

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: P1428546

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428546
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-WBM-K-100U-100D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - WHITE DISCREET BAFFLE, MEDIUM 80-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

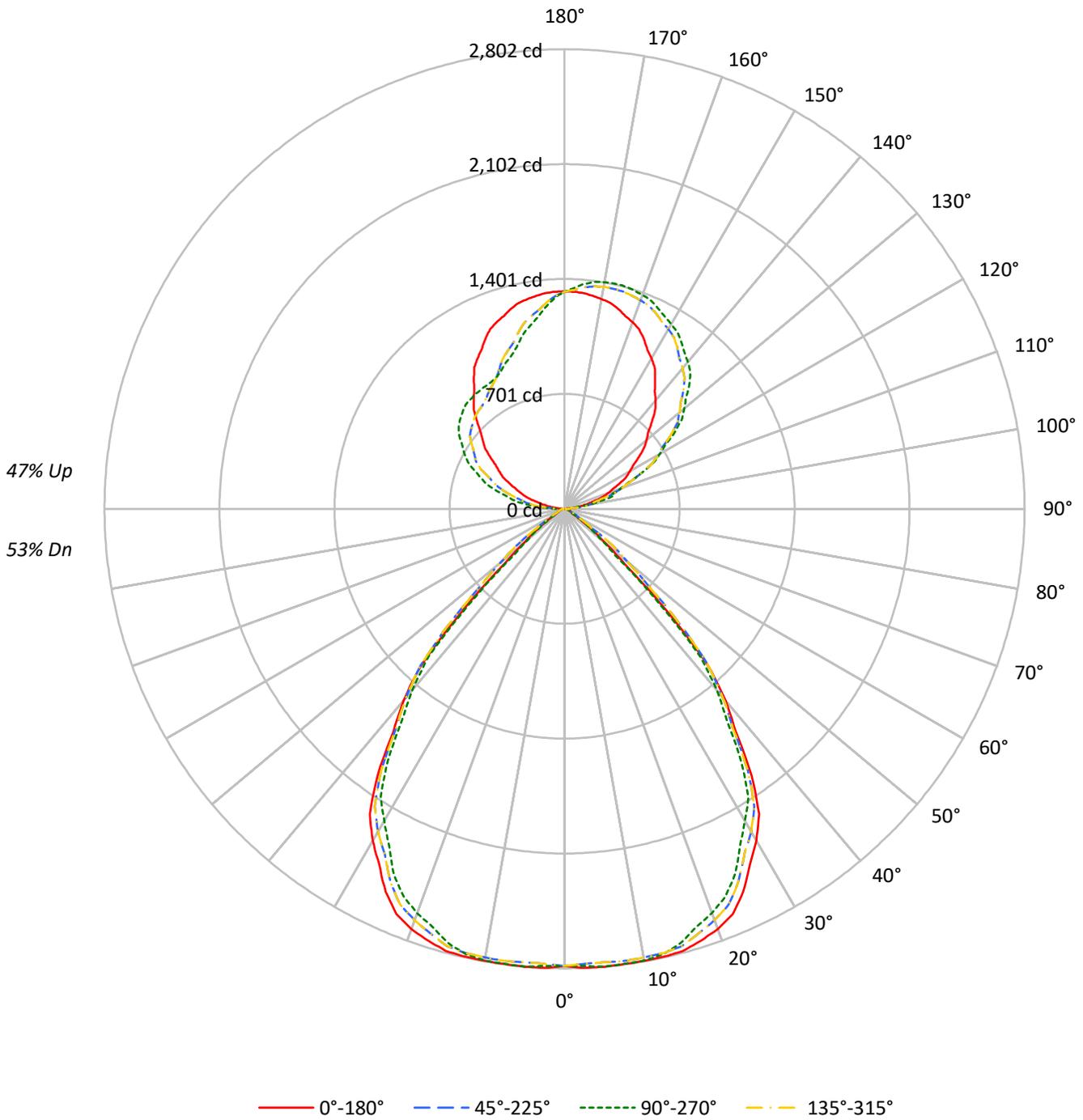
Lumens per Lamp: N/A
Luminaire Lumens: 8231.8 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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-WBM-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				
1	100	97	93	91	93	90	87	85	77	75	74	66	64	63	55	54	53	48				
2	93	87	82	77	86	81	77	73	70	67	64	60	58	56	51	49	48	44				
3	86	78	72	67	80	73	68	63	64	60	57	55	52	50	47	45	43	40				
4	80	71	64	59	74	66	60	56	58	54	50	51	47	45	43	41	39	36				
5	74	64	57	52	69	60	54	49	53	48	45	46	43	40	40	38	36	33				
6	69	58	51	46	64	55	49	44	49	44	40	43	39	36	37	35	32	30				
7	64	53	46	41	60	50	44	40	45	40	36	40	36	33	35	32	30	27				
8	60	49	42	37	56	46	40	36	41	36	33	37	33	30	32	29	27	25				
9	56	45	38	34	53	43	37	32	38	33	30	34	30	27	30	27	25	23				
10	53	42	35	31	49	40	34	30	36	31	27	32	28	25	28	25	23	21				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	45004	45004	45004	45004
5°	45414	45392	45414	45392
10°	45872	45851	45872	45851
15°	46635	45809	46635	45809
20°	46858	45068	46858	45068
25°	45894	43799	45894	43799
30°	43545	40954	43545	40954
35°	39164	36950	39164	36950
40°	32106	30416	32106	30416
45°	20075	18856	20075	18856
50°	7854	7184	7854	7184
55°	3873	3837	3873	3837
60°	1812	1640	1812	1640
65°	1635	1532	1635	1532
70°	1577	1515	1577	1515
75°	1584	1416	1584	1416
80°	1488	1367	1488	1367
85°	1482	1241	1482	1241

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°
 Vertical Angle: 45°
 Luminance: 22852 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.5	3.2
10°-20°	779.3	9.5
20°-30°	1152.2	14.0
30°-40°	1192.1	14.5
40°-50°	717.1	8.7
50°-60°	171.4	2.1
60°-70°	46.9	0.6
70°-80°	26.2	0.3
80°-90°	13.7	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	6.4
160°-170°	350.9	4.3
170°-180°	124.6	1.5
0°-30°	2198.0	26.7
0°-40°	3390.1	41.2
0°-60°	4278.6	52.0
0°-90°	4365.5	53.0
90°-120°	914.2	11.1
90°-150°	2867.5	34.8
90°-180°	3866.0	47.0
0°-180°	8231.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2787	2787	2787	2787	2787	
5°	2802	2801	2802	2801	2802	267
15°	2790	2741	2790	2741	2790	786
25°	2576	2459	2576	2459	2576	1178
35°	1987	1875	1987	1875	1987	1220
45°	879	826	879	826	879	680
55°	138	136	138	136	138	138
65°	43	40	43	40	43	43
75°	25	23	25	23	25	26
85°	8	7	8	7	8	8
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°	2787.4	2787.4	2787.4	2787.4	2787.4	2787.4	2787.4	2787.4	2787.4	2787.4	2787.4
2.5°	2801.3	2797.9	2794.6	2786.3	2776.3	2776.5	2787.0	2794.2	2791.9	2789.5	2791.9
5°	2802.1	2797.9	2793.7	2784.2	2773.0	2775.6	2792.3	2804.3	2802.5	2800.7	2802.5
7.5°	2799.1	2797.3	2795.6	2788.6	2779.9	2781.9	2794.5	2803.2	2800.5	2797.8	2800.5
10°	2798.0	2798.6	2799.2	2790.0	2777.6	2777.9	2790.9	2800.3	2798.5	2796.7	2798.5
12.5°	2797.0	2801.8	2806.7	2794.3	2776.1	2772.2	2782.4	2789.0	2784.8	2780.7	2784.8
15°	2790.0	2799.5	2809.0	2792.3	2766.7	2754.0	2754.0	2752.5	2746.5	2740.6	2746.5
17.5°	2760.4	2771.6	2782.9	2760.2	2726.1	2704.5	2695.3	2686.7	2679.4	2672.2	2679.4
20°	2727.2	2738.5	2749.8	2722.8	2683.0	2655.7	2640.8	2628.9	2626.0	2623.0	2626.0
22.5°	2674.8	2687.1	2699.3	2670.4	2627.8	2598.3	2582.0	2568.6	2563.7	2558.9	2563.7
25°	2576.2	2585.7	2595.2	2565.1	2521.7	2494.1	2482.3	2471.7	2465.2	2458.6	2465.2
27.5°	2444.8	2450.0	2455.2	2426.0	2385.4	2358.3	2344.8	2332.4	2323.4	2314.3	2323.4
30°	2335.7	2338.1	2340.5	2317.0	2284.9	2260.0	2242.2	2225.3	2211.0	2196.7	2211.0
32.5°	2206.4	2208.7	2211.1	2190.5	2162.2	2139.7	2122.8	2107.3	2095.9	2084.5	2095.9
35°	1987.0	1985.8	1984.6	1971.4	1954.1	1935.7	1916.1	1898.5	1886.6	1874.7	1886.6
37.5°	1712.5	1714.2	1715.8	1706.0	1692.3	1677.8	1662.3	1647.8	1635.8	1623.8	1635.8
40°	1523.3	1524.5	1525.7	1517.5	1506.2	1489.3	1466.7	1449.1	1446.1	1443.1	1446.1
42.5°	1292.4	1310.2	1328.0	1320.8	1305.3	1288.8	1271.5	1255.0	1241.1	1227.2	1241.1
45°	879.2	933.3	987.3	1000.8	1000.8	990.4	969.7	939.8	882.8	825.8	882.8
47.5°	496.5	558.1	619.6	660.0	693.4	679.2	617.4	553.8	484.5	415.3	484.5
50°	312.7	354.2	395.8	447.6	502.9	487.7	402.2	332.3	309.1	286.0	309.1
52.5°	221.8	243.0	264.1	312.9	371.0	364.0	291.7	234.5	222.3	210.1	222.3
55°	137.6	145.4	153.1	176.8	205.9	204.1	171.5	145.8	141.0	136.3	141.0
57.5°	81.8	89.7	97.7	108.2	119.6	119.6	108.2	97.8	90.3	82.8	90.3
60°	56.1	62.7	69.2	77.9	87.4	86.3	74.4	63.8	57.3	50.8	57.3
62.5°	48.6	51.4	54.1	60.8	68.9	68.2	58.7	51.0	48.8	46.5	48.8
65°	42.8	43.4	43.9	44.5	45.1	44.8	43.6	42.5	41.3	40.1	41.3
67.5°	37.7	38.3	38.9	38.7	38.2	37.9	37.8	37.4	36.3	35.3	36.3
70°	33.4	34.0	34.6	34.7	34.7	34.4	33.9	33.3	32.7	32.1	32.7
72.5°	30.2	30.8	31.4	31.2	30.7	30.4	30.3	29.9	28.9	27.8	28.9
75°	25.4	25.4	25.4	25.4	25.4	25.1	24.5	23.9	23.3	22.7	23.3
77.5°	19.2	19.8	20.4	20.1	19.5	19.2	19.2	19.1	18.5	17.9	18.5
80°	16.0	16.6	17.2	16.9	16.3	16.0	16.0	15.9	15.3	14.7	15.3
82.5°	12.8	12.9	13.1	13.0	12.9	12.8	12.8	12.7	12.1	11.5	12.1
85°	8.0	8.0	8.0	7.6	7.0	6.7	6.7	6.7	6.7	6.7	6.7
87.5°	2.9	4.5	6.3	7.1	7.5	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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CATALOG NUMBER: SQ2W-WBM-K-100U-100D-L935-UNV-STD-W-WM-4

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°	2787.4	2787.4	2787.4	2787.4	2787.4	2787.4	2787.4	2787.4	2787.4	2787.4	2787.4
2.5°	2794.2	2787.0	2776.5	2776.3	2786.3	2794.6	2797.9	2801.3	2797.9	2794.6	2786.3
5°	2804.3	2792.3	2775.6	2773.0	2784.2	2793.7	2797.9	2802.1	2797.9	2793.7	2784.2
7.5°	2803.2	2794.5	2781.9	2779.9	2788.6	2795.6	2797.3	2799.1	2797.3	2795.6	2788.6
10°	2800.3	2790.9	2777.9	2777.6	2790.0	2799.2	2798.6	2798.0	2798.6	2799.2	2790.0
12.5°	2789.0	2782.4	2772.2	2776.1	2794.3	2806.7	2801.8	2797.0	2801.8	2806.7	2794.3
15°	2752.5	2754.0	2754.0	2766.7	2792.3	2809.0	2799.5	2790.0	2799.5	2809.0	2792.3
17.5°	2686.7	2695.3	2704.5	2726.1	2760.2	2782.9	2771.6	2760.4	2771.6	2782.9	2760.2
20°	2628.9	2640.8	2655.7	2683.0	2722.8	2749.8	2738.5	2727.2	2738.5	2749.8	2722.8
22.5°	2568.6	2582.0	2598.3	2627.8	2670.4	2699.3	2687.1	2674.8	2687.1	2699.3	2670.4
25°	2471.7	2482.3	2494.1	2521.7	2565.1	2595.2	2585.7	2576.2	2585.7	2595.2	2565.1
27.5°	2332.4	2344.8	2358.3	2385.4	2426.0	2455.2	2450.0	2444.8	2450.0	2455.2	2426.0
30°	2225.3	2242.2	2260.0	2284.9	2317.0	2340.5	2338.1	2335.7	2338.1	2340.5	2317.0
32.5°	2107.3	2122.8	2139.7	2162.2	2190.5	2211.1	2208.7	2206.4	2208.7	2211.1	2190.5
35°	1898.5	1916.1	1935.7	1954.1	1971.4	1984.6	1985.8	1987.0	1985.8	1984.6	1971.4
37.5°	1647.8	1662.3	1677.8	1692.3	1706.0	1715.8	1714.2	1712.5	1714.2	1715.8	1706.0
40°	1449.1	1466.7	1489.3	1506.2	1517.5	1525.7	1524.5	1523.3	1524.5	1525.7	1517.5
42.5°	1255.0	1271.5	1288.8	1305.3	1320.8	1328.0	1310.2	1292.4	1310.2	1328.0	1320.8
45°	939.8	969.7	990.4	1000.8	1000.8	987.3	933.3	879.2	933.3	987.3	1000.8
47.5°	553.8	617.4	679.2	693.4	660.0	619.6	558.1	496.5	558.1	619.6	660.0
50°	332.3	402.2	487.7	502.9	447.6	395.8	354.2	312.7	354.2	395.8	447.6
52.5°	234.5	291.7	364.0	371.0	312.9	264.1	243.0	221.8	243.0	264.1	312.9
55°	145.8	171.5	204.1	205.9	176.8	153.1	145.4	137.6	145.4	153.1	176.8
57.5°	97.8	108.2	119.6	119.6	108.2	97.7	89.7	81.8	89.7	97.7	108.2
60°	63.8	74.4	86.3	87.4	77.9	69.2	62.7	56.1	62.7	69.2	77.9
62.5°	51.0	58.7	68.2	68.9	60.8	54.1	51.4	48.6	51.4	54.1	60.8
65°	42.5	43.6	44.8	45.1	44.5	43.9	43.4	42.8	43.4	43.9	44.5
67.5°	37.4	37.8	37.9	38.2	38.7	38.9	38.3	37.7	38.3	38.9	38.7
70°	33.3	33.9	34.4	34.7	34.7	34.6	34.0	33.4	34.0	34.6	34.7
72.5°	29.9	30.3	30.4	30.7	31.2	31.4	30.8	30.2	30.8	31.4	31.2
75°	23.9	24.5	25.1	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
77.5°	19.1	19.2	19.2	19.5	20.1	20.4	19.8	19.2	19.8	20.4	20.1
80°	15.9	16.0	16.0	16.3	16.9	17.2	16.6	16.0	16.6	17.2	16.9
82.5°	12.7	12.8	12.8	12.9	13.0	13.1	12.9	12.8	12.9	13.1	13.0
85°	6.7	6.7	6.7	7.0	7.6	8.0	8.0	8.0	8.0	8.0	7.6
87.5°	7.8	7.5	7.5	7.5	7.1	6.3	4.5	2.9	4.5	6.0	7.7
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: P1428546

CATALOG NUMBER: SQ2W-WBM-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: P1428546

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2787.4	2787.4	2787.4	2787.4	2787.4	2787.4	2787.4	2787.4	2787.4	2787.4	2787.4
2.5°	2776.3	2776.5	2787.0	2794.2	2791.9	2789.5	2791.9	2794.2	2787.0	2776.5	2776.3
5°	2773.0	2775.6	2792.3	2804.3	2802.5	2800.7	2802.5	2804.3	2792.3	2775.6	2773.0
7.5°	2779.9	2781.9	2794.5	2803.2	2800.5	2797.8	2800.5	2803.2	2794.5	2781.9	2779.9
10°	2777.6	2777.9	2790.9	2800.3	2798.5	2796.7	2798.5	2800.3	2790.9	2777.9	2777.6
12.5°	2776.1	2772.2	2782.4	2789.0	2784.8	2780.7	2784.8	2789.0	2782.4	2772.2	2776.1
15°	2766.7	2754.0	2754.0	2752.5	2746.5	2740.6	2746.5	2752.5	2754.0	2754.0	2766.7
17.5°	2726.1	2704.5	2695.3	2686.7	2679.4	2672.2	2679.4	2686.7	2695.3	2704.5	2726.1
20°	2683.0	2655.7	2640.8	2628.9	2626.0	2623.0	2626.0	2628.9	2640.8	2655.7	2683.0
22.5°	2627.8	2598.3	2582.0	2568.6	2563.7	2558.9	2563.7	2568.6	2582.0	2598.3	2627.8
25°	2521.7	2494.1	2482.3	2471.7	2465.2	2458.6	2465.2	2471.7	2482.3	2494.1	2521.7
27.5°	2385.4	2358.3	2344.8	2332.4	2323.4	2314.3	2323.4	2332.4	2344.8	2358.3	2385.4
30°	2284.9	2260.0	2242.2	2225.3	2211.0	2196.7	2211.0	2225.3	2242.2	2260.0	2284.9
32.5°	2162.2	2139.7	2122.8	2107.3	2095.9	2084.5	2095.9	2107.3	2122.8	2139.7	2162.2
35°	1954.1	1935.7	1916.1	1898.5	1886.6	1874.7	1886.6	1898.5	1916.1	1935.7	1954.1
37.5°	1692.3	1677.8	1662.3	1647.8	1635.8	1623.8	1635.8	1647.8	1662.3	1677.8	1692.3
40°	1506.2	1489.3	1466.7	1449.1	1446.1	1443.1	1446.1	1449.1	1466.7	1489.3	1506.2
42.5°	1305.3	1288.8	1271.5	1255.0	1241.1	1227.2	1241.1	1255.0	1271.5	1288.8	1305.3
45°	1000.8	990.4	969.7	939.8	882.8	825.8	882.8	939.8	969.7	990.4	1000.8
47.5°	693.4	679.2	617.4	553.8	484.5	415.3	484.5	553.8	617.4	679.2	693.4
50°	502.9	487.7	402.2	332.3	309.1	286.0	309.1	332.3	402.2	487.7	502.9
52.5°	371.0	364.0	291.7	234.5	222.3	210.1	222.3	234.5	291.7	364.0	371.0
55°	205.9	204.1	171.5	145.8	141.0	136.3	141.0	145.8	171.5	204.1	205.9
57.5°	119.6	119.6	108.2	97.8	90.3	82.8	90.3	97.8	108.2	119.6	119.6
60°	87.4	86.3	74.4	63.8	57.3	50.8	57.3	63.8	74.4	86.3	87.4
62.5°	68.9	68.2	58.7	51.0	48.8	46.5	48.8	51.0	58.7	68.2	68.9
65°	45.1	44.8	43.6	42.5	41.3	40.1	41.3	42.5	43.6	44.8	45.1
67.5°	38.2	37.9	37.8	37.4	36.3	35.3	36.3	37.4	37.8	37.9	38.2
70°	34.7	34.4	33.9	33.3	32.7	32.1	32.7	33.3	33.9	34.4	34.7
72.5°	30.7	30.4	30.3	29.9	28.9	27.8	28.9	29.9	30.3	30.4	30.7
75°	25.4	25.1	24.5	23.9	23.3	22.7	23.3	23.9	24.5	25.1	25.4
77.5°	19.5	19.2	19.2	19.1	18.5	17.9	18.5	19.1	19.2	19.2	19.5
80°	16.3	16.0	16.0	15.9	15.3	14.7	15.3	15.9	16.0	16.0	16.3
82.5°	12.9	12.8	12.8	12.7	12.1	11.5	12.1	12.7	12.8	12.8	12.9
85°	7.0	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	7.0
87.5°	8.5	10.2	12.0	13.1	14.2	13.6	14.2	13.1	12.0	10.2	8.5
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	89.1	77.6	61.8	61.8
95°	124.4	143.1	161.8	175.2	183.2	180.6	183.2	161.8	143.1	124.4	124.4
97.5°	191.8	216.9	237.8	250.4	258.4	263.8	258.4	237.8	216.9	191.8	191.8
100°	236.7	260.8	284.9	299.6	313.0	318.3	313.0	284.9	260.8	236.7	236.7
102.5°	273.1	304.7	330.9	346.7	357.9	363.3	357.9	330.9	304.7	273.1	273.1
105°	333.0	366.5	394.6	414.6	426.7	430.7	426.7	394.6	366.5	333.0	333.0
107.5°	393.0	427.5	453.4	475.6	490.3	498.9	490.3	453.4	427.5	393.0	393.0
110°	440.1	468.1	496.2	516.3	531.0	536.4	531.0	496.2	468.1	440.1	440.1



TEST NUMBER: P1428546

CATALOG NUMBER: SQ2W-WBM-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: P1428546

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2787.4	2787.4	2787.4	2787.4
2.5°	2786.3	2794.6	2797.9	2801.3
5°	2784.2	2793.7	2797.9	2802.1
7.5°	2788.6	2795.6	2797.3	2799.1
10°	2790.0	2799.2	2798.6	2798.0
12.5°	2794.3	2806.7	2801.8	2797.0
15°	2792.3	2809.0	2799.5	2790.0
17.5°	2760.2	2782.9	2771.6	2760.4
20°	2722.8	2749.8	2738.5	2727.2
22.5°	2670.4	2699.3	2687.1	2674.8
25°	2565.1	2595.2	2585.7	2576.2
27.5°	2426.0	2455.2	2450.0	2444.8
30°	2317.0	2340.5	2338.1	2335.7
32.5°	2190.5	2211.1	2208.7	2206.4
35°	1971.4	1984.6	1985.8	1987.0
37.5°	1706.0	1715.8	1714.2	1712.5
40°	1517.5	1525.7	1524.5	1523.3
42.5°	1320.8	1328.0	1310.2	1292.4
45°	1000.8	987.3	933.3	879.2
47.5°	660.0	619.6	558.1	496.5
50°	447.6	395.8	354.2	312.7
52.5°	312.9	264.1	243.0	221.8
55°	176.8	153.1	145.4	137.6
57.5°	108.2	97.7	89.7	81.8
60°	77.9	69.2	62.7	56.1
62.5°	60.8	54.1	51.4	48.6
65°	44.5	43.9	43.4	42.8
67.5°	38.7	38.9	38.3	37.7
70°	34.7	34.6	34.0	33.4
72.5°	31.2	31.4	30.8	30.2
75°	25.4	25.4	25.4	25.4
77.5°	20.1	20.4	19.8	19.2
80°	16.9	17.2	16.6	16.0
82.5°	13.0	13.1	12.9	12.8
85°	7.6	8.0	8.0	8.0
87.5°	7.7	6.0	4.5	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: P1428546

CATALOG NUMBER: SQ2W-WBM-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: P1428546
 CATALOG NUMBER: SQ2W-WBM-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	5.44	6.18	6.40	7.13	8.37	5.42	6.16	6.39	7.11	8.35
	3H	6.13	6.78	7.10	7.75	9.01	6.04	6.70	7.02	7.66	8.92
	4H	6.49	7.11	7.48	8.07	9.35	6.35	6.96	7.34	7.93	9.20
	6H	6.76	7.32	7.76	8.30	9.58	6.58	7.14	7.58	8.12	9.40
	8H	6.88	7.41	7.88	8.40	9.68	6.68	7.21	7.68	8.20	9.48
	12H	6.96	7.46	7.96	8.44	9.75	6.73	7.24	7.74	8.22	9.52
4H	2H	5.53	6.15	6.53	7.11	8.39	5.52	6.13	6.51	7.10	8.37
	3H	6.47	6.98	7.47	7.98	9.26	6.39	6.89	7.39	7.89	9.17
	4H	6.98	7.44	7.98	8.43	9.74	6.83	7.29	7.84	8.28	9.59
	6H	7.40	7.80	8.42	8.81	10.12	7.20	7.60	8.22	8.61	9.92
	8H	7.59	7.96	8.61	8.96	10.28	7.37	7.74	8.39	8.74	10.06
	12H	7.71	8.04	8.75	9.07	10.39	7.46	7.79	8.49	8.81	10.14
8H	4H	7.09	7.46	8.11	8.47	9.79	6.96	7.32	7.98	8.33	9.65
	6H	7.67	7.97	8.71	9.02	10.34	7.48	7.78	8.52	8.83	10.14
	8H	7.96	8.22	9.01	9.26	10.59	7.74	8.01	8.79	9.05	10.38
	12H	8.17	8.41	9.22	9.43	10.82	7.91	8.15	8.96	9.18	10.56
12H	4H	7.07	7.40	8.11	8.42	9.75	6.94	7.27	7.98	8.29	9.62
	6H	7.70	7.97	8.75	9.00	10.34	7.52	7.79	8.57	8.82	10.16
	8H	8.03	8.26	9.08	9.29	10.67	7.82	8.06	8.87	9.08	10.47