

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: P1435804

Luminaire Tested: SQ2W-FA-K-075U-100D-L940-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2019
Report Number: P1435804
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-075U-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 750 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

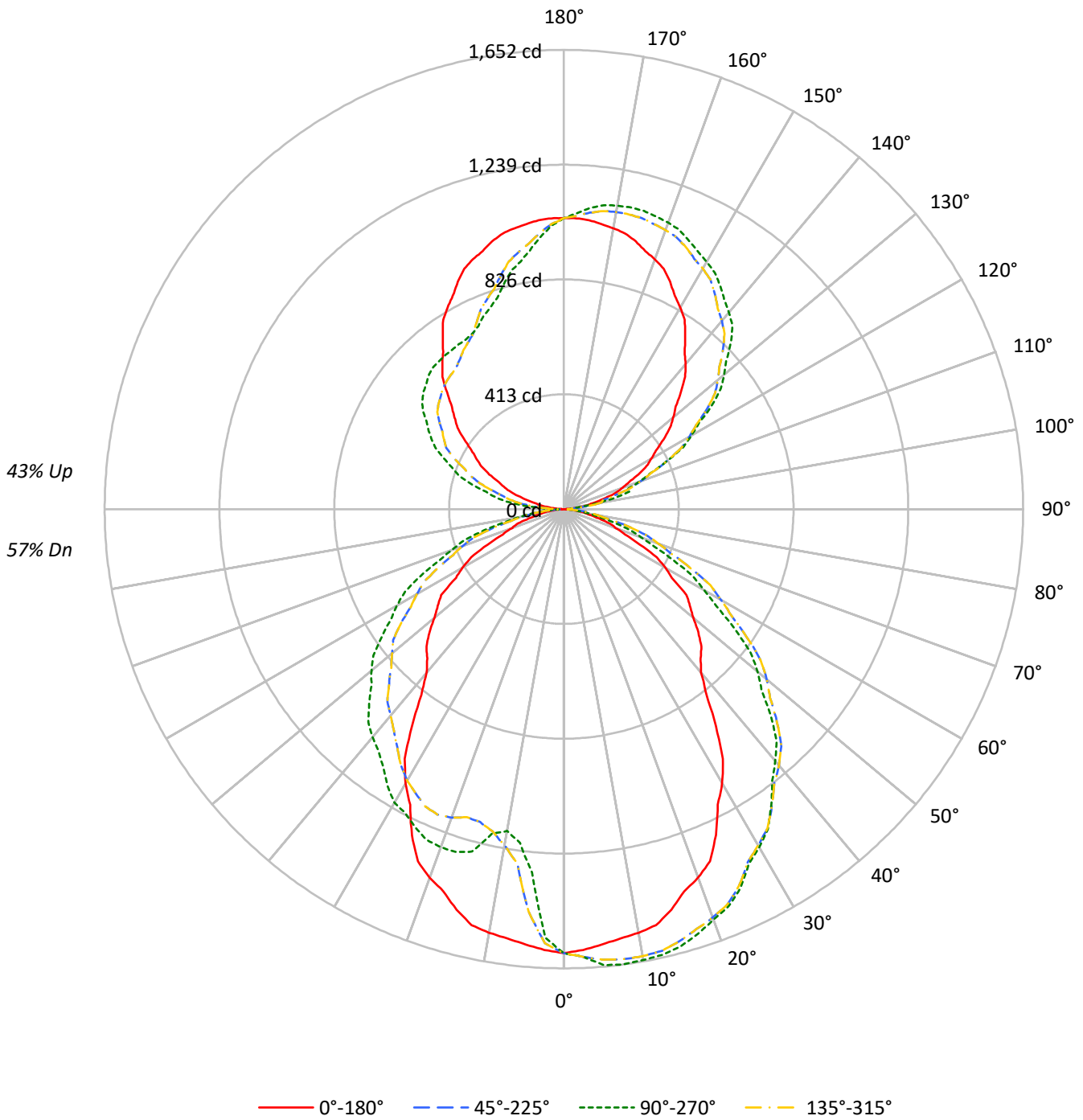
Lumens per Lamp: N/A
Luminaire Lumens: 7024.8 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 61.2
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: SQ2W-FA-K-075U-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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	57				57
1	99	95	91	88	92	89	85	82	76	74	72	65	64	62	55	54	53				48	
2	91	83	77	72	84	78	72	68	67	63	60	57	54	52	49	46	44				40	
3	83	73	66	60	77	68	62	56	59	54	50	51	47	44	43	40	38				34	
4	76	65	57	51	70	61	53	48	53	47	43	45	41	38	38	35	33				29	
5	69	58	49	43	64	54	47	41	47	41	37	41	36	33	35	31	28				25	
6	64	52	44	38	59	49	41	36	42	37	32	37	32	29	31	28	25				22	
7	59	47	39	33	55	44	37	31	38	33	28	33	29	25	29	25	22				20	
8	55	42	35	29	51	40	33	28	35	29	25	31	26	23	26	23	20				18	
9	51	39	31	26	48	37	30	25	32	27	23	28	24	20	24	21	18				16	
10	48	36	28	23	44	34	27	22	30	24	20	26	21	18	23	19	16				14	

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	2.0
10°-20°	401.5	5.7
20°-30°	609.7	8.7
30°-40°	715.9	10.2
40°-50°	726.5	10.3
50°-60°	636.3	9.1
60°-70°	451.3	6.4
70°-80°	232.4	3.3
80°-90°	53.1	0.8
90°-100°	83.3	1.2
100°-110°	242.8	3.5
110°-120°	396.2	5.6
120°-130°	502.8	7.2
130°-140°	538.0	7.7
140°-150°	502.4	7.2
150°-160°	413.4	5.9
160°-170°	277.2	3.9
170°-180°	98.4	1.4
0°-30°	1154.9	16.4
0°-40°	1870.8	26.6
0°-60°	3233.6	46.0
0°-90°	3970.3	56.5
90°-120°	722.3	10.3
90°-150°	2265.4	32.2
90°-180°	3054.0	43.5
0°-180°	7024.8	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°	3	23	3	45	3	3
95°	33	24	33	143	33	40
105°	154	247	154	340	154	164
115°	296	410	296	505	296	292
125°	438	650	438	619	438	391
135°	595	851	595	686	595	460
145°	760	981	760	701	760	475
155°	902	1065	902	727	902	415
165°	998	1111	998	837	998	281
175°	1043	1087	1043	982	1043	99
180°	1046	1046	1046	1046	1046	



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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°	5.6	6.4	7.5	10.0	12.8	13.0	10.8	9.4	9.6	9.6	9.6
90°	3.2	7.4	12.7	16.9	20.1	21.1	21.1	22.2	23.2	23.2	23.2
92.5°	11.6	18.4	18.6	18.6	22.6	24.5	26.2	26.4	27.5	27.5	27.5
95°	32.8	35.9	53.9	52.8	35.9	28.5	24.3	24.3	24.3	24.3	24.3
97.5°	62.6	67.2	70.2	94.0	99.3	95.9	78.2	65.7	58.8	55.6	58.8
100°	88.8	90.9	97.2	98.3	124.7	150.0	137.4	121.5	116.2	113.1	116.2
102.5°	115.0	116.2	126.0	130.4	136.5	150.9	194.9	190.0	186.4	185.8	186.4
105°	154.3	155.3	173.3	181.7	186.0	186.0	184.9	206.1	239.9	247.3	239.9
107.5°	196.3	201.2	222.3	244.9	249.8	251.1	245.6	242.4	241.1	242.0	241.1
110°	225.1	232.5	257.8	286.4	293.8	295.9	293.8	290.6	288.5	288.5	288.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	253.0	263.7	292.5	325.2	337.7	344.1	339.4	337.1	335.0	336.7	335.0
115°	295.9	311.7	349.8	383.6	408.9	412.1	411.0	411.0	410.0	410.0	410.0
117.5°	335.6	361.0	403.7	443.0	472.3	480.8	485.0	483.7	482.5	484.6	482.5
120°	363.5	393.1	441.7	486.1	514.6	527.3	531.5	529.4	531.5	529.4	531.5
122.5°	393.1	429.4	477.2	523.3	556.9	571.2	576.3	576.7	577.2	575.9	577.2
125°	437.5	481.8	537.8	585.4	620.3	637.2	641.4	642.5	644.6	649.9	644.6
127.5°	482.3	532.6	594.1	639.9	675.6	696.1	702.7	705.0	709.5	711.8	709.5
130°	513.5	570.6	632.9	676.3	711.1	733.3	745.0	748.1	753.4	752.4	753.4
132.5°	546.5	606.1	669.3	714.3	746.6	770.5	780.5	789.5	791.5	792.9	791.5
135°	594.9	659.4	722.8	767.1	797.8	821.0	833.7	842.2	847.5	850.6	847.5
137.5°	645.8	713.9	774.8	814.3	845.1	865.2	879.6	888.5	893.9	896.5	893.9
140°	680.5	746.0	805.2	846.4	873.9	893.9	906.6	917.2	923.5	923.5	923.5
142.5°	713.5	778.1	835.6	876.8	900.9	919.3	932.8	940.9	948.0	948.0	948.0
145°	759.7	824.2	877.0	918.3	938.3	955.2	970.0	976.4	980.6	980.6	980.6
147.5°	808.1	865.2	913.4	952.9	969.8	989.7	1001.3	1006.4	1011.7	1009.3	1011.7
150°	836.9	889.7	936.2	973.2	990.1	1009.1	1020.7	1025.0	1030.3	1027.1	1030.3
152.5°	864.8	915.1	957.3	991.8	1006.2	1025.2	1038.5	1042.7	1046.3	1044.0	1046.3
155°	902.4	946.8	985.9	1017.6	1030.3	1048.2	1060.9	1066.2	1070.4	1065.1	1070.4
157.5°	936.0	974.3	1008.3	1037.4	1051.0	1066.4	1078.2	1084.8	1089.0	1086.7	1089.0
160°	956.3	991.2	1021.8	1049.3	1062.0	1075.7	1088.4	1095.8	1100.0	1096.8	1100.0
162.5°	973.2	1004.7	1033.6	1058.6	1069.6	1081.6	1096.8	1103.4	1107.6	1103.6	1107.6
165°	997.5	1022.9	1048.2	1069.4	1078.9	1088.4	1104.2	1111.6	1114.8	1110.6	1114.8
167.5°	1015.9	1035.3	1055.8	1074.0	1081.0	1090.3	1106.1	1112.3	1116.3	1111.0	1116.3
170°	1026.0	1042.9	1060.9	1075.7	1081.0	1089.4	1105.3	1110.6	1113.7	1108.5	1113.7
172.5°	1034.5	1047.2	1061.7	1074.9	1077.6	1084.4	1099.4	1104.6	1107.0	1102.5	1107.0
175°	1042.9	1050.3	1060.9	1069.4	1068.3	1072.5	1085.2	1089.4	1093.7	1087.3	1093.7
177.5°	1047.0	1050.3	1053.7	1058.8	1055.4	1055.4	1064.7	1067.2	1068.1	1064.7	1068.1
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



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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°	9.4	10.8	13.0	12.8	10.0	7.5	6.4	5.6	8.6	11.7	13.7
90°	22.2	21.1	21.1	20.1	16.9	12.7	7.4	3.2	7.4	11.6	19.0
92.5°	26.4	26.2	24.5	22.6	18.6	18.6	18.4	11.6	20.1	28.5	41.0
95°	24.3	24.3	28.5	35.9	52.8	53.9	35.9	32.8	46.5	65.5	82.4
97.5°	65.7	78.2	95.9	99.3	94.0	70.2	67.2	62.6	85.2	104.0	131.2
100°	121.5	137.4	150.0	124.7	98.3	97.2	90.9	88.8	113.1	131.0	157.4
102.5°	190.0	194.9	150.9	136.5	130.4	126.0	116.2	115.0	139.3	164.0	186.2
105°	206.1	184.9	186.0	186.0	181.7	173.3	155.3	154.3	181.7	210.3	237.8
107.5°	242.4	245.6	251.1	249.8	244.9	222.3	201.2	196.3	221.1	255.3	285.5
110°	290.6	293.8	295.9	293.8	286.4	257.8	232.5	225.1	247.3	283.2	315.9



TEST NUMBER: P1435804

CATALOG NUMBER: SQ2W-FA-K-075U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	337.1	339.4	344.1	337.7	325.2	292.5	263.7	253.0	275.2	311.9	345.5
115°	411.0	411.0	412.1	408.9	383.6	349.8	311.7	295.9	314.9	348.7	385.7
117.5°	483.7	485.0	480.8	472.3	443.0	403.7	361.0	335.6	350.6	386.3	424.4
120°	529.4	531.5	527.3	514.6	486.1	441.7	393.1	363.5	375.1	410.0	448.0
122.5°	576.7	576.3	571.2	556.9	523.3	477.2	429.4	393.1	397.9	430.3	467.5
125°	642.5	641.4	637.2	620.3	585.4	537.8	481.8	437.5	431.1	458.6	496.6
127.5°	705.0	702.7	696.1	675.6	639.9	594.1	532.6	482.3	468.1	485.4	520.3
130°	748.1	745.0	733.3	711.1	676.3	632.9	570.6	513.5	493.5	504.0	534.7
132.5°	789.5	780.5	770.5	746.6	714.3	669.3	606.1	546.5	518.8	523.5	547.4
135°	842.2	833.7	821.0	797.8	767.1	722.8	659.4	594.9	556.9	552.6	566.4
137.5°	888.5	879.6	865.2	845.1	814.3	774.8	713.9	645.8	597.9	583.7	589.0
140°	917.2	906.6	893.9	873.9	846.4	805.2	746.0	680.5	626.6	606.5	603.4
142.5°	940.9	932.8	919.3	900.9	876.8	835.6	778.1	713.5	656.2	630.2	622.8
145°	976.4	970.0	955.2	938.3	918.3	877.0	824.2	759.7	702.7	668.9	653.0
147.5°	1006.4	1001.3	989.7	969.8	952.9	913.4	865.2	808.1	749.6	707.8	687.3
150°	1025.0	1020.7	1009.1	990.1	973.2	936.2	889.7	836.9	780.9	736.5	710.1
152.5°	1042.7	1038.5	1025.2	1006.2	991.8	957.3	915.1	864.8	807.9	763.6	736.3
155°	1066.2	1060.9	1048.2	1030.3	1017.6	985.9	946.8	902.4	853.8	807.3	776.7
157.5°	1084.8	1078.2	1066.4	1051.0	1037.4	1008.3	974.3	936.0	893.5	849.1	817.9
160°	1095.8	1088.4	1075.7	1062.0	1049.3	1021.8	991.2	956.3	917.2	877.0	843.2
162.5°	1103.4	1096.8	1081.6	1069.6	1058.6	1033.6	1004.7	973.2	938.3	903.2	872.0
165°	1111.6	1104.2	1088.4	1078.9	1069.4	1048.2	1022.9	997.5	967.9	939.4	914.0
167.5°	1112.3	1106.1	1090.3	1081.0	1074.0	1055.8	1035.3	1015.9	992.9	970.5	949.3
170°	1110.6	1105.3	1089.4	1081.0	1075.7	1060.9	1042.9	1026.0	1008.1	989.0	972.1
172.5°	1104.6	1099.4	1084.4	1077.6	1074.9	1061.7	1047.2	1034.5	1019.1	1005.1	991.6
175°	1089.4	1085.2	1072.5	1068.3	1069.4	1060.9	1050.3	1042.9	1033.4	1025.0	1017.6
177.5°	1067.2	1064.7	1055.4	1055.4	1058.8	1053.7	1050.3	1047.0	1042.7	1040.2	1037.7
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1435804

CATALOG NUMBER: SQ2W-FA-K-075U-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°	14.8	16.2	17.7	18.6	19.4	19.0	19.4	18.6	17.7	16.2	14.8
90°	24.3	31.7	39.1	43.3	47.6	45.4	47.6	43.3	39.1	31.7	24.3
92.5°	48.8	61.3	70.4	78.0	81.4	80.9	81.4	78.0	70.4	61.3	48.8
95°	98.3	113.1	127.9	138.4	144.8	142.7	144.8	138.4	127.9	113.1	98.3
97.5°	151.5	171.4	187.9	197.8	204.1	208.4	204.1	197.8	187.9	171.4	151.5
100°	187.0	206.1	225.1	236.7	247.3	251.5	247.3	236.7	225.1	206.1	187.0
102.5°	215.8	240.7	261.4	273.9	282.8	287.0	282.8	273.9	261.4	240.7	215.8
105°	263.1	289.5	311.7	327.6	337.1	340.2	337.1	327.6	311.7	289.5	263.1
107.5°	310.5	337.7	358.2	375.8	387.4	394.1	387.4	375.8	358.2	337.7	310.5
110°	347.6	369.8	392.0	407.9	419.5	423.7	419.5	407.9	392.0	369.8	347.6



TEST NUMBER: P1435804

CATALOG NUMBER: SQ2W-FA-K-075U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	378.9	403.7	425.8	441.7	455.0	460.9	455.0	441.7	425.8	403.7	378.9
115°	422.7	455.4	475.5	490.3	499.8	505.1	499.8	490.3	475.5	455.4	422.7
117.5°	459.0	493.3	515.2	526.6	531.1	534.9	531.1	526.6	515.2	493.3	459.0
120°	481.8	513.5	538.9	553.7	559.0	561.1	559.0	553.7	538.9	513.5	481.8
122.5°	503.0	533.0	557.5	575.7	584.3	586.5	584.3	575.7	557.5	533.0	503.0
125°	532.6	561.1	586.5	604.4	613.9	619.2	613.9	604.4	586.5	561.1	532.6
127.5°	558.3	589.2	612.4	628.7	638.0	642.2	638.0	628.7	612.4	589.2	558.3
130°	572.7	604.4	627.7	645.6	654.1	658.3	654.1	645.6	627.7	604.4	572.7
132.5°	583.7	617.1	641.2	657.5	666.8	671.0	666.8	657.5	641.2	617.1	583.7
135°	597.0	631.9	657.3	673.1	681.6	685.8	681.6	673.1	657.3	631.9	597.0
137.5°	608.6	640.3	666.8	683.5	691.1	693.8	691.1	683.5	666.8	640.3	608.6
140°	617.1	644.6	671.0	686.8	695.3	696.3	695.3	686.8	671.0	644.6	617.1
142.5°	628.1	649.6	672.7	688.5	697.0	698.9	697.0	688.5	672.7	649.6	628.1
145°	647.7	660.4	676.3	691.1	698.5	700.6	698.5	691.1	676.3	660.4	647.7
147.5°	672.5	676.5	684.7	694.4	701.6	703.1	701.6	694.4	684.7	676.5	672.5
150°	691.1	690.0	693.2	699.5	705.9	704.8	705.9	699.5	693.2	690.0	691.1
152.5°	712.2	706.1	705.9	708.8	711.8	711.6	711.8	708.8	705.9	706.1	712.2
155°	748.1	736.5	730.2	728.0	728.0	727.0	728.0	728.0	730.2	736.5	748.1
157.5°	787.6	771.4	761.9	756.8	755.3	753.0	755.3	756.8	761.9	771.4	787.6
160°	814.7	796.7	787.2	778.8	775.6	772.4	775.6	778.8	787.2	796.7	814.7
162.5°	840.1	822.9	812.6	805.0	801.8	796.9	801.8	805.0	812.6	822.9	840.1
165°	881.3	863.3	851.7	845.3	841.1	836.9	841.1	845.3	851.7	863.3	881.3
167.5°	922.5	902.8	895.2	888.0	884.0	876.4	884.0	888.0	895.2	902.8	922.5
170°	947.8	929.9	925.6	919.3	911.9	903.5	911.9	919.3	925.6	929.9	947.8
172.5°	969.8	957.8	953.5	947.2	944.9	938.1	944.9	947.2	953.5	957.8	969.8
175°	1001.7	992.2	992.2	991.2	988.0	981.7	988.0	991.2	992.2	992.2	1001.7
177.5°	1028.4	1023.3	1026.7	1026.7	1025.8	1019.9	1025.8	1026.7	1026.7	1023.3	1028.4
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1435804

CATALOG NUMBER: SQ2W-FA-K-075U-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°	13.7	11.7	8.6	5.6
90°	19.0	11.6	7.4	3.2
92.5°	41.0	28.5	20.1	11.6
95°	82.4	65.5	46.5	32.8
97.5°	131.2	104.0	85.2	62.6
100°	157.4	131.0	113.1	88.8
102.5°	186.2	164.0	139.3	115.0
105°	237.8	210.3	181.7	154.3
107.5°	285.5	255.3	221.1	196.3
110°	315.9	283.2	247.3	225.1



TEST NUMBER: P1435804

CATALOG NUMBER: SQ2W-FA-K-075U-100D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	345.5	311.9	275.2	253.0
115°	385.7	348.7	314.9	295.9
117.5°	424.4	386.3	350.6	335.6
120°	448.0	410.0	375.1	363.5
122.5°	467.5	430.3	397.9	393.1
125°	496.6	458.6	431.1	437.5
127.5°	520.3	485.4	468.1	482.3
130°	534.7	504.0	493.5	513.5
132.5°	547.4	523.5	518.8	546.5
135°	566.4	552.6	556.9	594.9
137.5°	589.0	583.7	597.9	645.8
140°	603.4	606.5	626.6	680.5
142.5°	622.8	630.2	656.2	713.5
145°	653.0	668.9	702.7	759.7
147.5°	687.3	707.8	749.6	808.1
150°	710.1	736.5	780.9	836.9
152.5°	736.3	763.6	807.9	864.8
155°	776.7	807.3	853.8	902.4
157.5°	817.9	849.1	893.5	936.0
160°	843.2	877.0	917.2	956.3
162.5°	872.0	903.2	938.3	973.2
165°	914.0	939.4	967.9	997.5
167.5°	949.3	970.5	992.9	1015.9
170°	972.1	989.0	1008.1	1026.0
172.5°	991.6	1005.1	1019.1	1034.5
175°	1017.6	1025.0	1033.4	1042.9
177.5°	1037.7	1040.2	1042.7	1047.0
180°	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1435804
 CATALOG NUMBER: SQ2W-FA-K-075U-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	18.25	19.17	19.15	20.09	21.27	19.45	20.37	20.35	21.29	22.46
	3H	19.34	20.17	20.25	21.10	22.30	20.70	21.52	21.61	22.45	23.65
	4H	19.70	20.48	20.62	21.41	22.62	21.09	21.87	22.02	22.80	24.01
	6H	19.86	20.58	20.80	21.52	22.74	21.25	21.97	22.19	22.91	24.13
	8H	19.90	20.58	20.84	21.54	22.76	21.28	21.96	22.23	22.92	24.14
	12H	19.90	20.55	20.85	21.50	22.75	21.27	21.92	22.22	22.87	24.11
4H	2H	19.13	19.91	20.06	20.84	22.05	20.04	20.82	20.97	21.75	22.96
	3H	20.52	21.17	21.46	22.13	23.36	21.51	22.16	22.45	23.12	24.35
	4H	20.98	21.57	21.93	22.53	23.78	21.99	22.58	22.94	23.54	24.79
	6H	21.21	21.72	22.18	22.70	23.95	22.21	22.72	23.18	23.71	24.95
	8H	21.27	21.75	22.24	22.72	23.98	22.26	22.74	23.23	23.72	24.98
	12H	21.27	21.70	22.26	22.70	23.96	22.25	22.68	23.24	23.68	24.95
8H	4H	21.37	21.84	22.33	22.82	24.08	22.19	22.67	23.16	23.64	24.90
	6H	21.72	22.11	22.71	23.13	24.39	22.50	22.90	23.50	23.92	25.18
	8H	21.84	22.18	22.84	23.19	24.47	22.60	22.95	23.60	23.95	25.23
	12H	21.88	22.18	22.88	23.18	24.51	22.62	22.92	23.62	23.92	25.25
12H	4H	21.37	21.80	22.36	22.79	24.06	22.16	22.59	23.15	23.58	24.85
	6H	21.79	22.14	22.79	23.14	24.42	22.52	22.87	23.53	23.88	25.16
	8H	21.94	22.24	22.94	23.24	24.57	22.64	22.95	23.65	23.95	25.27