

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: P1435751

Luminaire Tested: SQ2W-FA-K-025U-100D-L830-UNV-STD-W-WM-4

Issue Date: 3/24/2026

Test Information

Test Method: LM-79-2024
Report Number: P1435751
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-L830-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

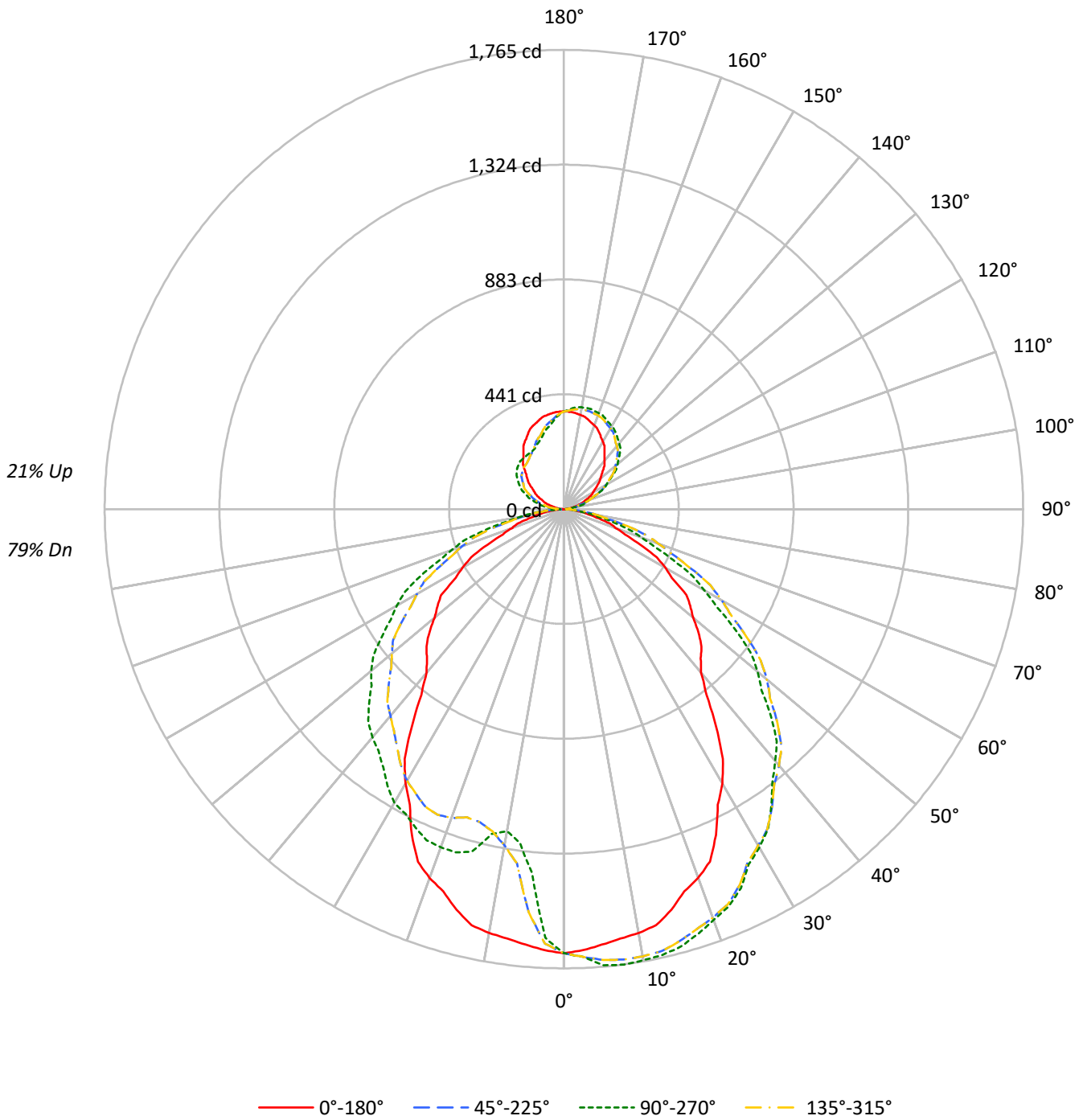
Lumens per Lamp: N/A
Luminaire Lumens: 5335.3 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.23 / 1.34
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 45.1
Input Voltage (V): 120
Input Current (A_{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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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°	27560	27560	27560	27560
5°	27238	28525	27238	22734
10°	27118	28855	27118	20610
15°	26652	29086	26652	22783
20°	25919	28876	25919	23759
25°	24634	28642	24634	24044
30°	22696	28000	22696	24300
35°	20083	27385	20083	23865
40°	17291	26634	17291	24124
45°	17070	25683	17070	24171
50°	16287	24430	16287	24264
55°	16203	22536	16203	24025
60°	14528	20082	14528	23928
65°	12386	17692	12386	23255
70°	9994	14993	9994	21550
75°	8665	12383	8665	19812
80°	7382	9223	7382	15992
85°	4909	4909	4909	9800

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 26489 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.6	2.9
10°-20°	429.2	8.0
20°-30°	651.8	12.2
30°-40°	765.2	14.3
40°-50°	776.5	14.6
50°-60°	680.2	12.7
60°-70°	482.4	9.0
70°-80°	248.4	4.7
80°-90°	53.6	1.0
90°-100°	29.8	0.6
100°-110°	87.0	1.6
110°-120°	142.0	2.7
120°-130°	180.2	3.4
130°-140°	192.8	3.6
140°-150°	180.0	3.4
150°-160°	148.1	2.8
160°-170°	99.3	1.9
170°-180°	35.3	0.7
0°-30°	1234.5	23.1
0°-40°	1999.7	37.5
0°-60°	3456.4	64.8
0°-90°	4240.8	79.5
90°-120°	258.8	4.9
90°-150°	811.7	15.2
90°-180°	1094.0	20.5
0°-180°	5335.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1707	1707	1707	1707	1707	
5°	1681	1760	1681	1403	1681	160
15°	1594	1740	1594	1363	1594	448
25°	1383	1608	1383	1350	1383	631
35°	1019	1389	1019	1211	1019	635
45°	748	1125	748	1059	748	572
55°	576	801	576	854	576	498
65°	324	463	324	609	324	324
75°	139	198	139	318	139	150
85°	26	26	26	53	26	33
90°	1	8	1	16	1	2
95°	12	9	12	51	12	14
105°	55	89	55	122	55	59
115°	106	147	106	181	106	104
125°	157	233	157	222	157	140
135°	213	305	213	246	213	165
145°	272	351	272	251	272	170
155°	323	382	323	260	323	149
165°	357	398	357	300	357	101
175°	374	390	374	352	374	35
180°	375	375	375	375	375	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0
2.5°	1696.4	1708.2	1720.0	1722.9	1722.9	1722.9	1722.9	1722.9	1722.9	1722.9	1722.9
5°	1680.6	1701.1	1721.7	1731.3	1737.2	1741.6	1744.5	1748.2	1754.1	1760.0	1754.1
7.5°	1664.7	1692.3	1720.0	1733.5	1742.3	1749.4	1754.7	1759.4	1762.3	1765.2	1762.3
10°	1654.1	1686.4	1718.8	1733.5	1742.3	1748.2	1751.1	1754.1	1757.0	1760.0	1757.0
12.5°	1638.2	1672.9	1707.6	1724.7	1735.8	1742.9	1745.8	1748.8	1751.7	1754.7	1751.7
15°	1594.5	1641.6	1688.6	1707.0	1715.8	1723.2	1729.1	1734.2	1737.2	1740.1	1737.2
17.5°	1540.3	1597.3	1654.4	1677.5	1689.2	1697.8	1703.1	1707.6	1710.0	1712.3	1710.0
20°	1508.5	1570.3	1632.0	1656.3	1668.1	1675.4	1678.4	1680.6	1680.6	1680.6	1680.6
22.5°	1466.2	1535.0	1603.8	1629.8	1641.6	1647.8	1648.4	1649.4	1651.7	1654.1	1651.7
25°	1382.8	1462.2	1541.6	1574.7	1592.3	1599.7	1596.7	1596.0	1601.9	1607.8	1601.9
27.5°	1280.9	1380.9	1480.9	1514.7	1526.5	1533.8	1536.8	1539.0	1539.0	1539.0	1539.0
30°	1217.4	1329.2	1440.9	1477.7	1489.4	1496.8	1499.7	1501.9	1501.9	1501.9	1501.9
32.5°	1138.0	1270.9	1403.8	1444.1	1453.5	1458.5	1459.1	1459.6	1459.6	1459.6	1459.6
35°	1018.9	1180.7	1342.4	1387.2	1393.1	1396.1	1396.1	1395.3	1392.4	1389.4	1392.4
37.5°	899.8	1083.3	1266.8	1319.3	1328.1	1330.5	1326.4	1322.5	1319.6	1316.7	1319.6
40°	820.4	1020.4	1220.4	1277.0	1285.8	1285.8	1277.0	1269.6	1266.7	1263.7	1266.7
42.5°	778.1	975.7	1173.3	1229.3	1238.1	1237.0	1225.8	1216.7	1213.7	1210.8	1213.7
45°	747.6	924.1	1100.5	1151.2	1160.1	1158.6	1146.8	1136.5	1130.7	1124.8	1130.7
47.5°	701.3	856.6	1011.9	1061.7	1076.4	1074.9	1057.3	1042.6	1036.7	1030.8	1036.7
50°	648.4	801.3	954.2	1003.5	1018.2	1016.7	999.1	984.4	978.5	972.6	978.5
52.5°	611.4	754.9	898.4	943.5	955.8	952.0	932.0	915.6	909.7	903.8	909.7
55°	575.6	696.2	816.8	853.5	862.3	856.5	835.9	818.2	809.4	800.6	809.4
57.5°	492.3	606.9	721.6	757.4	766.8	759.7	736.2	716.0	706.0	696.0	706.0
60°	449.9	552.8	655.8	690.3	702.1	696.2	672.7	651.3	636.6	621.9	636.6
62.5°	402.3	493.4	584.6	619.7	636.2	632.7	609.1	587.8	573.1	558.4	573.1
65°	324.2	403.6	483.0	518.3	538.9	537.4	513.9	492.6	477.8	463.1	477.8
67.5°	254.1	322.3	390.5	425.2	448.7	447.6	421.7	399.3	387.6	375.8	387.6
70°	211.7	270.5	329.3	361.7	385.2	385.2	361.7	341.1	329.3	317.6	329.3
72.5°	185.3	230.0	274.7	305.2	331.1	331.1	305.2	283.5	274.1	264.7	274.1
75°	138.9	165.4	191.9	220.5	250.0	252.9	229.4	210.3	204.4	198.5	204.4
77.5°	100.6	112.9	125.3	147.8	173.6	176.6	156.6	141.0	138.6	136.3	138.6
80°	79.4	82.3	85.3	103.7	127.2	130.1	112.5	99.2	99.2	99.2	99.2
82.5°	52.9	55.9	58.8	71.9	88.4	90.1	77.2	66.9	64.5	62.2	64.5
85°	26.5	26.5	26.5	30.9	36.8	36.8	30.9	26.5	26.5	26.5	26.5
87.5°	5.5	5.8	6.2	8.3	10.8	10.9	8.6	6.9	7.0	7.0	7.0
90°	1.1	2.7	4.5	6.1	7.2	7.6	7.6	8.0	8.3	8.3	8.3
92.5°	4.2	6.6	6.7	6.7	8.1	8.8	9.4	9.5	9.8	9.8	9.8
95°	11.7	12.9	19.3	18.9	12.9	10.2	8.7	8.7	8.7	8.7	8.7
97.5°	22.4	24.1	25.1	33.7	35.6	34.4	28.0	23.6	21.1	19.9	21.1
100°	31.8	32.6	34.8	35.2	44.7	53.8	49.2	43.5	41.6	40.5	41.6
102.5°	41.2	41.6	45.1	46.7	48.9	54.1	69.8	68.1	66.8	66.6	66.8
105°	55.3	55.7	62.1	65.1	66.6	66.6	66.3	73.8	85.9	88.6	85.9
107.5°	70.3	72.1	79.7	87.8	89.5	90.0	88.0	86.9	86.4	86.7	86.4
110°	80.6	83.3	92.4	102.6	105.3	106.0	105.3	104.1	103.4	103.4	103.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	90.6	94.5	104.8	116.5	121.0	123.3	121.6	120.8	120.0	120.6	120.0
115°	106.0	111.7	125.3	137.4	146.5	147.7	147.3	147.3	146.9	146.9	146.9
117.5°	120.3	129.3	144.6	158.7	169.2	172.3	173.8	173.3	172.9	173.6	172.9
120°	130.2	140.8	158.3	174.2	184.4	188.9	190.4	189.7	190.4	189.7	190.4
122.5°	140.8	153.9	171.0	187.5	199.5	204.7	206.5	206.7	206.8	206.4	206.8
125°	156.8	172.7	192.7	209.8	222.3	228.3	229.8	230.2	231.0	232.9	231.0
127.5°	172.8	190.8	212.9	229.3	242.1	249.4	251.8	252.6	254.2	255.0	254.2
130°	184.0	204.5	226.8	242.3	254.8	262.8	266.9	268.1	270.0	269.6	270.0
132.5°	195.8	217.2	239.8	256.0	267.5	276.1	279.7	282.9	283.6	284.1	283.6
135°	213.2	236.3	259.0	274.9	285.9	294.2	298.7	301.8	303.7	304.8	303.7
137.5°	231.4	255.8	277.6	291.8	302.8	310.0	315.2	318.4	320.3	321.2	320.3
140°	243.8	267.3	288.5	303.3	313.1	320.3	324.9	328.6	330.9	330.9	330.9
142.5°	255.6	278.8	299.4	314.2	322.8	329.4	334.3	337.1	339.7	339.7	339.7
145°	272.2	295.3	314.3	329.0	336.2	342.3	347.6	349.9	351.4	351.4	351.4
147.5°	289.6	310.0	327.3	341.4	347.5	354.6	358.8	360.6	362.5	361.7	362.5
150°	299.9	318.8	335.5	348.7	354.8	361.6	365.8	367.3	369.2	368.0	369.2
152.5°	309.9	327.9	343.0	355.4	360.5	367.3	372.1	373.6	374.9	374.1	374.9
155°	323.3	339.3	353.3	364.6	369.2	375.6	380.1	382.0	383.6	381.7	383.6
157.5°	335.4	349.1	361.3	371.7	376.6	382.1	386.4	388.7	390.2	389.4	390.2
160°	342.7	355.2	366.1	376.0	380.5	385.4	390.0	392.6	394.2	393.0	394.2
162.5°	348.7	360.0	370.4	379.3	383.2	387.6	393.0	395.4	396.9	395.4	396.9
165°	357.4	366.5	375.6	383.2	386.6	390.0	395.7	398.3	399.5	397.9	399.5
167.5°	364.0	371.0	378.3	384.8	387.3	390.7	396.3	398.5	400.0	398.1	400.0
170°	367.6	373.7	380.1	385.4	387.3	390.4	396.0	397.9	399.1	397.2	399.1
172.5°	370.7	375.2	380.4	385.1	386.1	388.5	393.9	395.8	396.7	395.1	396.7
175°	373.7	376.4	380.1	383.2	382.8	384.3	388.9	390.4	391.9	389.6	391.9
177.5°	375.1	376.4	377.6	379.4	378.2	378.2	381.5	382.4	382.7	381.5	382.7
180°	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0
2.5°	1722.9	1722.9	1722.9	1722.9	1722.9	1720.0	1708.2	1696.4	1696.4	1696.4	1687.6
5°	1748.2	1744.5	1741.6	1737.2	1731.3	1721.7	1701.1	1680.6	1671.7	1662.9	1625.4
7.5°	1759.4	1754.7	1749.4	1742.3	1733.5	1720.0	1692.3	1664.7	1625.3	1585.9	1502.4
10°	1754.1	1751.1	1748.2	1742.3	1733.5	1718.8	1686.4	1654.1	1574.7	1495.3	1415.9
12.5°	1748.8	1745.8	1742.9	1735.8	1724.7	1707.6	1672.9	1638.2	1525.9	1413.5	1341.8
15°	1734.2	1729.1	1723.2	1715.8	1707.0	1688.6	1641.6	1594.5	1468.1	1341.7	1281.4
17.5°	1707.6	1703.1	1697.8	1689.2	1677.5	1654.4	1597.3	1540.3	1408.0	1275.6	1236.8
20°	1680.6	1678.4	1675.4	1668.1	1656.3	1632.0	1570.3	1508.5	1376.2	1243.9	1226.2
22.5°	1649.4	1648.4	1647.8	1641.6	1629.8	1603.8	1535.0	1466.2	1336.2	1206.2	1206.8
25°	1596.0	1596.7	1599.7	1592.3	1574.7	1541.6	1462.2	1382.8	1268.1	1153.5	1173.3
27.5°	1539.0	1536.8	1533.8	1526.5	1514.7	1480.9	1380.9	1280.9	1190.4	1099.8	1132.7
30°	1501.9	1499.7	1496.8	1489.4	1477.7	1440.9	1329.2	1217.4	1141.0	1064.5	1102.7
32.5°	1459.6	1459.1	1458.5	1453.5	1444.1	1403.8	1270.9	1138.0	1082.7	1027.4	1067.4
35°	1395.3	1396.1	1396.1	1393.1	1387.2	1342.4	1180.7	1018.9	995.4	971.9	1018.9
37.5°	1322.5	1326.4	1330.5	1328.1	1319.3	1266.8	1083.3	899.8	907.5	915.1	972.2
40°	1269.6	1277.0	1285.8	1285.8	1277.0	1220.4	1020.4	820.4	846.9	873.4	935.1
42.5°	1216.7	1225.8	1237.0	1238.1	1229.3	1173.3	975.7	778.1	806.9	835.7	899.8
45°	1136.5	1146.8	1158.6	1160.1	1151.2	1100.5	924.1	747.6	765.3	782.9	844.7
47.5°	1042.6	1057.3	1074.9	1076.4	1061.7	1011.9	856.6	701.3	714.3	727.2	790.4
50°	984.4	999.1	1016.7	1018.2	1003.5	954.2	801.3	648.4	666.0	683.7	749.9
52.5°	915.6	932.0	952.0	955.8	943.5	898.4	754.9	611.4	621.9	632.5	704.0
55°	818.2	835.9	856.5	862.3	853.5	816.8	696.2	575.6	566.8	558.0	630.8
57.5°	716.0	736.2	759.7	766.8	757.4	721.6	606.9	492.3	484.6	477.0	555.8
60°	651.3	672.7	696.2	702.1	690.3	655.8	552.8	449.9	435.2	420.5	502.8
62.5°	587.8	609.1	632.7	636.2	619.7	584.6	493.4	402.3	392.3	382.3	462.3
65°	492.6	513.9	537.4	538.9	518.3	483.0	403.6	324.2	330.1	336.0	408.0
67.5°	399.3	421.7	447.6	448.7	425.2	390.5	322.3	254.1	273.5	292.9	357.7
70°	341.1	361.7	385.2	385.2	361.7	329.3	270.5	211.7	238.2	264.7	324.2
72.5°	283.5	305.2	331.1	331.1	305.2	274.7	230.0	185.3	211.7	238.2	287.2
75°	210.3	229.4	252.9	250.0	220.5	191.9	165.4	138.9	165.4	191.9	229.4
77.5°	141.0	156.6	176.6	173.6	147.8	125.3	112.9	100.6	122.3	144.1	170.3
80°	99.2	112.5	130.1	127.2	103.7	85.3	82.3	79.4	94.1	108.8	127.9
82.5°	66.9	77.2	90.1	88.4	71.9	58.8	55.9	52.9	65.3	77.6	90.9
85°	26.5	30.9	36.8	36.8	30.9	26.5	26.5	26.5	32.3	38.2	44.1
87.5°	6.9	8.6	10.9	10.8	8.3	6.2	5.8	5.5	8.2	10.8	11.9
90°	8.0	7.6	7.6	7.2	6.1	4.5	2.7	1.1	2.7	4.2	6.8
92.5°	9.5	9.4	8.8	8.1	6.7	6.7	6.6	4.2	7.2	10.2	14.7
95°	8.7	8.7	10.2	12.9	18.9	19.3	12.9	11.7	16.7	23.5	29.5
97.5°	23.6	28.0	34.4	35.6	33.7	25.1	24.1	22.4	30.5	37.3	47.0
100°	43.5	49.2	53.8	44.7	35.2	34.8	32.6	31.8	40.5	46.9	56.4
102.5°	68.1	69.8	54.1	48.9	46.7	45.1	41.6	41.2	49.9	58.8	66.7
105°	73.8	66.3	66.6	66.6	65.1	62.1	55.7	55.3	65.1	75.3	85.2
107.5°	86.9	88.0	90.0	89.5	87.8	79.7	72.1	70.3	79.2	91.5	102.3
110°	104.1	105.3	106.0	105.3	102.6	92.4	83.3	80.6	88.6	101.5	113.2



TEST NUMBER: P1435751

CATALOG NUMBER: SQ2W-FA-K-025U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	120.8	121.6	123.3	121.0	116.5	104.8	94.5	90.6	98.6	111.8	123.8
115°	147.3	147.3	147.7	146.5	137.4	125.3	111.7	106.0	112.8	124.9	138.2
117.5°	173.3	173.8	172.3	169.2	158.7	144.6	129.3	120.3	125.6	138.4	152.1
120°	189.7	190.4	188.9	184.4	174.2	158.3	140.8	130.2	134.4	146.9	160.5
122.5°	206.7	206.5	204.7	199.5	187.5	171.0	153.9	140.8	142.6	154.2	167.5
125°	230.2	229.8	228.3	222.3	209.8	192.7	172.7	156.8	154.5	164.3	178.0
127.5°	252.6	251.8	249.4	242.1	229.3	212.9	190.8	172.8	167.7	173.9	186.4
130°	268.1	266.9	262.8	254.8	242.3	226.8	204.5	184.0	176.8	180.6	191.6
132.5°	282.9	279.7	276.1	267.5	256.0	239.8	217.2	195.8	185.9	187.6	196.1
135°	301.8	298.7	294.2	285.9	274.9	259.0	236.3	213.2	199.5	198.0	202.9
137.5°	318.4	315.2	310.0	302.8	291.8	277.6	255.8	231.4	214.2	209.2	211.0
140°	328.6	324.9	320.3	313.1	303.3	288.5	267.3	243.8	224.5	217.3	216.2
142.5°	337.1	334.3	329.4	322.8	314.2	299.4	278.8	255.6	235.1	225.8	223.2
145°	349.9	347.6	342.3	336.2	329.0	314.3	295.3	272.2	251.8	239.7	234.0
147.5°	360.6	358.8	354.6	347.5	341.4	327.3	310.0	289.6	268.6	253.6	246.3
150°	367.3	365.8	361.6	354.8	348.7	335.5	318.8	299.9	279.8	263.9	254.4
152.5°	373.6	372.1	367.3	360.5	355.4	343.0	327.9	309.9	289.5	273.6	263.8
155°	382.0	380.1	375.6	369.2	364.6	353.3	339.3	323.3	305.9	289.3	278.3
157.5°	388.7	386.4	382.1	376.6	371.7	361.3	349.1	335.4	320.2	304.3	293.1
160°	392.6	390.0	385.4	380.5	376.0	366.1	355.2	342.7	328.6	314.3	302.1
162.5°	395.4	393.0	387.6	383.2	379.3	370.4	360.0	348.7	336.2	323.7	312.4
165°	398.3	395.7	390.0	386.6	383.2	375.6	366.5	357.4	346.8	336.6	327.5
167.5°	398.5	396.3	390.7	387.3	384.8	378.3	371.0	364.0	355.8	347.7	340.2
170°	397.9	396.0	390.4	387.3	385.4	380.1	373.7	367.6	361.2	354.4	348.3
172.5°	395.8	393.9	388.5	386.1	385.1	380.4	375.2	370.7	365.1	360.2	355.3
175°	390.4	388.9	384.3	382.8	383.2	380.1	376.4	373.7	370.3	367.3	364.6
177.5°	382.4	381.5	378.2	378.2	379.4	377.6	376.4	375.1	373.6	372.7	371.8
180°	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8

TEST NUMBER: P1435751

CATALOG NUMBER: SQ2W-FA-K-025U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0	1707.0
2.5°	1675.9	1666.4	1659.4	1653.5	1651.1	1648.8	1651.1	1653.5	1659.4	1666.4	1675.9
5°	1578.4	1528.4	1475.4	1432.1	1417.4	1402.7	1417.4	1432.1	1475.4	1528.4	1578.4
7.5°	1404.1	1343.9	1321.5	1303.6	1298.9	1294.2	1298.9	1303.6	1321.5	1343.9	1404.1
10°	1336.5	1288.0	1270.3	1257.1	1257.1	1257.1	1257.1	1257.1	1270.3	1288.0	1336.5
12.5°	1283.6	1253.9	1252.7	1254.8	1266.5	1278.3	1266.5	1254.8	1252.7	1253.9	1283.6
15°	1243.1	1247.6	1294.6	1333.6	1348.3	1363.0	1348.3	1333.6	1294.6	1247.6	1243.1
17.5°	1229.2	1254.5	1312.7	1359.3	1371.1	1382.8	1371.1	1359.3	1312.7	1254.5	1229.2
20°	1246.8	1279.2	1323.3	1359.3	1371.1	1382.8	1371.1	1359.3	1323.3	1279.2	1246.8
22.5°	1250.9	1290.3	1325.0	1354.0	1365.8	1377.5	1365.8	1354.0	1325.0	1290.3	1250.9
25°	1238.0	1285.0	1314.5	1338.0	1343.9	1349.7	1343.9	1338.0	1314.5	1285.0	1238.0
27.5°	1206.8	1258.6	1288.0	1311.1	1315.2	1319.3	1315.2	1311.1	1288.0	1258.6	1206.8
30°	1179.2	1232.1	1261.5	1285.8	1294.6	1303.4	1294.6	1285.8	1261.5	1232.1	1179.2
32.5°	1139.2	1193.3	1229.8	1257.5	1259.3	1261.1	1259.3	1257.5	1229.8	1193.3	1139.2
35°	1089.5	1145.4	1186.5	1216.7	1213.7	1210.8	1213.7	1216.7	1186.5	1145.4	1089.5
37.5°	1045.7	1100.4	1136.2	1164.0	1167.6	1171.1	1167.6	1164.0	1136.2	1100.4	1045.7
40°	1008.6	1064.5	1102.7	1132.9	1138.7	1144.6	1138.7	1132.9	1102.7	1064.5	1008.6
42.5°	975.7	1032.7	1071.0	1101.1	1107.0	1112.9	1107.0	1101.1	1071.0	1032.7	975.7
45°	921.1	980.0	1021.1	1052.7	1055.7	1058.6	1055.7	1052.7	1021.1	980.0	921.1
47.5°	870.4	929.5	967.8	997.2	1000.1	1003.0	1000.1	997.2	967.8	929.5	870.4
50°	832.2	892.5	930.7	960.1	963.0	966.0	963.0	960.1	930.7	892.5	832.2
52.5°	795.7	858.4	891.9	917.8	920.7	923.6	920.7	917.8	891.9	858.4	795.7
55°	730.7	796.9	829.3	853.5	853.5	853.5	853.5	829.3	796.9	730.7	730.7
57.5°	663.4	731.3	759.6	781.6	785.1	788.7	785.1	781.6	759.6	731.3	663.4
60°	617.5	686.6	710.2	729.3	735.2	741.0	735.2	729.3	710.2	686.6	617.5
62.5°	572.2	639.0	662.5	681.0	684.6	688.1	684.6	681.0	662.5	639.0	572.2
65°	502.1	560.9	584.4	602.8	605.8	608.7	605.8	602.8	584.4	560.9	502.1
67.5°	437.7	485.9	502.4	515.3	517.7	520.0	517.7	515.3	502.4	485.9	437.7
70°	394.8	435.9	447.7	456.5	456.5	456.5	456.5	447.7	435.9	394.8	394.8
72.5°	343.6	377.7	389.5	398.9	401.2	403.6	401.2	398.9	389.5	377.7	343.6
75°	270.5	295.5	304.4	311.7	314.6	317.6	314.6	311.7	304.4	295.5	270.5
77.5°	197.9	214.4	219.7	224.4	227.3	230.2	227.3	224.4	219.7	214.4	197.9
80°	148.5	160.3	163.2	166.1	169.1	172.0	169.1	166.1	163.2	160.3	148.5
82.5°	104.4	112.6	115.6	117.9	118.5	119.1	118.5	117.9	115.6	112.6	104.4
85°	50.0	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	50.0
87.5°	12.3	12.9	13.4	13.7	14.0	13.8	14.0	13.7	13.4	12.9	12.3
90°	8.7	11.4	14.0	15.5	17.0	16.3	17.0	15.5	14.0	11.4	8.7
92.5°	17.5	22.0	25.2	27.9	29.2	29.0	29.2	27.9	25.2	22.0	17.5
95°	35.2	40.5	45.8	49.6	51.9	51.1	51.9	49.6	45.8	40.5	35.2
97.5°	54.3	61.4	67.3	70.9	73.2	74.7	73.2	70.9	67.3	61.4	54.3
100°	67.0	73.8	80.6	84.8	88.6	90.1	88.6	84.8	80.6	73.8	67.0
102.5°	77.3	86.3	93.7	98.1	101.3	102.8	101.3	98.1	93.7	86.3	77.3
105°	94.3	103.7	111.7	117.4	120.8	121.9	120.8	117.4	111.7	103.7	94.3
107.5°	111.2	121.0	128.4	134.6	138.8	141.2	138.8	134.6	128.4	121.0	111.2
110°	124.6	132.5	140.5	146.2	150.3	151.8	150.3	146.2	140.5	132.5	124.6



TEST NUMBER: P1435751

CATALOG NUMBER: SQ2W-FA-K-025U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	135.8	144.6	152.6	158.3	163.0	165.2	163.0	158.3	152.6	144.6	135.8
115°	151.5	163.2	170.4	175.7	179.1	181.0	179.1	175.7	170.4	163.2	151.5
117.5°	164.5	176.7	184.6	188.7	190.3	191.7	190.3	188.7	184.6	176.7	164.5
120°	172.7	184.0	193.1	198.4	200.3	201.1	200.3	198.4	193.1	184.0	172.7
122.5°	180.2	191.0	199.8	206.3	209.4	210.1	209.4	206.3	199.8	191.0	180.2
125°	190.8	201.1	210.1	216.6	220.0	221.9	220.0	216.6	210.1	201.1	190.8
127.5°	200.1	211.1	219.5	225.3	228.6	230.1	228.6	225.3	219.5	211.1	200.1
130°	205.2	216.6	224.9	231.3	234.4	235.9	234.4	231.3	224.9	216.6	205.2
132.5°	209.2	221.1	229.8	235.6	238.9	240.4	238.9	235.6	229.8	221.1	209.2
135°	213.9	226.4	235.5	241.2	244.2	245.7	244.2	241.2	235.5	226.4	213.9
137.5°	218.1	229.4	238.9	244.9	247.6	248.6	247.6	244.9	238.9	229.4	218.1
140°	221.1	231.0	240.4	246.1	249.1	249.5	249.1	246.1	240.4	231.0	221.1
142.5°	225.1	232.8	241.0	246.7	249.7	250.4	249.7	246.7	241.0	232.8	225.1
145°	232.1	236.6	242.3	247.6	250.3	251.0	250.3	247.6	242.3	236.6	232.1
147.5°	241.0	242.4	245.4	248.8	251.4	251.9	251.4	248.8	245.4	242.4	241.0
150°	247.6	247.2	248.4	250.7	252.9	252.5	252.9	250.7	248.4	247.2	247.6
152.5°	255.2	253.0	252.9	254.0	255.0	255.0	255.0	254.0	252.9	253.0	255.2
155°	268.1	263.9	261.6	260.9	260.9	260.5	260.9	260.9	261.6	263.9	268.1
157.5°	282.2	276.4	273.0	271.2	270.6	269.8	270.6	271.2	273.0	276.4	282.2
160°	291.9	285.5	282.1	279.0	277.9	276.8	277.9	279.0	282.1	285.5	291.9
162.5°	301.0	294.9	291.2	288.4	287.3	285.6	287.3	288.4	291.2	294.9	301.0
165°	315.8	309.3	305.2	302.9	301.4	299.9	301.4	302.9	305.2	309.3	315.8
167.5°	330.5	323.5	320.8	318.2	316.8	314.0	316.8	318.2	320.8	323.5	330.5
170°	339.6	333.2	331.7	329.4	326.8	323.7	326.8	329.4	331.7	333.2	339.6
172.5°	347.5	343.2	341.7	339.4	338.6	336.1	338.6	339.4	341.7	343.2	347.5
175°	358.9	355.5	355.5	355.2	354.0	351.7	354.0	355.2	355.5	355.5	358.9
177.5°	368.5	366.7	367.9	367.9	367.6	365.5	367.6	367.9	367.9	366.7	368.5
180°	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8



TEST NUMBER: P1435751

CATALOG NUMBER: SQ2W-FA-K-025U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1707.0	1707.0	1707.0	1707.0
2.5°	1687.6	1696.4	1696.4	1696.4
5°	1625.4	1662.9	1671.7	1680.6
7.5°	1502.4	1585.9	1625.3	1664.7
10°	1415.9	1495.3	1574.7	1654.1
12.5°	1341.8	1413.5	1525.9	1638.2
15°	1281.4	1341.7	1468.1	1594.5
17.5°	1236.8	1275.6	1408.0	1540.3
20°	1226.2	1243.9	1376.2	1508.5
22.5°	1206.8	1206.2	1336.2	1466.2
25°	1173.3	1153.5	1268.1	1382.8
27.5°	1132.7	1099.8	1190.4	1280.9
30°	1102.7	1064.5	1141.0	1217.4
32.5°	1067.4	1027.4	1082.7	1138.0
35°	1018.9	971.9	995.4	1018.9
37.5°	972.2	915.1	907.5	899.8
40°	935.1	873.4	846.9	820.4
42.5°	899.8	835.7	806.9	778.1
45°	844.7	782.9	765.3	747.6
47.5°	790.4	727.2	714.3	701.3
50°	749.9	683.7	666.0	648.4
52.5°	704.0	632.5	621.9	611.4
55°	630.8	558.0	566.8	575.6
57.5°	555.8	477.0	484.6	492.3
60°	502.8	420.5	435.2	449.9
62.5°	462.3	382.3	392.3	402.3
65°	408.0	336.0	330.1	324.2
67.5°	357.7	292.9	273.5	254.1
70°	324.2	264.7	238.2	211.7
72.5°	287.2	238.2	211.7	185.3
75°	229.4	191.9	165.4	138.9
77.5°	170.3	144.1	122.3	100.6
80°	127.9	108.8	94.1	79.4
82.5°	90.9	77.6	65.3	52.9
85°	44.1	38.2	32.3	26.5
87.5°	11.9	10.8	8.2	5.5
90°	6.8	4.2	2.7	1.1
92.5°	14.7	10.2	7.2	4.2
95°	29.5	23.5	16.7	11.7
97.5°	47.0	37.3	30.5	22.4
100°	56.4	46.9	40.5	31.8
102.5°	66.7	58.8	49.9	41.2
105°	85.2	75.3	65.1	55.3
107.5°	102.3	91.5	79.2	70.3
110°	113.2	101.5	88.6	80.6



TEST NUMBER: P1435751

CATALOG NUMBER: SQ2W-FA-K-025U-100D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	123.8	111.8	98.6	90.6
115°	138.2	124.9	112.8	106.0
117.5°	152.1	138.4	125.6	120.3
120°	160.5	146.9	134.4	130.2
122.5°	167.5	154.2	142.6	140.8
125°	178.0	164.3	154.5	156.8
127.5°	186.4	173.9	167.7	172.8
130°	191.6	180.6	176.8	184.0
132.5°	196.1	187.6	185.9	195.8
135°	202.9	198.0	199.5	213.2
137.5°	211.0	209.2	214.2	231.4
140°	216.2	217.3	224.5	243.8
142.5°	223.2	225.8	235.1	255.6
145°	234.0	239.7	251.8	272.2
147.5°	246.3	253.6	268.6	289.6
150°	254.4	263.9	279.8	299.9
152.5°	263.8	273.6	289.5	309.9
155°	278.3	289.3	305.9	323.3
157.5°	293.1	304.3	320.2	335.4
160°	302.1	314.3	328.6	342.7
162.5°	312.4	323.7	336.2	348.7
165°	327.5	336.6	346.8	357.4
167.5°	340.2	347.7	355.8	364.0
170°	348.3	354.4	361.2	367.6
172.5°	355.3	360.2	365.1	370.7
175°	364.6	367.3	370.3	373.7
177.5°	371.8	372.7	373.6	375.1
180°	374.8	374.8	374.8	374.8



TEST NUMBER: P1435751
 CATALOG NUMBER: SQ2W-FA-K-025U-100D-L830-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	20.28	21.48	20.93	22.15	22.93	21.48	22.68	22.13	23.35	24.13
	3H	21.39	22.48	22.06	23.16	23.97	22.75	23.83	23.42	24.51	25.32
	4H	21.76	22.78	22.45	23.47	24.30	23.15	24.17	23.84	24.86	25.69
	6H	21.94	22.88	22.64	23.58	24.42	23.33	24.27	24.03	24.97	25.81
	8H	21.98	22.88	22.70	23.60	24.45	23.36	24.26	24.08	24.98	25.83
	12H	21.99	22.85	22.71	23.56	24.43	23.36	24.22	24.08	24.93	25.80
4H	2H	21.19	22.21	21.88	22.90	23.72	22.10	23.12	22.79	23.81	24.64
	3H	22.61	23.46	23.31	24.19	25.03	23.60	24.45	24.30	25.18	26.02
	4H	23.08	23.85	23.80	24.58	25.45	24.09	24.86	24.81	25.59	26.46
	6H	23.33	23.99	24.07	24.75	25.63	24.33	25.00	25.07	25.75	26.64
	8H	23.39	24.02	24.14	24.77	25.66	24.39	25.01	25.13	25.76	26.66
	12H	23.41	23.97	24.18	24.75	25.65	24.39	24.95	25.16	25.73	26.63
8H	4H	23.49	24.11	24.23	24.87	25.76	24.31	24.93	25.06	25.69	26.58
	6H	23.85	24.37	24.63	25.17	26.06	24.64	25.16	25.41	25.95	26.85
	8H	23.97	24.43	24.76	25.23	26.14	24.74	25.20	25.53	25.99	26.91
	12H	24.03	24.43	24.82	25.22	26.19	24.77	25.17	25.56	25.96	26.93
12H	4H	23.51	24.07	24.27	24.85	25.74	24.30	24.86	25.06	25.63	26.53
	6H	23.93	24.39	24.71	25.18	26.09	24.66	25.12	25.45	25.92	26.83
	8H	24.09	24.49	24.88	25.28	26.25	24.79	25.19	25.58	25.98	26.95