

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: P1427541

Luminaire Tested: SQ2W-BBM-K-100U-125D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427541
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-L935-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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

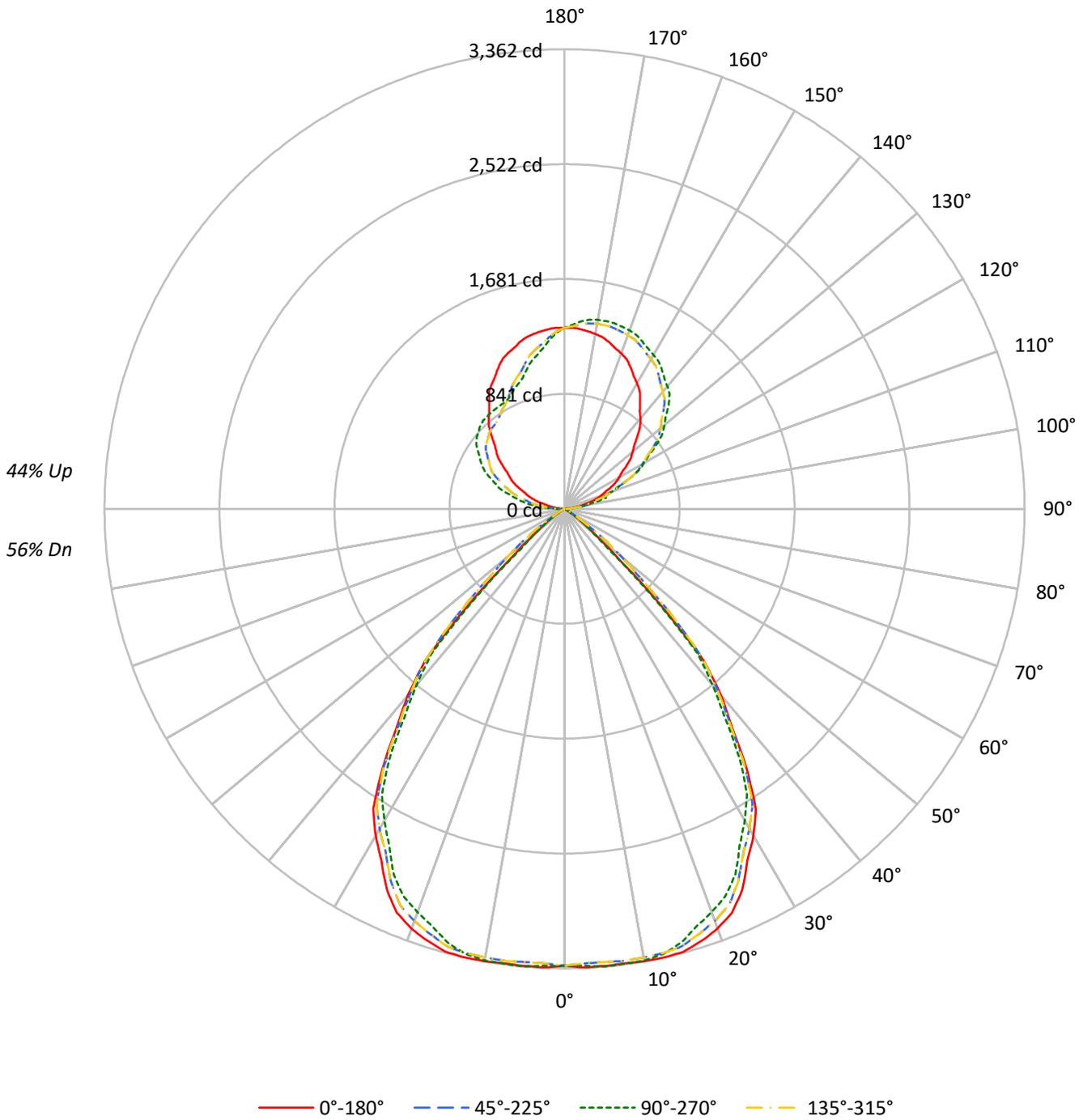
Lumens per Lamp: N/A
Luminaire Lumens: 8868.4 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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

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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	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°	53970	53970	53970	53970
5°	54393	54474	54393	54474
10°	55078	54994	55078	54994
15°	56069	54953	56069	54953
20°	56141	53958	56141	53958
25°	54753	52608	54753	52608
30°	51470	49071	51470	49071
35°	45682	43967	45682	43967
40°	37466	35455	37466	35455
45°	22335	20961	22335	20961
50°	6973	6593	6973	6593
55°	2635	2635	2635	2635
60°	161	55	161	55
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: 26151 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.6	3.6
10°-20°	936.2	10.6
20°-30°	1377.4	15.5
30°-40°	1407.8	15.9
40°-50°	811.0	9.1
50°-60°	139.6	1.6
60°-70°	5.0	0.1
70°-80°	0.0	0.0
80°-90°	7.0	0.1
90°-100°	105.4	1.2
100°-110°	307.3	3.5
110°-120°	501.5	5.7
120°-130°	636.4	7.2
130°-140°	681.0	7.7
140°-150°	635.9	7.2
150°-160°	523.2	5.9
160°-170°	350.9	4.0
170°-180°	124.6	1.4
0°-30°	2633.2	29.7
0°-40°	4041.0	45.6
0°-60°	4991.5	56.3
0°-90°	5003.6	56.4
90°-120°	914.2	10.3
90°-150°	2867.5	32.3
90°-180°	3866.0	43.6
0°-180°	8868.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3343	3343	3343	3343	3343	
5°	3356	3361	3356	3361	3356	320
15°	3354	3288	3354	3288	3354	945
25°	3074	2953	3074	2953	3074	1402
35°	2318	2231	2318	2231	2318	1432
45°	978	918	978	918	978	757
55°	94	94	94	94	94	99
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	4	29	4	58	4	3
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°	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7
2.5°	3357.5	3353.3	3349.1	3339.2	3327.3	3328.2	3341.8	3351.4	3348.4	3345.4	3348.4
5°	3356.1	3352.4	3348.7	3338.3	3325.6	3329.4	3349.4	3364.1	3362.6	3361.1	3362.6
7.5°	3354.1	3351.6	3349.1	3341.7	3332.8	3336.6	3353.1	3364.6	3360.8	3357.1	3360.8
10°	3359.5	3358.7	3358.0	3346.6	3331.8	3332.9	3350.0	3361.9	3358.2	3354.4	3358.2
12.5°	3362.1	3366.7	3371.4	3355.1	3331.9	3327.1	3340.6	3349.1	3342.4	3335.7	3342.4
15°	3354.4	3367.1	3379.7	3356.7	3321.7	3305.4	3307.6	3306.9	3297.2	3287.6	3297.2
17.5°	3317.0	3334.8	3352.7	3322.2	3275.7	3248.4	3240.2	3230.6	3217.0	3203.3	3217.0
20°	3267.5	3288.3	3309.1	3275.8	3224.6	3191.9	3177.7	3164.2	3152.3	3140.4	3152.3
22.5°	3197.9	3217.0	3236.0	3204.1	3155.2	3121.9	3104.2	3088.5	3079.0	3069.5	3079.0
25°	3073.5	3086.1	3098.8	3066.3	3018.7	2988.2	2974.9	2963.5	2958.3	2953.1	2958.3
27.5°	2897.3	2900.8	2904.4	2878.5	2842.9	2816.7	2800.1	2785.9	2779.2	2772.5	2779.2
30°	2760.8	2760.8	2760.8	2740.7	2714.0	2691.7	2673.9	2657.3	2644.7	2632.1	2644.7
32.5°	2601.6	2599.8	2598.0	2583.3	2564.3	2545.0	2525.4	2507.5	2494.9	2482.2	2494.9
35°	2317.7	2325.9	2334.0	2323.8	2307.5	2289.6	2270.3	2253.0	2241.9	2230.7	2241.9
37.5°	2010.3	2013.4	2016.6	2008.1	1995.8	1979.2	1958.4	1940.4	1931.1	1921.7	1931.1
40°	1777.6	1778.3	1779.0	1768.6	1754.5	1740.0	1725.2	1710.5	1696.4	1682.2	1696.4
42.5°	1506.0	1521.0	1536.0	1529.6	1516.1	1497.4	1473.7	1454.4	1448.6	1442.8	1448.6
45°	978.2	1044.4	1110.5	1134.9	1145.3	1137.1	1110.3	1071.1	994.6	918.0	994.6
47.5°	491.6	574.0	656.3	713.4	762.0	748.1	671.9	594.5	513.4	432.4	513.4
50°	277.6	326.6	375.7	452.1	537.5	523.4	409.7	317.5	290.0	262.5	290.0
52.5°	185.3	207.0	228.7	290.2	364.9	360.0	275.5	208.1	192.5	176.9	192.5
55°	93.6	99.6	105.5	132.7	166.8	166.1	130.4	102.6	98.1	93.6	98.1
57.5°	31.8	39.8	47.8	59.9	73.2	73.6	61.0	49.7	42.4	35.1	42.4
60°	5.0	12.4	19.9	29.5	39.9	38.8	26.2	15.0	8.4	1.7	8.4
62.5°	1.0	3.1	5.2	13.0	22.9	22.6	12.4	4.2	2.3	0.3	2.3
65°	0.0	0.0	0.0	0.6	1.3	1.3	0.6	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	1.9	3.2	4.3	5.1	5.4	5.4	5.6	5.9	5.9	5.9
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°	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7
2.5°	3351.4	3341.8	3328.2	3327.3	3339.2	3349.1	3353.3	3357.5	3353.3	3349.1	3339.2
5°	3364.1	3349.4	3329.4	3325.6	3338.3	3348.7	3352.4	3356.1	3352.4	3348.7	3338.3
7.5°	3364.6	3353.1	3336.6	3332.8	3341.7	3349.1	3351.6	3354.1	3351.6	3349.1	3341.7
10°	3361.9	3350.0	3332.9	3331.8	3346.6	3358.0	3358.7	3359.5	3358.7	3358.0	3346.6
12.5°	3349.1	3340.6	3327.1	3331.9	3355.1	3371.4	3366.7	3362.1	3366.7	3371.4	3355.1
15°	3306.9	3307.6	3305.4	3321.7	3356.7	3379.7	3367.1	3354.4	3367.1	3379.7	3356.7
17.5°	3230.6	3240.2	3248.4	3275.7	3322.2	3352.7	3334.8	3317.0	3334.8	3352.7	3322.2
20°	3164.2	3177.7	3191.9	3224.6	3275.8	3309.1	3288.3	3267.5	3288.3	3309.1	3275.8
22.5°	3088.5	3104.2	3121.9	3155.2	3204.1	3236.0	3217.0	3197.9	3217.0	3236.0	3204.1
25°	2963.5	2974.9	2988.2	3018.7	3066.3	3098.8	3086.1	3073.5	3086.1	3098.8	3066.3
27.5°	2785.9	2800.1	2816.7	2842.9	2878.5	2904.4	2900.8	2897.3	2900.8	2904.4	2878.5
30°	2657.3	2673.9	2691.7	2714.0	2740.7	2760.8	2760.8	2760.8	2760.8	2760.8	2740.7
32.5°	2507.5	2525.4	2545.0	2564.3	2583.3	2598.0	2599.8	2601.6	2599.8	2598.0	2583.3
35°	2253.0	2270.3	2289.6	2307.5	2323.8	2334.0	2325.9	2317.7	2325.9	2334.0	2323.8
37.5°	1940.4	1958.4	1979.2	1995.8	2008.1	2016.6	2013.4	2010.3	2013.4	2016.6	2008.1
40°	1710.5	1725.2	1740.0	1754.5	1768.6	1779.0	1778.3	1777.6	1778.3	1779.0	1768.6
42.5°	1454.4	1473.7	1497.4	1516.1	1529.6	1536.0	1521.0	1506.0	1521.0	1536.0	1529.6
45°	1071.1	1110.3	1137.1	1145.3	1134.9	1110.5	1044.4	978.2	1044.4	1110.5	1134.9
47.5°	594.5	671.9	748.1	762.0	713.4	656.3	574.0	491.6	574.0	656.3	713.4
50°	317.5	409.7	523.4	537.5	452.1	375.7	326.6	277.6	326.6	375.7	452.1
52.5°	208.1	275.5	360.0	364.9	290.2	228.7	207.0	185.3	207.0	228.7	290.2
55°	102.6	130.4	166.1	166.8	132.7	105.5	99.6	93.6	99.6	105.5	132.7
57.5°	49.7	61.0	73.6	73.2	59.9	47.8	39.8	31.8	39.8	47.8	59.9
60°	15.0	26.2	38.8	39.9	29.5	19.9	12.4	5.0	12.4	19.9	29.5
62.5°	4.2	12.4	22.6	22.9	13.0	5.2	3.1	1.0	3.1	5.2	13.0
65°	0.0	0.6	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.6
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°	5.6	5.4	5.4	5.1	4.3	3.2	1.9	0.8	1.9	2.9	4.8
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: P1427541

CATALOG NUMBER: SQ2W-BBM-K-100U-125D-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: P1427541

CATALOG NUMBER: SQ2W-BBM-K-100U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7	3342.7
2.5°	3327.3	3328.2	3341.8	3351.4	3348.4	3345.4	3348.4	3351.4	3341.8	3328.2	3327.3
5°	3325.6	3329.4	3349.4	3364.1	3362.6	3361.1	3362.6	3364.1	3349.4	3329.4	3325.6
7.5°	3332.8	3336.6	3353.1	3364.6	3360.8	3357.1	3360.8	3364.6	3353.1	3336.6	3332.8
10°	3331.8	3332.9	3350.0	3361.9	3358.2	3354.4	3358.2	3361.9	3350.0	3332.9	3331.8
12.5°	3331.9	3327.1	3340.6	3349.1	3342.4	3335.7	3342.4	3349.1	3340.6	3327.1	3331.9
15°	3321.7	3305.4	3307.6	3306.9	3297.2	3287.6	3297.2	3306.9	3307.6	3305.4	3321.7
17.5°	3275.7	3248.4	3240.2	3230.6	3217.0	3203.3	3217.0	3230.6	3240.2	3248.4	3275.7
20°	3224.6	3191.9	3177.7	3164.2	3152.3	3140.4	3152.3	3164.2	3177.7	3191.9	3224.6
22.5°	3155.2	3121.9	3104.2	3088.5	3079.0	3069.5	3079.0	3088.5	3104.2	3121.9	3155.2
25°	3018.7	2988.2	2974.9	2963.5	2958.3	2953.1	2958.3	2963.5	2974.9	2988.2	3018.7
27.5°	2842.9	2816.7	2800.1	2785.9	2779.2	2772.5	2779.2	2785.9	2800.1	2816.7	2842.9
30°	2714.0	2691.7	2673.9	2657.3	2644.7	2632.1	2644.7	2657.3	2673.9	2691.7	2714.0
32.5°	2564.3	2545.0	2525.4	2507.5	2494.9	2482.2	2494.9	2507.5	2525.4	2545.0	2564.3
35°	2307.5	2289.6	2270.3	2253.0	2241.9	2230.7	2241.9	2253.0	2270.3	2289.6	2307.5
37.5°	1995.8	1979.2	1958.4	1940.4	1931.1	1921.7	1931.1	1940.4	1958.4	1979.2	1995.8
40°	1754.5	1740.0	1725.2	1710.5	1696.4	1682.2	1696.4	1710.5	1725.2	1740.0	1754.5
42.5°	1516.1	1497.4	1473.7	1454.4	1448.6	1442.8	1448.6	1454.4	1473.7	1497.4	1516.1
45°	1145.3	1137.1	1110.3	1071.1	994.6	918.0	994.6	1071.1	1110.3	1137.1	1145.3
47.5°	762.0	748.1	671.9	594.5	513.4	432.4	513.4	594.5	671.9	748.1	762.0
50°	537.5	523.4	409.7	317.5	290.0	262.5	290.0	317.5	409.7	523.4	537.5
52.5°	364.9	360.0	275.5	208.1	192.5	176.9	192.5	208.1	275.5	360.0	364.9
55°	166.8	166.1	130.4	102.6	98.1	93.6	98.1	102.6	130.4	166.1	166.8
57.5°	73.2	73.6	61.0	49.7	42.4	35.1	42.4	49.7	61.0	73.6	73.2
60°	39.9	38.8	26.2	15.0	8.4	1.7	8.4	15.0	26.2	38.8	39.9
62.5°	22.9	22.6	12.4	4.2	2.3	0.3	2.3	4.2	12.4	22.6	22.9
65°	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.6	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°	6.2	8.0	9.9	11.0	12.0	11.5	12.0	11.0	9.9	8.0	6.2
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	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: P1427541

CATALOG NUMBER: SQ2W-BBM-K-100U-125D-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: P1427541

CATALOG NUMBER: SQ2W-BBM-K-100U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	3342.7	3342.7	3342.7	3342.7
2.5°	3339.2	3349.1	3353.3	3357.5
5°	3338.3	3348.7	3352.4	3356.1
7.5°	3341.7	3349.1	3351.6	3354.1
10°	3346.6	3358.0	3358.7	3359.5
12.5°	3355.1	3371.4	3366.7	3362.1
15°	3356.7	3379.7	3367.1	3354.4
17.5°	3322.2	3352.7	3334.8	3317.0
20°	3275.8	3309.1	3288.3	3267.5
22.5°	3204.1	3236.0	3217.0	3197.9
25°	3066.3	3098.8	3086.1	3073.5
27.5°	2878.5	2904.4	2900.8	2897.3
30°	2740.7	2760.8	2760.8	2760.8
32.5°	2583.3	2598.0	2599.8	2601.6
35°	2323.8	2334.0	2325.9	2317.7
37.5°	2008.1	2016.6	2013.4	2010.3
40°	1768.6	1779.0	1778.3	1777.6
42.5°	1529.6	1536.0	1521.0	1506.0
45°	1134.9	1110.5	1044.4	978.2
47.5°	713.4	656.3	574.0	491.6
50°	452.1	375.7	326.6	277.6
52.5°	290.2	228.7	207.0	185.3
55°	132.7	105.5	99.6	93.6
57.5°	59.9	47.8	39.8	31.8
60°	29.5	19.9	12.4	5.0
62.5°	13.0	5.2	3.1	1.0
65°	0.6	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°	4.8	2.9	1.9	0.8
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: P1427541

CATALOG NUMBER: SQ2W-BBM-K-100U-125D-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: P1427541
 CATALOG NUMBER: SQ2W-BBM-K-100U-125D-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	0.07	0.81	1.01	1.74	2.93	0.30	1.04	1.24	1.97	3.16
	3H	0.00	0.53	0.83	1.47	2.68	0.11	0.76	1.06	1.70	2.91
	4H	0.00	0.39	0.74	1.33	2.55	0.00	0.62	0.97	1.56	2.78
	6H	0.00	0.23	0.64	1.17	2.41	0.00	0.46	0.87	1.40	2.64
	8H	0.00	0.14	0.58	1.10	2.33	0.00	0.37	0.81	1.33	2.56
	12H	0.00	0.05	0.53	1.01	2.26	0.00	0.28	0.76	1.24	2.49
4H	2H	0.00	0.40	0.75	1.34	2.56	0.01	0.63	0.98	1.57	2.79
	3H	0.00	0.09	0.56	1.06	2.30	0.00	0.32	0.79	1.29	2.53
	4H	0.00	0.00	0.45	0.89	2.16	0.00	0.16	0.68	1.12	2.39
	6H	0.00	0.00	0.36	0.74	2.00	0.00	0.00	0.59	0.97	2.23
	8H	0.00	0.00	0.29	0.64	1.92	0.00	0.00	0.52	0.87	2.15
	12H	0.00	0.00	0.24	0.55	1.83	0.00	0.00	0.47	0.78	2.06
8H	4H	0.00	0.00	0.29	0.64	1.92	0.00	0.00	0.52	0.87	2.15
	6H	0.00	0.00	0.20	0.50	1.77	0.00	0.00	0.42	0.73	2.00
	8H	0.00	0.00	0.14	0.39	1.68	0.00	0.00	0.37	0.62	1.91
	12H	0.00	0.00	0.07	0.28	1.62	0.00	0.00	0.31	0.51	1.85
12H	4H	0.00	0.00	0.24	0.55	1.83	0.00	0.00	0.47	0.78	2.06
	6H	0.00	0.00	0.14	0.39	1.68	0.00	0.00	0.37	0.62	1.91
	8H	0.00	0.00	0.07	0.28	1.62	0.00	0.00	0.30	0.51	1.85