

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: P1428630

Luminaire Tested: SQ2W-WBN-K-100U-100D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428630
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-WBN-K-100U-100D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - WHITE DISCREET BAFFLE, NARROW 35-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

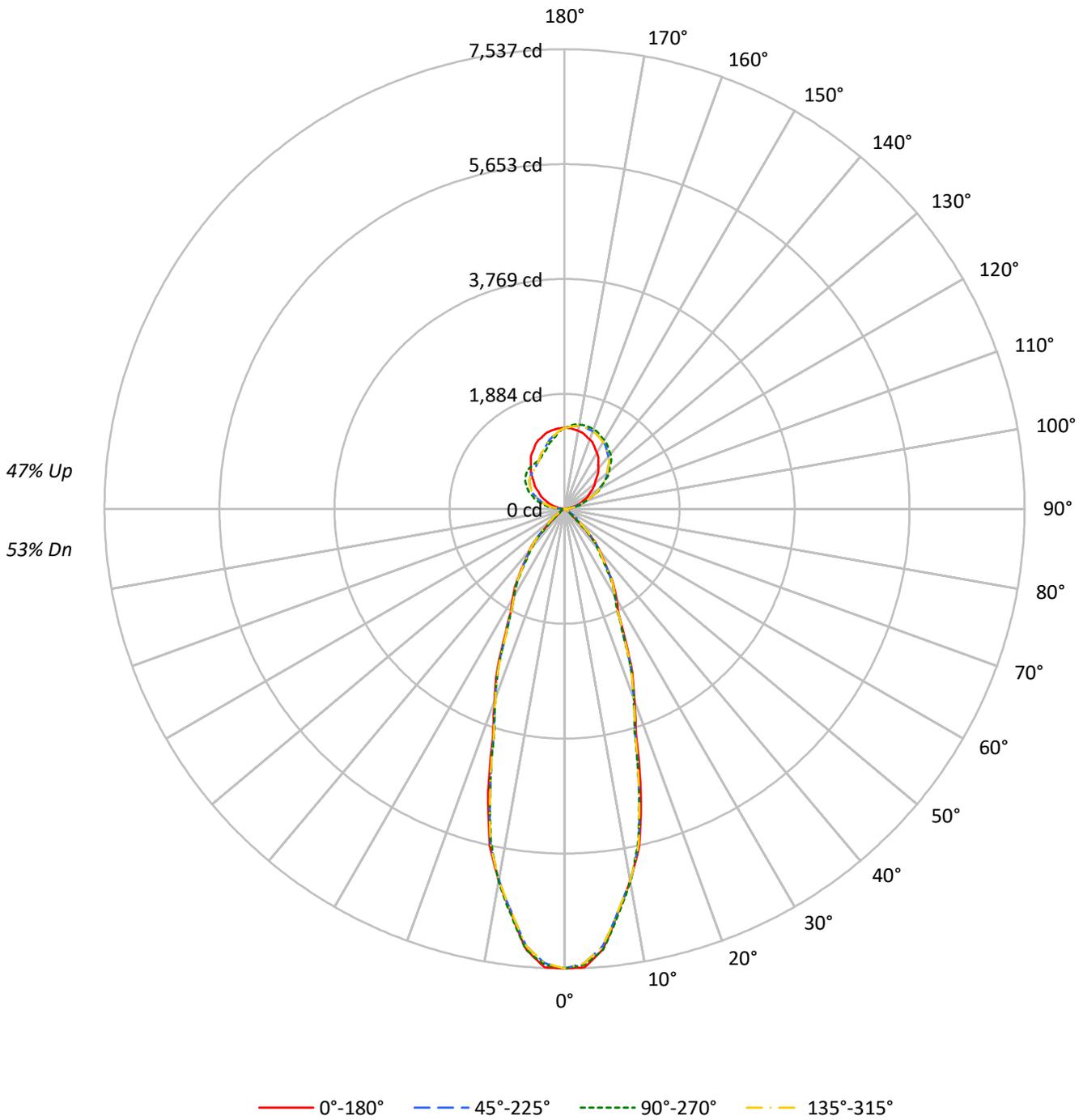
Lumens per Lamp: N/A
Luminaire Lumens: 8248.4 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.63
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 71.2
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-WBN-K-100U-100D-L935-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	108	108	108	108	100	100	100	100	85	85	85	71	71	71	59	59	59	53				53
1	101	97	94	92	94	91	88	86	78	76	75	66	65	64	56	55	54	49				49
2	94	88	84	79	87	83	78	75	72	69	66	62	60	58	53	51	50	46				46
3	88	80	75	70	82	76	71	67	66	63	60	58	55	53	49	48	46	43				43
4	82	74	67	63	77	69	64	60	61	57	54	54	51	48	47	45	43	40				40
5	77	68	61	56	72	64	58	54	57	52	49	50	47	45	44	42	40	37				37
6	72	63	56	51	68	59	53	49	53	48	45	47	44	41	42	39	37	35				35
7	68	58	51	47	64	55	49	45	49	45	42	44	41	38	39	37	35	33				33
8	64	54	48	43	60	51	46	42	46	42	39	42	38	36	37	35	33	31				31
9	61	50	44	40	57	48	42	39	44	39	36	39	36	34	36	33	31	29				29
10	58	47	41	37	54	45	40	36	41	37	34	37	34	32	34	31	29	28				28

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	121689	121689	121689	121689
5°	117494	117624	117494	117624
10°	101558	101799	101558	101799
15°	80814	78579	80814	78579
20°	57409	57064	57409	57064
25°	41303	40206	41303	40206
30°	31557	30635	31557	30635
35°	24772	23717	24772	23717
40°	18769	17614	18769	17614
45°	10501	9373	10501	9373
50°	3695	3258	3695	3258
55°	2258	2145	2258	2145
60°	1728	1598	1728	1598
65°	1582	1482	1582	1482
70°	1515	1388	1515	1388
75°	1416	1335	1416	1335
80°	1246	1246	1246	1246
85°	1241	982	1241	982

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 12453 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	654.3	7.9
10°-20°	1300.3	15.8
20°-30°	1076.8	13.1
30°-40°	774.7	9.4
40°-50°	394.6	4.8
50°-60°	102.6	1.2
60°-70°	42.6	0.5
70°-80°	23.7	0.3
80°-90°	12.5	0.2
90°-100°	105.4	1.3
100°-110°	307.3	3.7
110°-120°	501.5	6.1
120°-130°	636.4	7.7
130°-140°	681.0	8.3
140°-150°	635.9	7.7
150°-160°	523.2	6.3
160°-170°	350.9	4.3
170°-180°	124.6	1.5
0°-30°	3031.4	36.8
0°-40°	3806.1	46.1
0°-60°	4303.3	52.2
0°-90°	4382.1	53.1
90°-120°	914.2	11.1
90°-150°	2867.5	34.8
90°-180°	3866.0	46.9
0°-180°	8248.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	7537	7537	7537	7537	7537	
5°	7250	7258	7250	7258	7250	654
15°	4835	4701	4835	4701	4835	1312
25°	2318	2257	2318	2257	2318	1091
35°	1257	1203	1257	1203	1257	789
45°	460	410	460	410	460	368
55°	80	76	80	76	80	79
65°	41	39	41	39	41	41
75°	23	21	23	21	23	24
85°	7	5	7	5	7	7
90°	4	29	4	58	4	4
95°	42	31	42	181	42	50
105°	195	313	195	431	195	208
115°	374	519	374	639	374	369
125°	554	823	554	784	554	495
135°	753	1077	753	868	753	582
145°	962	1241	962	887	962	602
155°	1142	1348	1142	920	1142	525
165°	1263	1406	1263	1059	1263	355
175°	1320	1376	1320	1243	1320	125
180°	1324	1324	1324	1324	1324	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0
2.5°	7525.2	7519.5	7513.8	7488.5	7456.6	7454.0	7480.6	7498.9	7492.3	7485.6	7492.3
5°	7249.5	7244.8	7240.0	7218.3	7191.0	7200.5	7246.8	7278.9	7268.2	7257.5	7268.2
7.5°	6680.2	6684.2	6688.3	6677.2	6661.0	6673.4	6714.4	6742.3	6730.9	6719.5	6730.9
10°	6194.6	6205.3	6216.0	6200.8	6177.0	6195.2	6255.2	6290.1	6249.7	6209.3	6249.7
12.5°	5658.7	5651.8	5644.9	5631.1	5614.9	5611.6	5621.2	5622.9	5600.5	5578.2	5600.5
15°	4834.8	4809.8	4784.9	4746.5	4703.8	4689.8	4704.7	4714.2	4707.6	4701.1	4707.6
17.5°	3894.3	3903.9	3913.6	3887.6	3849.8	3830.2	3828.8	3825.9	3818.5	3811.1	3818.5
20°	3341.3	3344.3	3347.2	3331.0	3308.5	3303.1	3315.0	3323.6	3322.4	3321.2	3322.4
22.5°	2896.3	2896.9	2897.5	2876.1	2847.3	2841.7	2859.3	2869.9	2859.2	2848.5	2859.2
25°	2318.5	2316.7	2314.9	2300.6	2282.2	2268.5	2259.6	2253.4	2255.2	2256.9	2255.2
27.5°	1901.3	1893.9	1886.6	1874.4	1860.6	1856.7	1862.6	1866.0	1861.6	1857.2	1861.6
30°	1692.7	1686.8	1680.8	1668.6	1654.4	1649.0	1652.6	1653.9	1648.6	1643.2	1648.6
32.5°	1505.5	1505.8	1506.0	1495.0	1480.3	1472.1	1470.4	1468.2	1464.3	1460.3	1464.3
35°	1256.8	1260.4	1264.0	1255.0	1242.0	1231.0	1222.1	1214.0	1208.7	1203.3	1208.7
37.5°	1034.9	1038.2	1041.5	1034.1	1023.0	1011.0	997.9	987.0	982.4	977.9	982.4
40°	890.5	892.9	895.2	890.0	882.3	870.7	855.3	842.8	839.2	835.7	839.2
42.5°	733.2	743.2	753.2	749.9	742.2	731.1	716.6	703.7	695.9	688.0	695.9
45°	459.9	491.4	522.9	537.1	545.4	541.5	525.5	502.0	456.2	410.5	456.2
47.5°	232.6	276.3	319.9	351.2	378.4	369.7	325.2	280.5	235.6	190.7	235.6
50°	147.1	177.4	207.7	246.0	287.0	278.1	219.3	170.1	149.9	129.7	149.9
52.5°	112.8	128.4	144.0	180.4	223.8	219.6	167.9	126.4	115.2	104.0	115.2
55°	80.2	86.2	92.1	112.3	137.3	135.8	107.9	85.7	81.0	76.2	81.0
57.5°	62.0	65.4	68.7	76.2	85.1	84.3	73.7	65.0	62.1	59.1	62.1
60°	53.5	55.9	58.2	62.0	66.1	65.5	60.2	55.4	52.4	49.5	52.4
62.5°	48.1	49.6	51.0	52.7	54.5	53.6	50.2	47.3	46.3	45.2	46.3
65°	41.4	42.0	42.6	42.8	42.8	42.2	41.0	40.0	39.4	38.8	39.4
67.5°	35.3	35.9	36.5	36.5	36.4	36.1	35.5	34.9	34.3	33.7	34.3
70°	32.1	32.7	33.3	33.0	32.4	31.8	31.2	30.6	30.0	29.4	30.0
72.5°	27.8	28.4	29.0	28.7	28.1	27.8	27.6	27.4	26.8	26.2	26.8
75°	22.7	22.7	22.7	22.7	22.7	22.4	21.8	21.4	21.4	21.4	21.4
77.5°	17.6	17.8	17.9	17.5	16.9	16.6	16.6	16.5	16.0	15.5	16.0
80°	13.4	14.0	14.6	14.3	13.7	13.4	13.4	13.4	13.4	13.4	13.4
82.5°	11.2	11.4	11.5	11.1	10.5	10.2	10.2	10.2	10.2	10.2	10.2
85°	6.7	6.7	6.7	6.2	5.6	5.6	6.2	6.5	5.9	5.3	5.9
87.5°	2.9	4.0	5.3	6.4	7.2	7.5	7.5	7.8	8.0	8.0	8.0
90°	4.0	9.4	16.1	21.4	25.4	26.8	26.8	28.1	29.4	29.4	29.4
92.5°	14.7	23.3	23.5	23.5	28.6	31.0	33.2	33.4	34.8	34.8	34.8
95°	41.5	45.5	68.2	66.9	45.5	36.1	30.8	30.8	30.8	30.8	30.8
97.5°	79.2	85.1	88.8	119.0	125.7	121.4	99.0	83.2	74.4	70.4	74.4
100°	112.4	115.0	123.1	124.4	157.8	189.9	173.9	153.8	147.1	143.1	147.1
102.5°	145.5	147.1	159.4	165.1	172.8	191.0	246.6	240.5	235.9	235.1	235.9
105°	195.3	196.6	219.4	230.1	235.4	235.4	234.1	260.8	303.6	313.0	303.6
107.5°	248.5	254.7	281.4	310.0	316.2	317.8	310.8	306.8	305.2	306.3	305.2
110°	284.9	294.3	326.4	362.5	371.8	374.5	371.8	367.8	365.1	365.1	365.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	320.2	333.9	370.2	411.7	427.5	435.5	429.6	426.7	424.0	426.1	424.0
115°	374.5	394.6	442.7	485.5	517.6	521.6	520.3	520.3	519.0	519.0	519.0
117.5°	424.8	456.9	510.9	560.7	597.9	608.6	613.9	612.3	610.7	613.4	610.7
120°	460.1	497.6	559.1	615.3	651.4	667.4	672.8	670.1	672.8	670.1	672.8
122.5°	497.6	543.6	604.0	662.4	704.9	723.1	729.5	730.0	730.6	729.0	730.6
125°	553.7	609.9	680.8	741.0	785.1	806.5	811.9	813.2	815.9	822.6	815.9
127.5°	610.5	674.1	752.0	810.0	855.2	881.2	889.5	892.4	898.0	901.0	898.0
130°	650.0	722.3	801.2	856.0	900.2	928.3	943.0	947.0	953.7	952.3	953.7
132.5°	691.8	767.2	847.2	904.2	945.1	975.3	987.9	999.4	1001.8	1003.7	1001.8
135°	753.0	834.6	914.9	971.1	1009.8	1039.3	1055.3	1066.0	1072.7	1076.7	1072.7
137.5°	817.5	903.6	980.7	1030.7	1069.8	1095.2	1113.4	1124.6	1131.6	1134.8	1131.6
140°	861.4	944.3	1019.2	1071.4	1106.1	1131.6	1147.6	1161.0	1169.0	1169.0	1169.0
142.5°	903.1	985.0	1057.7	1109.9	1140.4	1163.7	1180.8	1190.9	1200.0	1200.0	1200.0
145°	961.7	1043.3	1110.2	1162.3	1187.7	1209.1	1227.9	1235.9	1241.2	1241.2	1241.2
147.5°	1023.0	1095.2	1156.2	1206.2	1227.6	1252.7	1267.5	1273.9	1280.6	1277.6	1280.6
150°	1059.3	1126.2	1185.1	1231.9	1253.3	1277.4	1292.1	1297.4	1304.1	1300.1	1304.1
152.5°	1094.6	1158.3	1211.8	1255.4	1273.6	1297.7	1314.5	1319.9	1324.4	1321.5	1324.4
155°	1142.3	1198.4	1247.9	1288.1	1304.1	1326.8	1342.9	1349.6	1354.9	1348.2	1354.9
157.5°	1184.8	1233.2	1276.3	1313.2	1330.3	1349.9	1364.8	1373.1	1378.5	1375.5	1378.5
160°	1210.5	1254.6	1293.4	1328.2	1344.2	1361.6	1377.7	1387.0	1392.4	1388.4	1392.4
162.5°	1231.9	1271.7	1308.4	1340.0	1353.9	1369.1	1388.4	1396.7	1402.0	1396.9	1402.0
165°	1262.6	1294.7	1326.8	1353.6	1365.6	1377.7	1397.7	1407.1	1411.1	1405.8	1411.1
167.5°	1285.9	1310.5	1336.5	1359.5	1368.3	1380.1	1400.1	1407.9	1413.0	1406.3	1413.0
170°	1298.8	1320.2	1342.9	1361.6	1368.3	1379.0	1399.1	1405.8	1409.8	1403.1	1409.8
172.5°	1309.5	1325.5	1344.0	1360.6	1364.0	1372.6	1391.6	1398.3	1401.2	1395.6	1401.2
175°	1320.2	1329.5	1342.9	1353.6	1352.3	1357.6	1373.7	1379.0	1384.4	1376.3	1384.4
177.5°	1325.2	1329.5	1333.8	1340.2	1335.9	1335.9	1347.7	1350.9	1352.0	1347.7	1352.0
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0
2.5°	7498.9	7480.6	7454.0	7456.6	7488.5	7513.8	7519.5	7525.2	7519.5	7513.8	7488.5
5°	7278.9	7246.8	7200.5	7191.0	7218.3	7240.0	7244.8	7249.5	7244.8	7240.0	7218.3
7.5°	6742.3	6714.4	6673.4	6661.0	6677.2	6688.3	6684.2	6680.2	6684.2	6688.3	6677.2
10°	6290.1	6255.2	6195.2	6177.0	6200.8	6216.0	6205.3	6194.6	6205.3	6216.0	6200.8
12.5°	5622.9	5621.2	5611.6	5614.9	5631.1	5644.9	5651.8	5658.7	5651.8	5644.9	5631.1
15°	4714.2	4704.7	4689.8	4703.8	4746.5	4784.9	4809.8	4834.8	4809.8	4784.9	4746.5
17.5°	3825.9	3828.8	3830.2	3849.8	3887.6	3913.6	3903.9	3894.3	3903.9	3913.6	3887.6
20°	3323.6	3315.0	3303.1	3308.5	3331.0	3347.2	3344.3	3341.3	3344.3	3347.2	3331.0
22.5°	2869.9	2859.3	2841.7	2847.3	2876.1	2897.5	2896.9	2896.3	2896.9	2897.5	2876.1
25°	2253.4	2259.6	2268.5	2282.2	2300.6	2314.9	2316.7	2318.5	2316.7	2314.9	2300.6
27.5°	1866.0	1862.6	1856.7	1860.6	1874.4	1886.6	1893.9	1901.3	1893.9	1886.6	1874.4
30°	1653.9	1652.6	1649.0	1654.4	1668.6	1680.8	1686.8	1692.7	1686.8	1680.8	1668.6
32.5°	1468.2	1470.4	1472.1	1480.3	1495.0	1506.0	1505.8	1505.5	1505.8	1506.0	1495.0
35°	1214.0	1222.1	1231.0	1242.0	1255.0	1264.0	1260.4	1256.8	1260.4	1264.0	1255.0
37.5°	987.0	997.9	1011.0	1023.0	1034.1	1041.5	1038.2	1034.9	1038.2	1041.5	1034.1
40°	842.8	855.3	870.7	882.3	890.0	895.2	892.9	890.5	892.9	895.2	890.0
42.5°	703.7	716.6	731.1	742.2	749.9	753.2	743.2	733.2	743.2	753.2	749.9
45°	502.0	525.5	541.5	545.4	537.1	522.9	491.4	459.9	491.4	522.9	537.1
47.5°	280.5	325.2	369.7	378.4	351.2	319.9	276.3	232.6	276.3	319.9	351.2
50°	170.1	219.3	278.1	287.0	246.0	207.7	177.4	147.1	177.4	207.7	246.0
52.5°	126.4	167.9	219.6	223.8	180.4	144.0	128.4	112.8	128.4	144.0	180.4
55°	85.7	107.9	135.8	137.3	112.3	92.1	86.2	80.2	86.2	92.1	112.3
57.5°	65.0	73.7	84.3	85.1	76.2	68.7	65.4	62.0	65.4	68.7	76.2
60°	55.4	60.2	65.5	66.1	62.0	58.2	55.9	53.5	55.9	58.2	62.0
62.5°	47.3	50.2	53.6	54.5	52.7	51.0	49.6	48.1	49.6	51.0	52.7
65°	40.0	41.0	42.2	42.8	42.8	42.6	42.0	41.4	42.0	42.6	42.8
67.5°	34.9	35.5	36.1	36.4	36.5	36.5	35.9	35.3	35.9	36.5	36.5
70°	30.6	31.2	31.8	32.4	33.0	33.3	32.7	32.1	32.7	33.3	33.0
72.5°	27.4	27.6	27.8	28.1	28.7	29.0	28.4	27.8	28.4	29.0	28.7
75°	21.4	21.8	22.4	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
77.5°	16.5	16.6	16.6	16.9	17.5	17.9	17.8	17.6	17.8	17.9	17.5
80°	13.4	13.4	13.4	13.7	14.3	14.6	14.0	13.4	14.0	14.6	14.3
82.5°	10.2	10.2	10.2	10.5	11.1	11.5	11.4	11.2	11.4	11.5	11.1
85°	6.5	6.2	5.6	5.6	6.2	6.7	6.7	6.7	6.7	6.7	6.2
87.5°	7.8	7.5	7.5	7.2	6.4	5.3	4.0	2.9	4.0	5.1	7.0
90°	28.1	26.8	26.8	25.4	21.4	16.1	9.4	4.0	9.4	14.7	24.1
92.5°	33.4	33.2	31.0	28.6	23.5	23.5	23.3	14.7	25.4	36.1	51.9
95°	30.8	30.8	36.1	45.5	66.9	68.2	45.5	41.5	58.9	82.9	104.3
97.5°	83.2	99.0	121.4	125.7	119.0	88.8	85.1	79.2	107.8	131.6	166.1
100°	153.8	173.9	189.9	157.8	124.4	123.1	115.0	112.4	143.1	165.9	199.3
102.5°	240.5	246.6	191.0	172.8	165.1	159.4	147.1	145.5	176.3	207.6	235.7
105°	260.8	234.1	235.4	235.4	230.1	219.4	196.6	195.3	230.1	266.2	300.9
107.5°	306.8	310.8	317.8	316.2	310.0	281.4	254.7	248.5	279.8	323.2	361.4
110°	367.8	371.8	374.5	371.8	362.5	326.4	294.3	284.9	313.0	358.5	399.9



TEST NUMBER: P1428630

CATALOG NUMBER: SQ2W-WBN-K-100U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	426.7	429.6	435.5	427.5	411.7	370.2	333.9	320.2	348.3	394.8	437.4
115°	520.3	520.3	521.6	517.6	485.5	442.7	394.6	374.5	398.6	441.4	488.2
117.5°	612.3	613.9	608.6	597.9	560.7	510.9	456.9	424.8	443.8	489.0	537.2
120°	670.1	672.8	667.4	651.4	615.3	559.1	497.6	460.1	474.8	519.0	567.1
122.5°	730.0	729.5	723.1	704.9	662.4	604.0	543.6	497.6	503.7	544.6	591.7
125°	813.2	811.9	806.5	785.1	741.0	680.8	609.9	553.7	545.7	580.5	628.6
127.5°	892.4	889.5	881.2	855.2	810.0	752.0	674.1	610.5	592.5	614.5	658.6
130°	947.0	943.0	928.3	900.2	856.0	801.2	722.3	650.0	624.6	638.0	676.8
132.5°	999.4	987.9	975.3	945.1	904.2	847.2	767.2	691.8	656.7	662.6	692.8
135°	1066.0	1055.3	1039.3	1009.8	971.1	914.9	834.6	753.0	704.9	699.5	716.9
137.5°	1124.6	1113.4	1095.2	1069.8	1030.7	980.7	903.6	817.5	756.8	738.9	745.5
140°	1161.0	1147.6	1131.6	1106.1	1071.4	1019.2	944.3	861.4	793.2	767.8	763.7
142.5°	1190.9	1180.8	1163.7	1140.4	1109.9	1057.7	985.0	903.1	830.6	797.7	788.3
145°	1235.9	1227.9	1209.1	1187.7	1162.3	1110.2	1043.3	961.7	889.5	846.7	826.6
147.5°	1273.9	1267.5	1252.7	1227.6	1206.2	1156.2	1095.2	1023.0	948.9	895.9	869.9
150°	1297.4	1292.1	1277.4	1253.3	1231.9	1185.1	1126.2	1059.3	988.4	932.3	898.8
152.5°	1319.9	1314.5	1297.7	1273.6	1255.4	1211.8	1158.3	1094.6	1022.7	966.5	932.0
155°	1349.6	1342.9	1326.8	1304.1	1288.1	1247.9	1198.4	1142.3	1080.7	1021.9	983.1
157.5°	1373.1	1364.8	1349.9	1330.3	1313.2	1276.3	1233.2	1184.8	1131.0	1074.9	1035.3
160°	1387.0	1377.7	1361.6	1344.2	1328.2	1293.4	1254.6	1210.5	1161.0	1110.2	1067.4
162.5°	1396.7	1388.4	1369.1	1353.9	1340.0	1308.4	1271.7	1231.9	1187.7	1143.3	1103.7
165°	1407.1	1397.7	1377.7	1365.6	1353.6	1326.8	1294.7	1262.6	1225.2	1189.1	1157.0
167.5°	1407.9	1400.1	1380.1	1368.3	1359.5	1336.5	1310.5	1285.9	1256.8	1228.4	1201.7
170°	1405.8	1399.1	1379.0	1368.3	1361.6	1342.9	1320.2	1298.8	1276.0	1251.9	1230.5
172.5°	1398.3	1391.6	1372.6	1364.0	1360.6	1344.0	1325.5	1309.5	1289.9	1272.3	1255.2
175°	1379.0	1373.7	1357.6	1352.3	1353.6	1342.9	1329.5	1320.2	1308.1	1297.4	1288.1
177.5°	1350.9	1347.7	1335.9	1335.9	1340.2	1333.8	1329.5	1325.2	1319.9	1316.7	1313.5
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1428630

CATALOG NUMBER: SQ2W-WBN-K-100U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0	7537.0
2.5°	7456.6	7454.0	7480.6	7498.9	7492.3	7485.6	7492.3	7498.9	7480.6	7454.0	7456.6
5°	7191.0	7200.5	7246.8	7278.9	7268.2	7257.5	7268.2	7278.9	7246.8	7200.5	7191.0
7.5°	6661.0	6673.4	6714.4	6742.3	6730.9	6719.5	6730.9	6742.3	6714.4	6673.4	6661.0
10°	6177.0	6195.2	6255.2	6290.1	6249.7	6209.3	6249.7	6290.1	6255.2	6195.2	6177.0
12.5°	5614.9	5611.6	5621.2	5622.9	5600.5	5578.2	5600.5	5622.9	5621.2	5611.6	5614.9
15°	4703.8	4689.8	4704.7	4714.2	4707.6	4701.1	4707.6	4714.2	4704.7	4689.8	4703.8
17.5°	3849.8	3830.2	3828.8	3825.9	3818.5	3811.1	3818.5	3825.9	3828.8	3830.2	3849.8
20°	3308.5	3303.1	3315.0	3323.6	3322.4	3321.2	3322.4	3323.6	3315.0	3303.1	3308.5
22.5°	2847.3	2841.7	2859.3	2869.9	2859.2	2848.5	2859.2	2869.9	2859.3	2841.7	2847.3
25°	2282.2	2268.5	2259.6	2253.4	2255.2	2256.9	2255.2	2253.4	2259.6	2268.5	2282.2
27.5°	1860.6	1856.7	1862.6	1866.0	1861.6	1857.2	1861.6	1866.0	1862.6	1856.7	1860.6
30°	1654.4	1649.0	1652.6	1653.9	1648.6	1643.2	1648.6	1653.9	1652.6	1649.0	1654.4
32.5°	1480.3	1472.1	1470.4	1468.2	1464.3	1460.3	1464.3	1468.2	1470.4	1472.1	1480.3
35°	1242.0	1231.0	1222.1	1214.0	1208.7	1203.3	1208.7	1214.0	1222.1	1231.0	1242.0
37.5°	1023.0	1011.0	997.9	987.0	982.4	977.9	982.4	987.0	997.9	1011.0	1023.0
40°	882.3	870.7	855.3	842.8	839.2	835.7	839.2	842.8	855.3	870.7	882.3
42.5°	742.2	731.1	716.6	703.7	695.9	688.0	695.9	703.7	716.6	731.1	742.2
45°	545.4	541.5	525.5	502.0	456.2	410.5	456.2	502.0	525.5	541.5	545.4
47.5°	378.4	369.7	325.2	280.5	235.6	190.7	235.6	280.5	325.2	369.7	378.4
50°	287.0	278.1	219.3	170.1	149.9	129.7	149.9	170.1	219.3	278.1	287.0
52.5°	223.8	219.6	167.9	126.4	115.2	104.0	115.2	126.4	167.9	219.6	223.8
55°	137.3	135.8	107.9	85.7	81.0	76.2	81.0	85.7	107.9	135.8	137.3
57.5°	85.1	84.3	73.7	65.0	62.1	59.1	62.1	65.0	73.7	84.3	85.1
60°	66.1	65.5	60.2	55.4	52.4	49.5	52.4	55.4	60.2	65.5	66.1
62.5°	54.5	53.6	50.2	47.3	46.3	45.2	46.3	47.3	50.2	53.6	54.5
65°	42.8	42.2	41.0	40.0	39.4	38.8	39.4	40.0	41.0	42.2	42.8
67.5°	36.4	36.1	35.5	34.9	34.3	33.7	34.3	34.9	35.5	36.1	36.4
70°	32.4	31.8	31.2	30.6	30.0	29.4	30.0	30.6	31.2	31.8	32.4
72.5°	28.1	27.8	27.6	27.4	26.8	26.2	26.8	27.4	27.6	27.8	28.1
75°	22.7	22.4	21.8	21.4	21.4	21.4	21.4	21.4	21.8	22.4	22.7
77.5°	16.9	16.6	16.6	16.5	16.0	15.5	16.0	16.5	16.6	16.6	16.9
80°	13.7	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.7
82.5°	10.5	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.5
85°	5.6	5.6	6.2	6.5	5.9	5.3	5.9	6.5	6.2	5.6	5.6
87.5°	8.3	10.2	12.0	13.1	14.2	13.6	14.2	13.1	12.0	10.2	8.3
90°	30.8	40.1	49.5	54.8	60.2	57.5	60.2	49.5	40.1	30.8	30.8
92.5°	61.8	77.6	89.1	98.7	103.0	102.5	103.0	98.7	89.1	77.6	61.8
95°	124.4	143.1	161.8	175.2	183.2	180.6	183.2	175.2	161.8	143.1	124.4
97.5°	191.8	216.9	237.8	250.4	258.4	263.8	258.4	250.4	237.8	216.9	191.8
100°	236.7	260.8	284.9	299.6	313.0	318.3	313.0	299.6	284.9	260.8	236.7
102.5°	273.1	304.7	330.9	346.7	357.9	363.3	357.9	346.7	330.9	304.7	273.1
105°	333.0	366.5	394.6	414.6	426.7	430.7	426.7	414.6	394.6	366.5	333.0
107.5°	393.0	427.5	453.4	475.6	490.3	498.9	490.3	475.6	453.4	427.5	393.0
110°	440.1	468.1	496.2	516.3	531.0	536.4	531.0	516.3	496.2	468.1	440.1



TEST NUMBER: P1428630

CATALOG NUMBER: SQ2W-WBN-K-100U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	479.6	510.9	539.0	559.1	575.9	583.4	575.9	559.1	539.0	510.9	479.6
115°	535.0	576.5	601.9	620.6	632.7	639.3	632.7	620.6	601.9	576.5	535.0
117.5°	581.0	624.4	652.2	666.6	672.3	677.1	672.3	666.6	652.2	624.4	581.0
120°	609.9	650.0	682.1	700.9	707.6	710.2	707.6	700.9	682.1	650.0	609.9
122.5°	636.7	674.7	705.7	728.7	739.7	742.3	739.7	728.7	705.7	674.7	636.7
125°	674.1	710.2	742.3	765.1	777.1	783.8	777.1	765.1	742.3	710.2	674.1
127.5°	706.8	745.8	775.2	795.8	807.6	813.0	807.6	795.8	775.2	745.8	706.8
130°	724.9	765.1	794.5	817.2	827.9	833.3	827.9	817.2	794.5	765.1	724.9
132.5°	738.9	781.1	811.6	832.2	844.0	849.3	844.0	832.2	811.6	781.1	738.9
135°	755.7	799.9	832.0	852.0	862.7	868.1	862.7	852.0	832.0	799.9	755.7
137.5°	770.4	810.6	844.0	865.1	874.8	878.2	874.8	865.1	844.0	810.6	770.4
140°	781.1	815.9	849.3	869.4	880.1	881.4	880.1	869.4	849.3	815.9	781.1
142.5°	795.0	822.3	851.5	871.5	882.2	884.7	882.2	871.5	851.5	822.3	795.0
145°	819.9	836.0	856.0	874.8	884.1	886.8	884.1	874.8	856.0	836.0	819.9
147.5°	851.2	856.3	866.7	879.0	888.1	890.0	888.1	879.0	866.7	856.3	851.2
150°	874.8	873.4	877.4	885.5	893.5	892.1	893.5	885.5	877.4	873.4	874.8
152.5°	901.5	893.7	893.5	897.2	901.0	900.7	901.0	897.2	893.5	893.7	901.5
155°	947.0	932.3	924.2	921.6	921.6	920.2	921.6	921.6	924.2	932.3	947.0
157.5°	997.0	976.4	964.4	957.9	956.1	953.1	956.1	957.9	964.4	976.4	997.0
160°	1031.2	1008.5	996.5	985.8	981.8	977.7	981.8	985.8	996.5	1008.5	1031.2
162.5°	1063.3	1041.7	1028.6	1018.9	1014.9	1008.8	1014.9	1018.9	1028.6	1041.7	1063.3
165°	1115.5	1092.8	1078.1	1070.0	1064.7	1059.3	1064.7	1070.0	1078.1	1092.8	1115.5
167.5°	1167.7	1142.8	1133.2	1124.1	1119.0	1109.4	1119.0	1124.1	1133.2	1142.8	1167.7
170°	1199.8	1177.0	1171.7	1163.7	1154.3	1143.6	1154.3	1163.7	1171.7	1177.0	1199.8
172.5°	1227.6	1212.4	1207.0	1199.0	1196.0	1187.5	1196.0	1199.0	1207.0	1212.4	1227.6
175°	1268.0	1256.0	1256.0	1254.6	1250.6	1242.6	1250.6	1254.6	1256.0	1256.0	1268.0
177.5°	1301.7	1295.3	1299.6	1299.6	1298.5	1291.0	1298.5	1299.6	1299.6	1295.3	1301.7
180°	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1428630

CATALOG NUMBER: SQ2W-WBN-K-100U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	7537.0	7537.0	7537.0	7537.0
2.5°	7488.5	7513.8	7519.5	7525.2
5°	7218.3	7240.0	7244.8	7249.5
7.5°	6677.2	6688.3	6684.2	6680.2
10°	6200.8	6216.0	6205.3	6194.6
12.5°	5631.1	5644.9	5651.8	5658.7
15°	4746.5	4784.9	4809.8	4834.8
17.5°	3887.6	3913.6	3903.9	3894.3
20°	3331.0	3347.2	3344.3	3341.3
22.5°	2876.1	2897.5	2896.9	2896.3
25°	2300.6	2314.9	2316.7	2318.5
27.5°	1874.4	1886.6	1893.9	1901.3
30°	1668.6	1680.8	1686.8	1692.7
32.5°	1495.0	1506.0	1505.8	1505.5
35°	1255.0	1264.0	1260.4	1256.8
37.5°	1034.1	1041.5	1038.2	1034.9
40°	890.0	895.2	892.9	890.5
42.5°	749.9	753.2	743.2	733.2
45°	537.1	522.9	491.4	459.9
47.5°	351.2	319.9	276.3	232.6
50°	246.0	207.7	177.4	147.1
52.5°	180.4	144.0	128.4	112.8
55°	112.3	92.1	86.2	80.2
57.5°	76.2	68.7	65.4	62.0
60°	62.0	58.2	55.9	53.5
62.5°	52.7	51.0	49.6	48.1
65°	42.8	42.6	42.0	41.4
67.5°	36.5	36.5	35.9	35.3
70°	33.0	33.3	32.7	32.1
72.5°	28.7	29.0	28.4	27.8
75°	22.7	22.7	22.7	22.7
77.5°	17.5	17.9	17.8	17.6
80°	14.3	14.6	14.0	13.4
82.5°	11.1	11.5	11.4	11.2
85°	6.2	6.7	6.7	6.7
87.5°	7.0	5.1	4.0	2.9
90°	24.1	14.7	9.4	4.0
92.5°	51.9	36.1	25.4	14.7
95°	104.3	82.9	58.9	41.5
97.5°	166.1	131.6	107.8	79.2
100°	199.3	165.9	143.1	112.4
102.5°	235.7	207.6	176.3	145.5
105°	300.9	266.2	230.1	195.3
107.5°	361.4	323.2	279.8	248.5
110°	399.9	358.5	313.0	284.9



TEST NUMBER: P1428630

CATALOG NUMBER: SQ2W-WBN-K-100U-100D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	437.4	394.8	348.3	320.2
115°	488.2	441.4	398.6	374.5
117.5°	537.2	489.0	443.8	424.8
120°	567.1	519.0	474.8	460.1
122.5°	591.7	544.6	503.7	497.6
125°	628.6	580.5	545.7	553.7
127.5°	658.6	614.5	592.5	610.5
130°	676.8	638.0	624.6	650.0
132.5°	692.8	662.6	656.7	691.8
135°	716.9	699.5	704.9	753.0
137.5°	745.5	738.9	756.8	817.5
140°	763.7	767.8	793.2	861.4
142.5°	788.3	797.7	830.6	903.1
145°	826.6	846.7	889.5	961.7
147.5°	869.9	895.9	948.9	1023.0
150°	898.8	932.3	988.4	1059.3
152.5°	932.0	966.5	1022.7	1094.6
155°	983.1	1021.9	1080.7	1142.3
157.5°	1035.3	1074.9	1131.0	1184.8
160°	1067.4	1110.2	1161.0	1210.5
162.5°	1103.7	1143.3	1187.7	1231.9
165°	1157.0	1189.1	1225.2	1262.6
167.5°	1201.7	1228.4	1256.8	1285.9
170°	1230.5	1251.9	1276.0	1298.8
172.5°	1255.2	1272.3	1289.9	1309.5
175°	1288.1	1297.4	1308.1	1320.2
177.5°	1313.5	1316.7	1319.9	1325.2
180°	1324.2	1324.2	1324.2	1324.2



TEST NUMBER: P1428630
 CATALOG NUMBER: SQ2W-WBN-K-100U-100D-L935-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	3.15	3.85	4.12	4.80	6.04	2.77	3.47	3.74	4.42	5.66
	3H	4.37	4.99	5.36	5.96	7.22	3.98	4.60	4.96	5.56	6.83
	4H	4.89	5.47	5.89	6.44	7.72	4.49	5.08	5.49	6.04	7.32
	6H	5.24	5.78	6.25	6.75	8.04	4.82	5.36	5.83	6.33	7.62
	8H	5.39	5.89	6.40	6.88	8.16	4.96	5.47	5.97	6.46	7.74
	12H	5.48	5.96	6.49	6.94	8.25	5.03	5.51	6.04	6.50	7.80
4H	2H	3.47	4.05	4.47	5.02	6.29	3.15	3.74	4.15	4.71	5.98
	3H	4.96	5.44	5.97	6.44	7.73	4.62	5.10	5.62	6.10	7.38
	4H	5.61	6.05	6.62	7.04	8.35	5.25	5.69	6.26	6.68	7.99
	6H	6.10	6.47	7.12	7.49	8.80	5.71	6.09	6.73	7.10	8.41
	8H	6.31	6.66	7.33	7.66	8.98	5.91	6.26	6.93	7.26	8.58
	12H	6.44	6.76	7.48	7.78	9.10	6.01	6.33	7.05	7.35	8.67
8H	4H	5.77	6.12	6.79	7.12	8.44	5.45	5.80	6.47	6.81	8.13
	6H	6.40	6.69	7.45	7.74	9.06	6.05	6.33	7.09	7.38	8.70
	8H	6.72	6.97	7.77	8.01	9.35	6.34	6.59	7.39	7.63	8.96
	12H	6.95	7.17	8.00	8.20	9.58	6.54	6.76	7.59	7.79	9.17
12H	4H	5.75	6.06	6.78	7.08	8.40	5.44	5.75	6.48	6.78	8.10
	6H	6.44	6.69	7.49	7.73	9.06	6.10	6.35	7.15	7.38	8.72
	8H	6.79	7.01	7.84	8.04	9.42	6.42	6.64	7.47	7.67	9.05