

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: P1427540

Luminaire Tested: SQ2W-BBM-K-100U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427540
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-BBM-K-100U-125D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - BLACK DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 1000 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

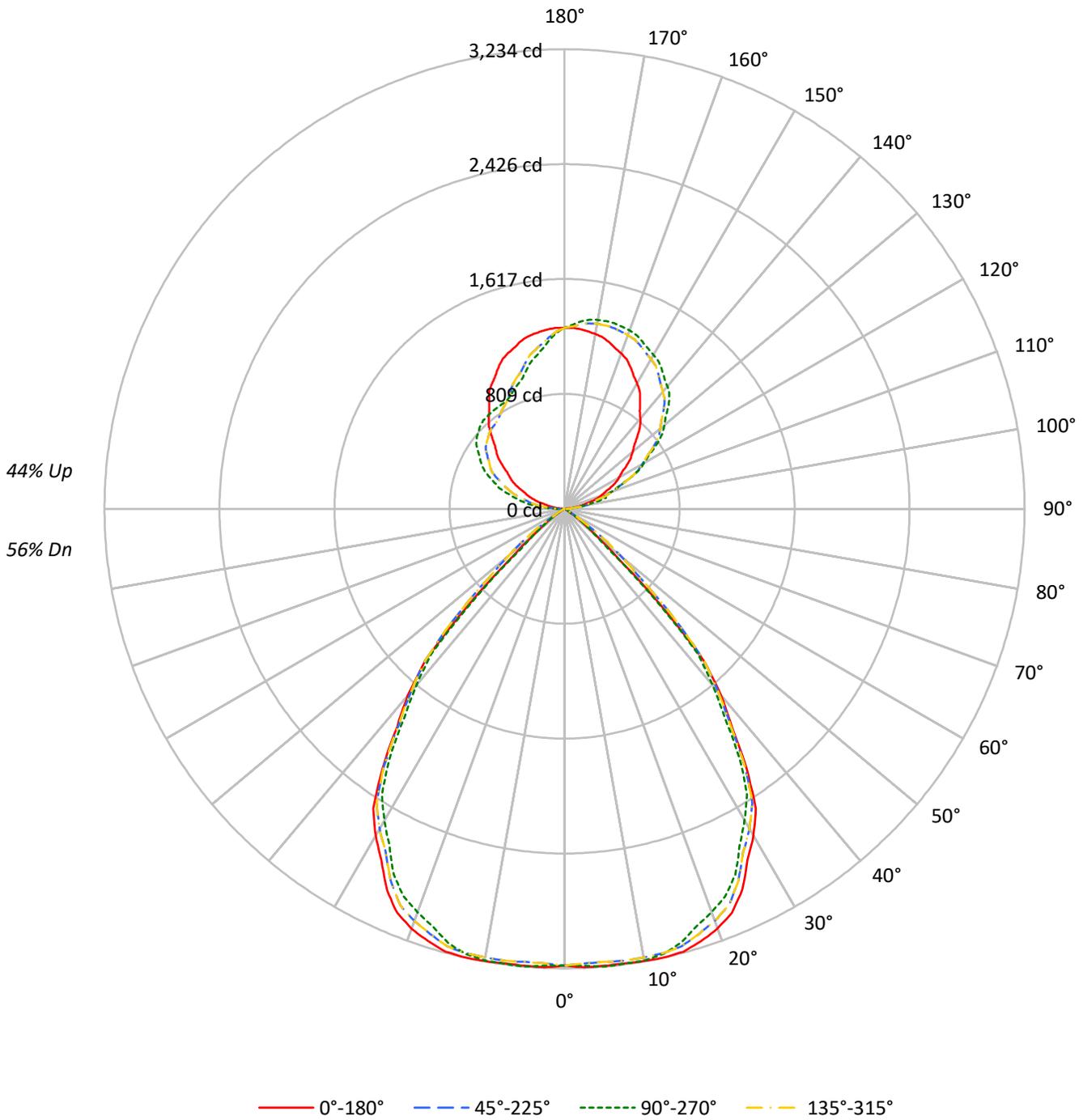
Lumens per Lamp: N/A
Luminaire Lumens: 8529.6 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 82.9
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

TEST NUMBER: P1427540

CATALOG NUMBER: SQ2W-BBM-K-100U-125D-L930-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427540

CATALOG NUMBER: SQ2W-BBM-K-100U-125D-L930-UNV-STD-W-WM-4

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	56				
1	101	98	95	92	94	91	89	86	79	78	76	68	67	66	58	57	57	52				
2	94	88	83	79	88	83	78	75	72	69	67	63	61	59	54	53	51	47				
3	88	80	74	69	82	75	70	66	66	62	59	58	55	53	50	48	47	43				
4	81	72	66	61	76	68	62	58	61	56	53	53	50	47	47	44	42	39				
5	76	66	59	54	71	62	56	51	55	51	47	49	46	43	43	41	39	36				
6	71	60	53	48	66	57	51	46	51	46	42	45	42	39	40	37	35	33				
7	66	55	48	43	62	52	46	42	47	42	38	42	38	35	37	34	32	30				
8	62	51	44	39	58	48	42	38	43	38	35	39	35	32	35	32	30	27				
9	58	47	40	35	54	45	38	34	40	35	32	36	32	30	32	29	27	25				
10	54	43	37	32	51	41	35	31	37	33	29	34	30	27	30	27	25	23				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	51908	51908	51908	51908
5°	52315	52393	52315	52393
10°	52973	52894	52973	52894
15°	53928	52853	53928	52853
20°	53997	51896	53997	51896
25°	52662	50599	52662	50599
30°	49503	47195	49503	47195
35°	43936	42288	43936	42288
40°	36032	34102	36032	34102
45°	21484	20162	21484	20162
50°	6707	6342	6707	6342
55°	2536	2536	2536	2536
60°	155	52	155	52
65°	0	0	0	0
70°	0	0	0	0
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 25151 cd/sqm



TEST NUMBER: P1427540

CATALOG NUMBER: SQ2W-BBM-K-100U-125D-L930-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	307.4	3.6
10°-20°	900.5	10.6
20°-30°	1324.8	15.5
30°-40°	1354.0	15.9
40°-50°	780.0	9.1
50°-60°	134.2	1.6
60°-70°	4.8	0.1
70°-80°	0.0	0.0
80°-90°	6.8	0.1
90°-100°	101.4	1.2
100°-110°	295.6	3.5
110°-120°	482.4	5.7
120°-130°	612.1	7.2
130°-140°	655.0	7.7
140°-150°	611.6	7.2
150°-160°	503.3	5.9
160°-170°	337.5	4.0
170°-180°	119.8	1.4
0°-30°	2532.6	29.7
0°-40°	3886.6	45.6
0°-60°	4800.9	56.3
0°-90°	4812.4	56.4
90°-120°	879.3	10.3
90°-150°	2758.0	32.3
90°-180°	3719.0	43.6
0°-180°	8529.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3215	3215	3215	3215	3215	
5°	3228	3233	3228	3233	3228	308
15°	3226	3162	3226	3162	3226	908
25°	2956	2840	2956	2840	2956	1349
35°	2229	2146	2229	2146	2229	1377
45°	941	883	941	883	941	728
55°	90	90	90	90	90	95
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	4	28	4	55	4	3
95°	40	30	40	174	40	48
105°	188	301	188	414	188	200
115°	360	499	360	615	360	355
125°	533	791	533	754	533	477
135°	724	1036	724	835	724	560
145°	925	1194	925	853	925	579
155°	1099	1297	1099	885	1099	505
165°	1214	1352	1214	1019	1214	342
175°	1270	1324	1270	1195	1270	120
180°	1274	1274	1274	1274	1274	



TEST NUMBER: P1427540

CATALOG NUMBER: SQ2W-BBM-K-100U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0
2.5°	3229.2	3225.2	3221.2	3211.6	3200.2	3201.0	3214.2	3223.3	3220.5	3217.6	3220.5
5°	3227.9	3224.3	3220.8	3210.7	3198.6	3202.2	3221.5	3235.6	3234.2	3232.7	3234.2
7.5°	3226.0	3223.5	3221.1	3214.1	3205.5	3209.1	3225.0	3236.0	3232.4	3228.9	3232.4
10°	3231.1	3230.4	3229.7	3218.8	3204.5	3205.6	3222.0	3233.4	3229.9	3226.3	3229.9
12.5°	3233.7	3238.1	3242.6	3226.9	3204.6	3200.0	3213.0	3221.1	3214.7	3208.3	3214.7
15°	3226.3	3238.4	3250.6	3228.4	3194.8	3179.1	3181.3	3180.5	3171.3	3162.0	3171.3
17.5°	3190.3	3207.4	3224.6	3195.3	3150.6	3124.3	3116.4	3107.2	3094.1	3080.9	3094.1
20°	3142.7	3162.7	3182.7	3150.7	3101.4	3069.9	3056.3	3043.3	3031.9	3020.4	3031.9
22.5°	3075.8	3094.1	3112.4	3081.7	3034.6	3002.6	2985.6	2970.5	2961.4	2952.2	2961.4
25°	2956.1	2968.2	2980.4	2949.1	2903.4	2874.1	2861.2	2850.3	2845.3	2840.3	2845.3
27.5°	2786.6	2790.0	2793.4	2768.6	2734.3	2709.1	2693.1	2679.5	2673.0	2666.6	2673.0
30°	2655.3	2655.3	2655.3	2636.0	2610.3	2588.9	2571.7	2555.8	2543.7	2531.5	2543.7
32.5°	2502.2	2500.5	2498.8	2484.6	2466.3	2447.8	2428.9	2411.7	2399.5	2387.4	2399.5
35°	2229.1	2237.0	2244.9	2235.0	2219.3	2202.2	2183.6	2166.9	2156.2	2145.5	2156.2
37.5°	1933.5	1936.5	1939.5	1931.4	1919.5	1903.6	1883.6	1866.3	1857.3	1848.3	1857.3
40°	1709.6	1710.4	1711.1	1701.1	1687.5	1673.5	1659.3	1645.1	1631.6	1618.0	1631.6
42.5°	1448.5	1462.9	1477.3	1471.2	1458.2	1440.2	1417.4	1398.8	1393.2	1387.7	1393.2
45°	940.9	1004.5	1068.1	1091.5	1101.5	1093.7	1067.9	1030.2	956.6	883.0	956.6
47.5°	472.8	552.0	631.2	686.1	732.9	719.6	646.2	571.7	493.8	415.9	493.8
50°	267.0	314.2	361.3	434.8	517.0	503.4	394.0	305.4	279.0	252.5	279.0
52.5°	178.2	199.1	219.9	279.1	351.0	346.3	264.9	200.2	185.2	170.2	185.2
55°	90.1	95.8	101.5	127.6	160.5	159.8	125.4	98.6	94.4	90.1	94.4
57.5°	30.6	38.3	46.0	57.6	70.4	70.8	58.7	47.8	40.8	33.8	40.8
60°	4.8	12.0	19.1	28.4	38.4	37.3	25.2	14.5	8.0	1.6	8.0
62.5°	1.0	3.0	5.0	12.5	22.0	21.8	11.9	4.0	2.2	0.3	2.2
65°	0.0	0.0	0.0	0.5	1.3	1.3	0.5	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	1.8	3.1	4.1	4.9	5.1	5.1	5.4	5.7	5.7	5.7
90°	3.9	9.0	15.4	20.6	24.4	25.7	25.7	27.0	28.3	28.3	28.3
92.5°	14.2	22.4	22.6	22.6	27.5	29.8	31.9	32.2	33.4	33.4	33.4
95°	39.9	43.7	65.6	64.3	43.7	34.7	29.6	29.6	29.6	29.6	29.6
97.5°	76.2	81.8	85.4	114.5	120.9	116.8	95.2	80.0	71.5	67.7	71.5
100°	108.1	110.6	118.4	119.6	151.8	182.7	167.2	147.9	141.5	137.6	141.5
102.5°	140.0	141.5	153.3	158.7	166.2	183.7	237.2	231.3	226.9	226.2	226.9
105°	187.8	189.1	211.0	221.3	226.4	226.4	225.1	250.9	292.0	301.0	292.0
107.5°	239.0	244.9	270.7	298.2	304.1	305.7	299.0	295.1	293.6	294.6	293.6
110°	274.0	283.0	313.9	348.6	357.6	360.2	357.6	353.8	351.2	351.2	351.2



TEST NUMBER: P1427540

CATALOG NUMBER: SQ2W-BBM-K-100U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	308.0	321.1	356.1	396.0	411.1	418.9	413.2	410.4	407.8	409.9	407.8
115°	360.2	379.5	425.8	467.0	497.9	501.7	500.4	500.4	499.1	499.1	499.1
117.5°	408.6	439.5	491.4	539.3	575.0	585.3	590.5	588.9	587.4	590.0	587.4
120°	442.5	478.6	537.7	591.8	626.5	641.9	647.1	644.5	647.1	644.5	647.1
122.5°	478.6	522.8	581.0	637.0	678.0	695.5	701.6	702.1	702.7	701.1	702.7
125°	532.6	586.6	654.8	712.7	755.1	775.7	780.9	782.2	784.7	791.2	784.7
127.5°	587.1	648.4	723.2	779.1	822.6	847.5	855.5	858.3	863.7	866.6	863.7
130°	625.2	694.7	770.6	823.3	865.8	892.8	906.9	910.8	917.2	916.0	917.2
132.5°	665.4	737.9	814.8	869.6	909.0	938.1	950.2	961.2	963.5	965.4	963.5
135°	724.3	802.7	879.9	934.0	971.3	999.6	1015.0	1025.3	1031.7	1035.6	1031.7
137.5°	786.3	869.1	943.2	991.3	1028.9	1053.3	1070.8	1081.6	1088.3	1091.4	1088.3
140°	828.5	908.2	980.3	1030.4	1063.9	1088.3	1103.8	1116.6	1124.4	1124.4	1124.4
142.5°	868.6	947.3	1017.3	1067.5	1096.8	1119.2	1135.7	1145.5	1154.2	1154.2	1154.2
145°	925.0	1003.4	1067.8	1117.9	1142.4	1162.9	1181.0	1188.7	1193.8	1193.8	1193.8
147.5°	983.9	1053.3	1112.0	1160.1	1180.7	1204.9	1219.0	1225.2	1231.6	1228.8	1231.6
150°	1018.9	1083.2	1139.8	1184.8	1205.4	1228.6	1242.7	1247.9	1254.3	1250.4	1254.3
152.5°	1052.8	1114.1	1165.5	1207.5	1225.0	1248.1	1264.3	1269.5	1273.8	1271.0	1273.8
155°	1098.6	1152.7	1200.3	1238.8	1254.3	1276.2	1291.6	1298.0	1303.2	1296.7	1303.2
157.5°	1139.5	1186.1	1227.5	1263.0	1279.5	1298.3	1312.7	1320.7	1325.8	1323.0	1325.8
160°	1164.2	1206.7	1244.0	1277.4	1292.9	1309.6	1325.0	1334.0	1339.2	1335.3	1339.2
162.5°	1184.8	1223.2	1258.4	1288.8	1302.1	1316.8	1335.3	1343.3	1348.5	1343.6	1348.5
165°	1214.4	1245.3	1276.2	1301.9	1313.5	1325.0	1344.3	1353.3	1357.2	1352.1	1357.2
167.5°	1236.8	1260.5	1285.4	1307.5	1316.0	1327.4	1346.7	1354.1	1359.0	1352.6	1359.0
170°	1249.1	1269.7	1291.6	1309.6	1316.0	1326.3	1345.6	1352.1	1355.9	1349.5	1355.9
172.5°	1259.4	1274.9	1292.6	1308.6	1311.9	1320.2	1338.4	1344.9	1347.7	1342.3	1347.7
175°	1269.7	1278.7	1291.6	1301.9	1300.6	1305.7	1321.2	1326.3	1331.5	1323.8	1331.5
177.5°	1274.6	1278.7	1282.8	1289.0	1284.9	1284.9	1296.2	1299.3	1300.3	1296.2	1300.3
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1427540

CATALOG NUMBER: SQ2W-BBM-K-100U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0
2.5°	3223.3	3214.2	3201.0	3200.2	3211.6	3221.2	3225.2	3229.2	3225.2	3221.2	3211.6
5°	3235.6	3221.5	3202.2	3198.6	3210.7	3220.8	3224.3	3227.9	3224.3	3220.8	3210.7
7.5°	3236.0	3225.0	3209.1	3205.5	3214.1	3221.1	3223.5	3226.0	3223.5	3221.1	3214.1
10°	3233.4	3222.0	3205.6	3204.5	3218.8	3229.7	3230.4	3231.1	3230.4	3229.7	3218.8
12.5°	3221.1	3213.0	3200.0	3204.6	3226.9	3242.6	3238.1	3233.7	3238.1	3242.6	3226.9
15°	3180.5	3181.3	3179.1	3194.8	3228.4	3250.6	3238.4	3226.3	3238.4	3250.6	3228.4
17.5°	3107.2	3116.4	3124.3	3150.6	3195.3	3224.6	3207.4	3190.3	3207.4	3224.6	3195.3
20°	3043.3	3056.3	3069.9	3101.4	3150.7	3182.7	3162.7	3142.7	3162.7	3182.7	3150.7
22.5°	2970.5	2985.6	3002.6	3034.6	3081.7	3112.4	3094.1	3075.8	3094.1	3112.4	3081.7
25°	2850.3	2861.2	2874.1	2903.4	2949.1	2980.4	2968.2	2956.1	2968.2	2980.4	2949.1
27.5°	2679.5	2693.1	2709.1	2734.3	2768.6	2793.4	2790.0	2786.6	2790.0	2793.4	2768.6
30°	2555.8	2571.7	2588.9	2610.3	2636.0	2655.3	2655.3	2655.3	2655.3	2655.3	2636.0
32.5°	2411.7	2428.9	2447.8	2466.3	2484.6	2498.8	2500.5	2502.2	2500.5	2498.8	2484.6
35°	2166.9	2183.6	2202.2	2219.3	2235.0	2244.9	2237.0	2229.1	2237.0	2244.9	2235.0
37.5°	1866.3	1883.6	1903.6	1919.5	1931.4	1939.5	1936.5	1933.5	1936.5	1939.5	1931.4
40°	1645.1	1659.3	1673.5	1687.5	1701.1	1711.1	1710.4	1709.6	1710.4	1711.1	1701.1
42.5°	1398.8	1417.4	1440.2	1458.2	1471.2	1477.3	1462.9	1448.5	1462.9	1477.3	1471.2
45°	1030.2	1067.9	1093.7	1101.5	1091.5	1068.1	1004.5	940.9	1004.5	1068.1	1091.5
47.5°	571.7	646.2	719.6	732.9	686.1	631.2	552.0	472.8	552.0	631.2	686.1
50°	305.4	394.0	503.4	517.0	434.8	361.3	314.2	267.0	314.2	361.3	434.8
52.5°	200.2	264.9	346.3	351.0	279.1	219.9	199.1	178.2	199.1	219.9	279.1
55°	98.6	125.4	159.8	160.5	127.6	101.5	95.8	90.1	95.8	101.5	127.6
57.5°	47.8	58.7	70.8	70.4	57.6	46.0	38.3	30.6	38.3	46.0	57.6
60°	14.5	25.2	37.3	38.4	28.4	19.1	12.0	4.8	12.0	19.1	28.4
62.5°	4.0	11.9	21.8	22.0	12.5	5.0	3.0	1.0	3.0	5.0	12.5
65°	0.0	0.5	1.3	1.3	0.5	0.0	0.0	0.0	0.0	0.0	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.4	5.1	5.1	4.9	4.1	3.1	1.8	0.8	1.8	2.8	4.6
90°	27.0	25.7	25.7	24.4	20.6	15.4	9.0	3.9	9.0	14.2	23.2
92.5°	32.2	31.9	29.8	27.5	22.6	22.6	22.4	14.2	24.4	34.7	49.9
95°	29.6	29.6	34.7	43.7	64.3	65.6	43.7	39.9	56.6	79.8	100.3
97.5°	80.0	95.2	116.8	120.9	114.5	85.4	81.8	76.2	103.7	126.6	159.8
100°	147.9	167.2	182.7	151.8	119.6	118.4	110.6	108.1	137.6	159.5	191.7
102.5°	231.3	237.2	183.7	166.2	158.7	153.3	141.5	140.0	169.6	199.7	226.7
105°	250.9	225.1	226.4	226.4	221.3	211.0	189.1	187.8	221.3	256.0	289.5
107.5°	295.1	299.0	305.7	304.1	298.2	270.7	244.9	239.0	269.1	310.8	347.6
110°	353.8	357.6	360.2	357.6	348.6	313.9	283.0	274.0	301.0	344.8	384.6



TEST NUMBER: P1427540

CATALOG NUMBER: SQ2W-BBM-K-100U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	410.4	413.2	418.9	411.1	396.0	356.1	321.1	308.0	335.0	379.8	420.7
115°	500.4	500.4	501.7	497.9	467.0	425.8	379.5	360.2	383.4	424.5	469.6
117.5°	588.9	590.5	585.3	575.0	539.3	491.4	439.5	408.6	426.8	470.3	516.6
120°	644.5	647.1	641.9	626.5	591.8	537.7	478.6	442.5	456.7	499.1	545.5
122.5°	702.1	701.6	695.5	678.0	637.0	581.0	522.8	478.6	484.5	523.8	569.1
125°	782.2	780.9	775.7	755.1	712.7	654.8	586.6	532.6	524.9	558.3	604.6
127.5°	858.3	855.5	847.5	822.6	779.1	723.2	648.4	587.1	569.9	591.0	633.4
130°	910.8	906.9	892.8	865.8	823.3	770.6	694.7	625.2	600.8	613.6	650.9
132.5°	961.2	950.2	938.1	909.0	869.6	814.8	737.9	665.4	631.6	637.3	666.4
135°	1025.3	1015.0	999.6	971.3	934.0	879.9	802.7	724.3	678.0	672.8	689.5
137.5°	1081.6	1070.8	1053.3	1028.9	991.3	943.2	869.1	786.3	727.9	710.6	717.1
140°	1116.6	1103.8	1088.3	1063.9	1030.4	980.3	908.2	828.5	762.9	738.4	734.6
142.5°	1145.5	1135.7	1119.2	1096.8	1067.5	1017.3	947.3	868.6	798.9	767.2	758.2
145°	1188.7	1181.0	1162.9	1142.4	1117.9	1067.8	1003.4	925.0	855.5	814.3	795.0
147.5°	1225.2	1219.0	1204.9	1180.7	1160.1	1112.0	1053.3	983.9	912.6	861.7	836.7
150°	1247.9	1242.7	1228.6	1205.4	1184.8	1139.8	1083.2	1018.9	950.7	896.7	864.5
152.5°	1269.5	1264.3	1248.1	1225.0	1207.5	1165.5	1114.1	1052.8	983.6	929.6	896.4
155°	1298.0	1291.6	1276.2	1254.3	1238.8	1200.3	1152.7	1098.6	1039.4	982.8	945.5
157.5°	1320.7	1312.7	1298.3	1279.5	1263.0	1227.5	1186.1	1139.5	1087.8	1033.8	995.7
160°	1334.0	1325.0	1309.6	1292.9	1277.4	1244.0	1206.7	1164.2	1116.6	1067.8	1026.6
162.5°	1343.3	1335.3	1316.8	1302.1	1288.8	1258.4	1223.2	1184.8	1142.4	1099.7	1061.6
165°	1353.3	1344.3	1325.0	1313.5	1301.9	1276.2	1245.3	1214.4	1178.4	1143.7	1112.8
167.5°	1354.1	1346.7	1327.4	1316.0	1307.5	1285.4	1260.5	1236.8	1208.7	1181.5	1155.7
170°	1352.1	1345.6	1326.3	1316.0	1309.6	1291.6	1269.7	1249.1	1227.3	1204.1	1183.5
172.5°	1344.9	1338.4	1320.2	1311.9	1308.6	1292.6	1274.9	1259.4	1240.7	1223.7	1207.2
175°	1326.3	1321.2	1305.7	1300.6	1301.9	1291.6	1278.7	1269.7	1258.1	1247.9	1238.8
177.5°	1299.3	1296.2	1284.9	1284.9	1289.0	1282.8	1278.7	1274.6	1269.5	1266.4	1263.3
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1427540

CATALOG NUMBER: SQ2W-BBM-K-100U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0
2.5°	3200.2	3201.0	3214.2	3223.3	3220.5	3217.6	3220.5	3223.3	3214.2	3201.0	3200.2
5°	3198.6	3202.2	3221.5	3235.6	3234.2	3232.7	3234.2	3235.6	3221.5	3202.2	3198.6
7.5°	3205.5	3209.1	3225.0	3236.0	3232.4	3228.9	3232.4	3236.0	3225.0	3209.1	3205.5
10°	3204.5	3205.6	3222.0	3233.4	3229.9	3226.3	3229.9	3233.4	3222.0	3205.6	3204.5
12.5°	3204.6	3200.0	3213.0	3221.1	3214.7	3208.3	3214.7	3221.1	3213.0	3200.0	3204.6
15°	3194.8	3179.1	3181.3	3180.5	3171.3	3162.0	3171.3	3180.5	3181.3	3179.1	3194.8
17.5°	3150.6	3124.3	3116.4	3107.2	3094.1	3080.9	3094.1	3107.2	3116.4	3124.3	3150.6
20°	3101.4	3069.9	3056.3	3043.3	3031.9	3020.4	3031.9	3043.3	3056.3	3069.9	3101.4
22.5°	3034.6	3002.6	2985.6	2970.5	2961.4	2952.2	2961.4	2970.5	2985.6	3002.6	3034.6
25°	2903.4	2874.1	2861.2	2850.3	2845.3	2840.3	2845.3	2850.3	2861.2	2874.1	2903.4
27.5°	2734.3	2709.1	2693.1	2679.5	2673.0	2666.6	2673.0	2679.5	2693.1	2709.1	2734.3
30°	2610.3	2588.9	2571.7	2555.8	2543.7	2531.5	2543.7	2555.8	2571.7	2588.9	2610.3
32.5°	2466.3	2447.8	2428.9	2411.7	2399.5	2387.4	2399.5	2411.7	2428.9	2447.8	2466.3
35°	2219.3	2202.2	2183.6	2166.9	2156.2	2145.5	2156.2	2166.9	2183.6	2202.2	2219.3
37.5°	1919.5	1903.6	1883.6	1866.3	1857.3	1848.3	1857.3	1866.3	1883.6	1903.6	1919.5
40°	1687.5	1673.5	1659.3	1645.1	1631.6	1618.0	1631.6	1645.1	1659.3	1673.5	1687.5
42.5°	1458.2	1440.2	1417.4	1398.8	1393.2	1387.7	1393.2	1398.8	1417.4	1440.2	1458.2
45°	1101.5	1093.7	1067.9	1030.2	956.6	883.0	956.6	1030.2	1067.9	1093.7	1101.5
47.5°	732.9	719.6	646.2	571.7	493.8	415.9	493.8	571.7	646.2	719.6	732.9
50°	517.0	503.4	394.0	305.4	279.0	252.5	279.0	305.4	394.0	503.4	517.0
52.5°	351.0	346.3	264.9	200.2	185.2	170.2	185.2	200.2	264.9	346.3	351.0
55°	160.5	159.8	125.4	98.6	94.4	90.1	94.4	98.6	125.4	159.8	160.5
57.5°	70.4	70.8	58.7	47.8	40.8	33.8	40.8	47.8	58.7	70.8	70.4
60°	38.4	37.3	25.2	14.5	8.0	1.6	8.0	14.5	25.2	37.3	38.4
62.5°	22.0	21.8	11.9	4.0	2.2	0.3	2.2	4.0	11.9	21.8	22.0
65°	1.3	1.3	0.5	0.0	0.0	0.0	0.0	0.5	1.3	1.3	1.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.9	7.7	9.5	10.5	11.6	11.1	11.6	10.5	9.5	7.7	5.9
90°	29.6	38.6	47.6	52.7	57.9	55.3	57.9	52.7	47.6	38.6	29.6
92.5°	59.4	74.6	85.7	94.9	99.1	98.5	99.1	94.9	85.7	74.6	59.4
95°	119.6	137.6	155.7	168.5	176.2	173.7	176.2	168.5	155.7	137.6	119.6
97.5°	184.5	208.7	228.7	240.8	248.5	253.7	248.5	240.8	228.7	208.7	184.5
100°	227.7	250.9	274.0	288.2	301.0	306.2	301.0	288.2	274.0	250.9	227.7
102.5°	262.7	293.1	318.3	333.4	344.3	349.4	344.3	333.4	318.3	293.1	262.7
105°	320.3	352.5	379.5	398.8	410.4	414.2	410.4	398.8	379.5	352.5	320.3
107.5°	378.0	411.1	436.1	457.5	471.6	479.8	471.6	457.5	436.1	411.1	378.0
110°	423.2	450.3	477.3	496.6	510.7	515.9	510.7	496.6	477.3	450.3	423.2



TEST NUMBER: P1427540

CATALOG NUMBER: SQ2W-BBM-K-100U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	461.3	491.4	518.4	537.7	553.9	561.1	553.9	537.7	518.4	491.4	461.3
115°	514.6	554.5	578.9	596.9	608.5	614.9	608.5	596.9	578.9	554.5	514.6
117.5°	558.8	600.5	627.3	641.2	646.6	651.2	646.6	641.2	627.3	600.5	558.8
120°	586.6	625.2	656.1	674.1	680.5	683.1	680.5	674.1	656.1	625.2	586.6
122.5°	612.3	648.9	678.7	700.9	711.4	714.0	711.4	700.9	678.7	648.9	612.3
125°	648.4	683.1	714.0	735.8	747.4	753.9	747.4	735.8	714.0	683.1	648.4
127.5°	679.8	717.3	745.6	765.4	776.8	781.9	776.8	765.4	745.6	717.3	679.8
130°	697.3	735.8	764.1	786.0	796.3	801.5	796.3	786.0	764.1	735.8	697.3
132.5°	710.6	751.3	780.6	800.4	811.7	816.9	811.7	800.4	780.6	751.3	710.6
135°	726.8	769.3	800.2	819.5	829.8	834.9	829.8	819.5	800.2	769.3	726.8
137.5°	741.0	779.6	811.7	832.1	841.3	844.7	841.3	832.1	811.7	779.6	741.0
140°	751.3	784.7	816.9	836.2	846.5	847.8	846.5	836.2	816.9	784.7	751.3
142.5°	764.7	790.9	819.0	838.2	848.5	850.9	848.5	838.2	819.0	790.9	764.7
145°	788.6	804.0	823.3	841.3	850.3	852.9	850.3	841.3	823.3	804.0	788.6
147.5°	818.7	823.6	833.6	845.5	854.2	856.0	854.2	845.5	833.6	823.6	818.7
150°	841.3	840.1	843.9	851.6	859.3	858.1	859.3	851.6	843.9	840.1	841.3
152.5°	867.1	859.6	859.3	862.9	866.6	866.3	866.6	862.9	859.3	859.6	867.1
155°	910.8	896.7	888.9	886.4	886.4	885.1	886.4	886.4	888.9	896.7	910.8
157.5°	958.9	939.1	927.5	921.4	919.6	916.7	919.6	921.4	927.5	939.1	958.9
160°	991.9	970.0	958.4	948.1	944.3	940.4	944.3	948.1	958.4	970.0	991.9
162.5°	1022.7	1001.9	989.3	980.0	976.2	970.2	976.2	980.0	989.3	1001.9	1022.7
165°	1072.9	1051.0	1036.9	1029.2	1024.0	1018.9	1024.0	1029.2	1036.9	1051.0	1072.9
167.5°	1123.1	1099.1	1089.9	1081.1	1076.2	1067.0	1076.2	1081.1	1089.9	1099.1	1123.1
170°	1153.9	1132.1	1126.9	1119.2	1110.2	1099.9	1110.2	1119.2	1126.9	1132.1	1153.9
172.5°	1180.7	1166.0	1160.9	1153.2	1150.3	1142.1	1150.3	1153.2	1160.9	1166.0	1180.7
175°	1219.6	1208.0	1208.0	1206.7	1202.8	1195.1	1202.8	1206.7	1208.0	1208.0	1219.6
177.5°	1252.0	1245.8	1249.9	1249.9	1248.9	1241.7	1248.9	1249.9	1249.9	1245.8	1252.0
180°	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6	1273.6



TEST NUMBER: P1427540

CATALOG NUMBER: SQ2W-BBM-K-100U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	3215.0	3215.0	3215.0	3215.0
2.5°	3211.6	3221.2	3225.2	3229.2
5°	3210.7	3220.8	3224.3	3227.9
7.5°	3214.1	3221.1	3223.5	3226.0
10°	3218.8	3229.7	3230.4	3231.1
12.5°	3226.9	3242.6	3238.1	3233.7
15°	3228.4	3250.6	3238.4	3226.3
17.5°	3195.3	3224.6	3207.4	3190.3
20°	3150.7	3182.7	3162.7	3142.7
22.5°	3081.7	3112.4	3094.1	3075.8
25°	2949.1	2980.4	2968.2	2956.1
27.5°	2768.6	2793.4	2790.0	2786.6
30°	2636.0	2655.3	2655.3	2655.3
32.5°	2484.6	2498.8	2500.5	2502.2
35°	2235.0	2244.9	2237.0	2229.1
37.5°	1931.4	1939.5	1936.5	1933.5
40°	1701.1	1711.1	1710.4	1709.6
42.5°	1471.2	1477.3	1462.9	1448.5
45°	1091.5	1068.1	1004.5	940.9
47.5°	686.1	631.2	552.0	472.8
50°	434.8	361.3	314.2	267.0
52.5°	279.1	219.9	199.1	178.2
55°	127.6	101.5	95.8	90.1
57.5°	57.6	46.0	38.3	30.6
60°	28.4	19.1	12.0	4.8
62.5°	12.5	5.0	3.0	1.0
65°	0.5	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
87.5°	4.6	2.8	1.8	0.8
90°	23.2	14.2	9.0	3.9
92.5°	49.9	34.7	24.4	14.2
95°	100.3	79.8	56.6	39.9
97.5°	159.8	126.6	103.7	76.2
100°	191.7	159.5	137.6	108.1
102.5°	226.7	199.7	169.6	140.0
105°	289.5	256.0	221.3	187.8
107.5°	347.6	310.8	269.1	239.0
110°	384.6	344.8	301.0	274.0



TEST NUMBER: P1427540

CATALOG NUMBER: SQ2W-BBM-K-100U-125D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	420.7	379.8	335.0	308.0
115°	469.6	424.5	383.4	360.2
117.5°	516.6	470.3	426.8	408.6
120°	545.5	499.1	456.7	442.5
122.5°	569.1	523.8	484.5	478.6
125°	604.6	558.3	524.9	532.6
127.5°	633.4	591.0	569.9	587.1
130°	650.9	613.6	600.8	625.2
132.5°	666.4	637.3	631.6	665.4
135°	689.5	672.8	678.0	724.3
137.5°	717.1	710.6	727.9	786.3
140°	734.6	738.4	762.9	828.5
142.5°	758.2	767.2	798.9	868.6
145°	795.0	814.3	855.5	925.0
147.5°	836.7	861.7	912.6	983.9
150°	864.5	896.7	950.7	1018.9
152.5°	896.4	929.6	983.6	1052.8
155°	945.5	982.8	1039.4	1098.6
157.5°	995.7	1033.8	1087.8	1139.5
160°	1026.6	1067.8	1116.6	1164.2
162.5°	1061.6	1099.7	1142.4	1184.8
165°	1112.8	1143.7	1178.4	1214.4
167.5°	1155.7	1181.5	1208.7	1236.8
170°	1183.5	1204.1	1227.3	1249.1
172.5°	1207.2	1223.7	1240.7	1259.4
175°	1238.8	1247.9	1258.1	1269.7
177.5°	1263.3	1266.4	1269.5	1274.6
180°	1273.6	1273.6	1273.6	1273.6

TEST NUMBER: P1427540

CATALOG NUMBER: SQ2W-BBM-K-100U-125D-L930-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	0.00	0.68	0.88	1.60	2.79	0.17	0.90	1.11	1.83	3.02
	3H	0.00	0.40	0.70	1.34	2.55	0.00	0.63	0.93	1.56	2.78
	4H	0.00	0.25	0.61	1.20	2.42	0.00	0.48	0.83	1.42	2.65
	6H	0.00	0.09	0.51	1.04	2.28	0.00	0.32	0.73	1.27	2.51
	8H	0.00	0.00	0.45	0.97	2.20	0.00	0.23	0.68	1.19	2.43
	12H	0.00	0.00	0.40	0.87	2.13	0.00	0.15	0.62	1.10	2.36
4H	2H	0.00	0.26	0.62	1.21	2.43	0.00	0.49	0.85	1.43	2.66
	3H	0.00	0.00	0.43	0.93	2.16	0.00	0.18	0.65	1.15	2.39
	4H	0.00	0.00	0.32	0.76	2.03	0.00	0.02	0.55	0.99	2.25
	6H	0.00	0.00	0.22	0.61	1.87	0.00	0.00	0.45	0.84	2.10
	8H	0.00	0.00	0.16	0.51	1.78	0.00	0.00	0.39	0.74	2.01
	12H	0.00	0.00	0.10	0.42	1.70	0.00	0.00	0.33	0.65	1.92
8H	4H	0.00	0.00	0.16	0.51	1.78	0.00	0.00	0.39	0.74	2.01
	6H	0.00	0.00	0.06	0.37	1.64	0.00	0.00	0.29	0.60	1.87
	8H	0.00	0.00	0.01	0.26	1.55	0.00	0.00	0.24	0.49	1.78
	12H	0.00	0.00	0.00	0.15	1.49	0.00	0.00	0.17	0.38	1.72
12H	4H	0.00	0.00	0.10	0.42	1.70	0.00	0.00	0.33	0.65	1.92
	6H	0.00	0.00	0.01	0.26	1.55	0.00	0.00	0.24	0.49	1.78
	8H	0.00	0.00	0.00	0.15	1.49	0.00	0.00	0.17	0.38	1.72