1138.9	1067.4	995.9	1031.7
32.5°	1365.5	1365.1	1364.5	1359.9	1351.0	1313.4	1189.0	1064.7	1012.9	961.2	998.6
35°	1305.4	1306.1	1306.1	1303.3	1297.8	1255.9	1104.6	953.2	931.2	909.2	953.2
37.5°	1237.3	1240.9	1244.7	1242.5	1234.3	1185.2	1013.5	841.8	849.0	856.1	909.5
40°	1187.8	1194.7	1202.9	1202.9	1194.7	1141.7	954.6	767.5	792.3	817.1	874.8
42.5°	1138.3	1146.8	1157.2	1158.3	1150.1	1097.7	912.8	727.9	754.9	781.9	841.8
45°	1063.3	1072.9	1083.9	1085.3	1077.0	1029.6	864.5	699.5	716.0	732.5	790.2
47.5°	975.4	989.1	1005.7	1007.0	993.3	946.6	801.4	656.1	668.2	680.3	739.5
50°	920.9	934.7	951.2	952.6	938.8	892.7	749.7	606.6	623.1	639.6	701.5
52.5°	856.5	872.0	890.7	894.2	882.7	840.5	706.2	571.9	581.9	591.8	658.6
55°	765.5	782.0	801.2	806.8	798.5	764.1	651.3	538.5	530.3	522.0	590.1
57.5°	669.9	688.7	710.7	717.3	708.5	675.1	567.8	460.5	453.4	446.2	520.0
60°	609.4	629.3	651.3	656.8	645.8	613.5	517.2	420.9	407.2	393.4	470.4
62.5°	549.9	569.9	591.9	595.2	579.8	546.9	461.6	376.3	367.0	357.6	432.5
65°	460.8	480.7	502.8	504.1	484.9	451.9	377.6	303.3	308.8	314.3	381.7
67.5°	373.6	394.5	418.7	419.8	397.8	365.3	301.5	237.7	255.8	274.0	334.7
70°	319.1	338.4	360.4	360.4	338.4	308.1	253.1	198.1	222.8	247.6	303.3
72.5°	265.2	285.6	309.8	309.8	285.6	256.9	215.1	173.3	198.1	222.8	268.6
75°	196.7	214.6	236.6	233.8	206.3	179.5	154.7	130.0	154.7	179.5	214.6
77.5°	131.9	146.5	165.2	162.5	138.2	117.2	105.6	94.1	114.4	134.8	159.3
80°	92.8	105.2	121.7	119.0	97.0	79.8	77.0	74.3	88.0	101.8	119.7
82.5°	62.6	72.2	84.3	82.7	67.3	55.0	52.3	49.5	61.1	72.6	85.0
85°	24.8	28.9	34.4	34.4	28.9	24.8	24.8	24.8	30.3	35.8	41.3
87.5°	6.4	8.0	10.2	10.1	7.7	5.8	5.4	5.2	7.6	10.1	11.2
90°	7.4	7.1	7.1	6.7	5.7	4.3	2.5	1.1	2.5	3.9	6.4
92.5°	8.9	8.8	8.2	7.6	6.2	6.2	6.2	3.9	6.7	9.6	13.7
95°	8.1	8.1	9.6	12.0	17.7	18.1	12.0	11.0	15.6	22.0	27.6
97.5°	22.0	26.2	32.2	33.3	31.5	23.5	22.5	21.0	28.6	34.9	44.0
100°	40.7	46.0	50.3	41.8	32.9	32.6	30.5	29.8	37.9	43.9	52.8
102.5°	63.7	65.3	50.6	45.8	43.7	42.2	39.0	38.5	46.7	55.0	62.4
105°	69.1	62.0	62.3	62.3	60.9	58.1	52.1	51.7	60.9	70.5	79.7
107.5°	81.3	82.3	84.2	83.7	82.1	74.5	67.4	65.8	74.1	85.6	95.7
110°	97.4	98.5	99.2	98.5	96.0	86.4	77.9	75.4	82.9	94.9	105.9



TEST NUMBER: P1435756

CATALOG NUMBER: SQ2W-FA-K-025U-100D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	113.0	113.8	115.3	113.2	109.0	98.0	88.4	84.8	92.2	104.6	115.8
115°	137.8	137.8	138.1	137.1	128.6	117.2	104.5	99.2	105.6	116.9	129.3
117.5°	162.2	162.6	161.2	158.3	148.5	135.3	121.0	112.5	117.5	129.5	142.3
120°	177.5	178.2	176.8	172.5	162.9	148.1	131.8	121.9	125.7	137.4	150.2
122.5°	193.3	193.2	191.5	186.7	175.4	160.0	144.0	131.8	133.4	144.2	156.7
125°	215.4	215.0	213.6	207.9	196.2	180.3	161.5	146.6	144.5	153.7	166.5
127.5°	236.3	235.6	233.4	226.5	214.5	199.1	178.5	161.7	156.9	162.7	174.4
130°	250.8	249.7	245.8	238.4	226.7	212.2	191.3	172.2	165.4	169.0	179.2
132.5°	264.7	261.6	258.3	250.3	239.5	224.4	203.2	183.2	173.9	175.5	183.5
135°	282.3	279.5	275.2	267.4	257.2	242.3	221.0	199.4	186.7	185.3	189.9
137.5°	297.8	294.9	290.0	283.3	273.0	259.7	239.3	216.5	200.4	195.7	197.4
140°	307.5	303.9	299.7	292.9	283.7	269.9	250.1	228.1	210.1	203.3	202.3
142.5°	315.4	312.7	308.2	302.0	293.9	280.1	260.9	239.2	220.0	211.3	208.8
145°	327.3	325.2	320.2	314.6	307.8	294.0	276.3	254.7	235.6	224.2	218.9
147.5°	337.4	335.7	331.8	325.1	319.4	306.2	290.0	270.9	251.3	237.3	230.4
150°	343.6	342.2	338.3	331.9	326.2	313.8	298.3	280.5	261.8	246.9	238.0
152.5°	349.5	348.1	343.7	337.3	332.5	320.9	306.8	289.9	270.8	256.0	246.8
155°	357.4	355.6	351.4	345.4	341.1	330.5	317.4	302.5	286.2	270.6	260.4
157.5°	363.6	361.4	357.5	352.3	347.8	338.0	326.6	313.8	299.5	284.7	274.2
160°	367.3	364.9	360.6	356.0	351.7	342.5	332.3	320.6	307.5	294.0	282.7
162.5°	369.9	367.7	362.6	358.5	354.9	346.5	336.8	326.2	314.6	302.8	292.3
165°	372.6	370.2	364.9	361.7	358.5	351.4	342.9	334.4	324.5	314.9	306.4
167.5°	372.9	370.8	365.5	362.4	360.0	353.9	347.1	340.6	332.8	325.3	318.2
170°	372.3	370.5	365.2	362.4	360.6	355.6	349.6	344.0	337.9	331.6	325.9
172.5°	370.3	368.5	363.5	361.2	360.3	355.9	351.0	346.8	341.6	336.9	332.4
175°	365.2	363.8	359.5	358.1	358.5	355.6	352.1	349.6	346.4	343.6	341.1
177.5°	357.8	356.9	353.8	353.8	354.9	353.2	352.1	351.0	349.5	348.7	347.8
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



TEST NUMBER: P1435756

CATALOG NUMBER: SQ2W-FA-K-025U-100D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0	1597.0
2.5°	1567.8	1559.0	1552.4	1546.9	1544.7	1542.5	1544.7	1546.9	1552.4	1559.0	1567.8
5°	1476.6	1429.9	1380.3	1339.8	1326.0	1312.3	1326.0	1339.8	1380.3	1429.9	1476.6
7.5°	1313.6	1257.2	1236.3	1219.5	1215.1	1210.7	1215.1	1219.5	1236.3	1257.2	1313.6
10°	1250.4	1205.0	1188.5	1176.1	1176.1	1176.1	1176.1	1176.1	1188.5	1205.0	1250.4
12.5°	1200.8	1173.1	1172.0	1173.9	1184.9	1195.9	1184.9	1173.9	1172.0	1173.1	1200.8
15°	1163.0	1167.1	1211.2	1247.6	1261.4	1275.1	1261.4	1247.6	1211.2	1167.1	1163.0
17.5°	1149.9	1173.6	1228.1	1271.7	1282.7	1293.7	1282.7	1271.7	1228.1	1173.6	1149.9
20°	1166.5	1196.7	1238.0	1271.7	1282.7	1293.7	1282.7	1271.7	1238.0	1196.7	1166.5
22.5°	1170.3	1207.2	1239.6	1266.7	1277.7	1288.7	1277.7	1266.7	1239.6	1207.2	1170.3
25°	1158.2	1202.2	1229.7	1251.7	1257.2	1262.7	1257.2	1251.7	1229.7	1202.2	1158.2
27.5°	1129.0	1177.5	1205.0	1226.6	1230.4	1234.3	1230.4	1226.6	1205.0	1177.5	1129.0
30°	1103.2	1152.7	1180.2	1202.9	1211.2	1219.4	1211.2	1202.9	1180.2	1152.7	1103.2
32.5°	1065.8	1116.4	1150.5	1176.5	1178.1	1179.8	1178.1	1176.5	1150.5	1116.4	1065.8
35°	1019.3	1071.5	1110.1	1138.3	1135.5	1132.8	1135.5	1138.3	1110.1	1071.5	1019.3
37.5°	978.3	1029.4	1063.0	1089.0	1092.3	1095.6	1092.3	1089.0	1063.0	1029.4	978.3
40°	943.6	995.9	1031.7	1059.8	1065.4	1070.9	1065.4	1059.8	1031.7	995.9	943.6
42.5°	912.8	966.2	1001.9	1030.1	1035.6	1041.1	1035.6	1030.1	1001.9	966.2	912.8
45°	861.8	916.8	955.3	984.9	987.6	990.4	987.6	984.9	955.3	916.8	861.8
47.5°	814.3	869.6	905.4	932.9	935.6	938.4	935.6	932.9	905.4	869.6	814.3
50°	778.6	834.9	870.7	898.2	901.0	903.7	901.0	898.2	870.7	834.9	778.6
52.5°	744.4	803.0	834.4	858.6	861.4	864.1	861.4	858.6	834.4	803.0	744.4
55°	683.6	745.5	775.8	798.5	798.5	798.5	798.5	798.5	775.8	745.5	683.6
57.5°	620.6	684.2	710.6	731.2	734.5	737.8	734.5	731.2	710.6	684.2	620.6
60°	577.7	642.4	664.4	682.3	687.8	693.3	687.8	682.3	664.4	642.4	577.7
62.5°	535.4	597.8	619.8	637.1	640.4	643.7	640.4	637.1	619.8	597.8	535.4
65°	469.7	524.8	546.8	564.0	566.7	569.5	566.7	564.0	546.8	524.8	469.7
67.5°	409.5	454.6	470.0	482.1	484.3	486.5	484.3	482.1	470.0	454.6	409.5
70°	369.3	407.8	418.8	427.1	427.1	427.1	427.1	427.1	418.8	407.8	369.3
72.5°	321.5	353.4	364.4	373.2	375.4	377.6	375.4	373.2	364.4	353.4	321.5
75°	253.1	276.5	284.7	291.6	294.4	297.1	294.4	291.6	284.7	276.5	253.1
77.5°	185.1	200.6	205.5	209.9	212.7	215.4	212.7	209.9	205.5	200.6	185.1
80°	138.9	149.9	152.7	155.4	158.2	160.9	158.2	155.4	152.7	149.9	138.9
82.5°	97.7	105.4	108.1	110.3	110.9	111.4	110.9	110.3	108.1	105.4	97.7
85°	46.8	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	46.8
87.5°	11.5	12.0	12.5	12.8	13.1	13.0	13.1	12.8	12.5	12.0	11.5
90°	8.1	10.6	13.1	14.5	15.9	15.2	15.9	14.5	13.1	10.6	8.1
92.5°	16.4	20.5	23.6	26.1	27.3	27.1	27.3	26.1	23.6	20.5	16.4
95°	32.9	37.9	42.9	46.4	48.5	47.8	48.5	46.4	42.9	37.9	32.9
97.5°	50.8	57.5	63.0	66.3	68.4	69.9	68.4	66.3	63.0	57.5	50.8
100°	62.7	69.1	75.4	79.3	82.9	84.3	82.9	79.3	75.4	69.1	62.7
102.5°	72.3	80.7	87.6	91.8	94.8	96.2	94.8	91.8	87.6	80.7	72.3
105°	88.2	97.1	104.5	109.8	113.0	114.1	113.0	109.8	104.5	97.1	88.2
107.5°	104.1	113.2	120.1	126.0	129.9	132.1	129.9	126.0	120.1	113.2	104.1
110°	116.5	124.0	131.4	136.7	140.6	142.0	140.6	136.7	131.4	124.0	116.5



TEST NUMBER: P1435756

CATALOG NUMBER: SQ2W-FA-K-025U-100D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	127.0	135.3	142.8	148.1	152.5	154.5	152.5	148.1	142.8	135.3	127.0
115°	141.7	152.7	159.4	164.4	167.5	169.3	167.5	164.4	159.4	152.7	141.7
117.5°	153.9	165.4	172.7	176.5	178.0	179.3	178.0	176.5	172.7	165.4	153.9
120°	161.5	172.2	180.7	185.6	187.4	188.1	187.4	185.6	180.7	172.2	161.5
122.5°	168.6	178.7	186.9	193.0	195.9	196.6	195.9	193.0	186.9	178.7	168.6
125°	178.5	188.1	196.6	202.6	205.8	207.6	205.8	202.6	196.6	188.1	178.5
127.5°	187.2	197.5	205.3	210.8	213.9	215.3	213.9	210.8	205.3	197.5	187.2
130°	192.0	202.6	210.4	216.4	219.3	220.7	219.3	216.4	210.4	202.6	192.0
132.5°	195.7	206.9	214.9	220.4	223.5	224.9	223.5	220.4	214.9	206.9	195.7
135°	200.1	211.8	220.3	225.6	228.5	229.9	228.5	225.6	220.3	211.8	200.1
137.5°	204.0	214.7	223.5	229.1	231.7	232.6	231.7	229.1	223.5	214.7	204.0
140°	206.9	216.1	224.9	230.2	233.1	233.4	233.1	230.2	224.9	216.1	206.9
142.5°	210.6	217.8	225.5	230.8	233.6	234.3	233.6	230.8	225.5	217.8	210.6
145°	217.1	221.4	226.7	231.7	234.1	234.9	234.1	231.7	226.7	221.4	217.1
147.5°	225.4	226.8	229.5	232.8	235.2	235.7	235.2	232.8	229.5	226.8	225.4
150°	231.7	231.3	232.4	234.5	236.6	236.3	236.6	234.5	232.4	231.3	231.7
152.5°	238.7	236.7	236.6	237.6	238.6	238.5	238.6	237.6	236.6	236.7	238.7
155°	250.8	246.9	244.8	244.1	244.1	243.7	244.1	244.1	244.8	246.9	250.8
157.5°	264.0	258.6	255.4	253.7	253.2	252.4	253.2	253.7	255.4	258.6	264.0
160°	273.1	267.1	263.9	261.1	260.0	258.9	260.0	261.1	263.9	267.1	273.1
162.5°	281.6	275.9	272.4	269.8	268.8	267.2	268.8	269.8	272.4	275.9	281.6
165°	295.4	289.4	285.5	283.4	282.0	280.5	282.0	283.4	285.5	289.4	295.4
167.5°	309.2	302.6	300.1	297.7	296.3	293.8	296.3	297.7	300.1	302.6	309.2
170°	317.7	311.7	310.3	308.2	305.7	302.9	305.7	308.2	310.3	311.7	317.7
172.5°	325.1	321.1	319.7	317.5	316.7	314.5	316.7	317.5	319.7	321.1	325.1
175°	335.8	332.6	332.6	332.3	331.2	329.1	331.2	332.3	332.6	332.6	335.8
177.5°	344.7	343.0	344.2	344.2	343.9	341.9	343.9	344.2	344.2	343.0	344.7
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



TEST NUMBER: P1435756

CATALOG NUMBER: SQ2W-FA-K-025U-100D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1597.0	1597.0	1597.0	1597.0
2.5°	1578.8	1587.1	1587.1	1587.1
5°	1520.7	1555.7	1564.0	1572.2
7.5°	1405.5	1483.7	1520.5	1557.4
10°	1324.6	1398.9	1473.2	1547.5
12.5°	1255.3	1322.4	1427.5	1532.6
15°	1198.8	1255.2	1373.5	1491.8
17.5°	1157.1	1193.4	1317.2	1441.0
20°	1147.2	1163.7	1287.5	1411.3
22.5°	1129.0	1128.5	1250.1	1371.7
25°	1097.7	1079.1	1186.4	1293.7
27.5°	1059.7	1028.9	1113.6	1198.4
30°	1031.7	995.9	1067.4	1138.9
32.5°	998.6	961.2	1012.9	1064.7
35°	953.2	909.2	931.2	953.2
37.5°	909.5	856.1	849.0	841.8
40°	874.8	817.1	792.3	767.5
42.5°	841.8	781.9	754.9	727.9
45°	790.2	732.5	716.0	699.5
47.5°	739.5	680.3	668.2	656.1
50°	701.5	639.6	623.1	606.6
52.5°	658.6	591.8	581.9	571.9
55°	590.1	522.0	530.3	538.5
57.5°	520.0	446.2	453.4	460.5
60°	470.4	393.4	407.2	420.9
62.5°	432.5	357.6	367.0	376.3
65°	381.7	314.3	308.8	303.3
67.5°	334.7	274.0	255.8	237.7
70°	303.3	247.6	222.8	198.1
72.5°	268.6	222.8	198.1	173.3
75°	214.6	179.5	154.7	130.0
77.5°	159.3	134.8	114.4	94.1
80°	119.7	101.8	88.0	74.3
82.5°	85.0	72.6	61.1	49.5
85°	41.3	35.8	30.3	24.8
87.5°	11.2	10.1	7.6	5.2
90°	6.4	3.9	2.5	1.1
92.5°	13.7	9.6	6.7	3.9
95°	27.6	22.0	15.6	11.0
97.5°	44.0	34.9	28.6	21.0
100°	52.8	43.9	37.9	29.8
102.5°	62.4	55.0	46.7	38.5
105°	79.7	70.5	60.9	51.7
107.5°	95.7	85.6	74.1	65.8
110°	105.9	94.9	82.9	75.4



TEST NUMBER: P1435756

CATALOG NUMBER: SQ2W-FA-K-025U-100D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	115.8	104.6	92.2	84.8
115°	129.3	116.9	105.6	99.2
117.5°	142.3	129.5	117.5	112.5
120°	150.2	137.4	125.7	121.9
122.5°	156.7	144.2	133.4	131.8
125°	166.5	153.7	144.5	146.6
127.5°	174.4	162.7	156.9	161.7
130°	179.2	169.0	165.4	172.2
132.5°	183.5	175.5	173.9	183.2
135°	189.9	185.3	186.7	199.4
137.5°	197.4	195.7	200.4	216.5
140°	202.3	203.3	210.1	228.1
142.5°	208.8	211.3	220.0	239.2
145°	218.9	224.2	235.6	254.7
147.5°	230.4	237.3	251.3	270.9
150°	238.0	246.9	261.8	280.5
152.5°	246.8	256.0	270.8	289.9
155°	260.4	270.6	286.2	302.5
157.5°	274.2	284.7	299.5	313.8
160°	282.7	294.0	307.5	320.6
162.5°	292.3	302.8	314.6	326.2
165°	306.4	314.9	324.5	334.4
167.5°	318.2	325.3	332.8	340.6
170°	325.9	331.6	337.9	344.0
172.5°	332.4	336.9	341.6	346.8
175°	341.1	343.6	346.4	349.6
177.5°	347.8	348.7	349.5	351.0
180°	350.7	350.7	350.7	350.7

TEST NUMBER: P1435756  
 CATALOG NUMBER: SQ2W-FA-K-025U-100D-L940-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	20.05	21.25	20.70	21.92	22.70	21.25	22.45	21.90	23.12	23.90
	3H	21.16	22.24	21.83	22.92	23.74	22.52	23.60	23.18	24.28	25.09
	4H	21.53	22.55	22.22	23.24	24.07	22.92	23.94	23.61	24.63	25.46
	6H	21.71	22.65	22.41	23.35	24.19	23.10	24.04	23.80	24.74	25.58
	8H	21.75	22.65	22.47	23.37	24.21	23.13	24.03	23.85	24.75	25.60
	12H	21.76	22.62	22.48	23.33	24.20	23.13	23.99	23.85	24.70	25.57
4H	2H	20.96	21.98	21.65	22.67	23.49	21.87	22.89	22.56	23.58	24.41
	3H	22.38	23.23	23.08	23.96	24.80	23.37	24.22	24.07	24.95	25.79
	4H	22.85	23.62	23.57	24.35	25.22	23.86	24.63	24.58	25.36	26.23
	6H	23.09	23.76	23.83	24.52	25.40	24.10	24.77	24.84	25.52	26.40
	8H	23.16	23.78	23.90	24.54	25.43	24.15	24.78	24.90	25.53	26.43
	12H	23.18	23.74	23.94	24.52	25.42	24.16	24.72	24.92	25.50	26.40
8H	4H	23.26	23.88	24.00	24.63	25.53	24.08	24.70	24.82	25.46	26.35
	6H	23.62	24.14	24.40	24.93	25.83	24.41	24.92	25.18	25.72	26.62
	8H	23.74	24.20	24.53	25.00	25.91	24.51	24.97	25.29	25.76	26.67
	12H	23.80	24.20	24.58	24.99	25.96	24.54	24.94	25.33	25.73	26.70
12H	4H	23.28	23.84	24.04	24.61	25.51	24.06	24.62	24.83	25.40	26.30
	6H	23.69	24.15	24.48	24.95	25.86	24.43	24.89	25.22	25.69	26.60
	8H	23.86	24.26	24.65	25.05	26.02	24.56	24.96	25.35	25.75	26.72