

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: P1427619

Luminaire Tested: SQ2W-BBN-K-100U-075D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427619  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2308-130-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-BBN-K-100U-075D-L935-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - BLACK DISCREET BAFFLE, NARROW 35-DEGREE OPTIC  
UPLIGHT - ASYMMETRIC ROLL LENS  
DOWNLIGHT 750 LUMENS PER FOOT  
UPLIGHT 1000 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

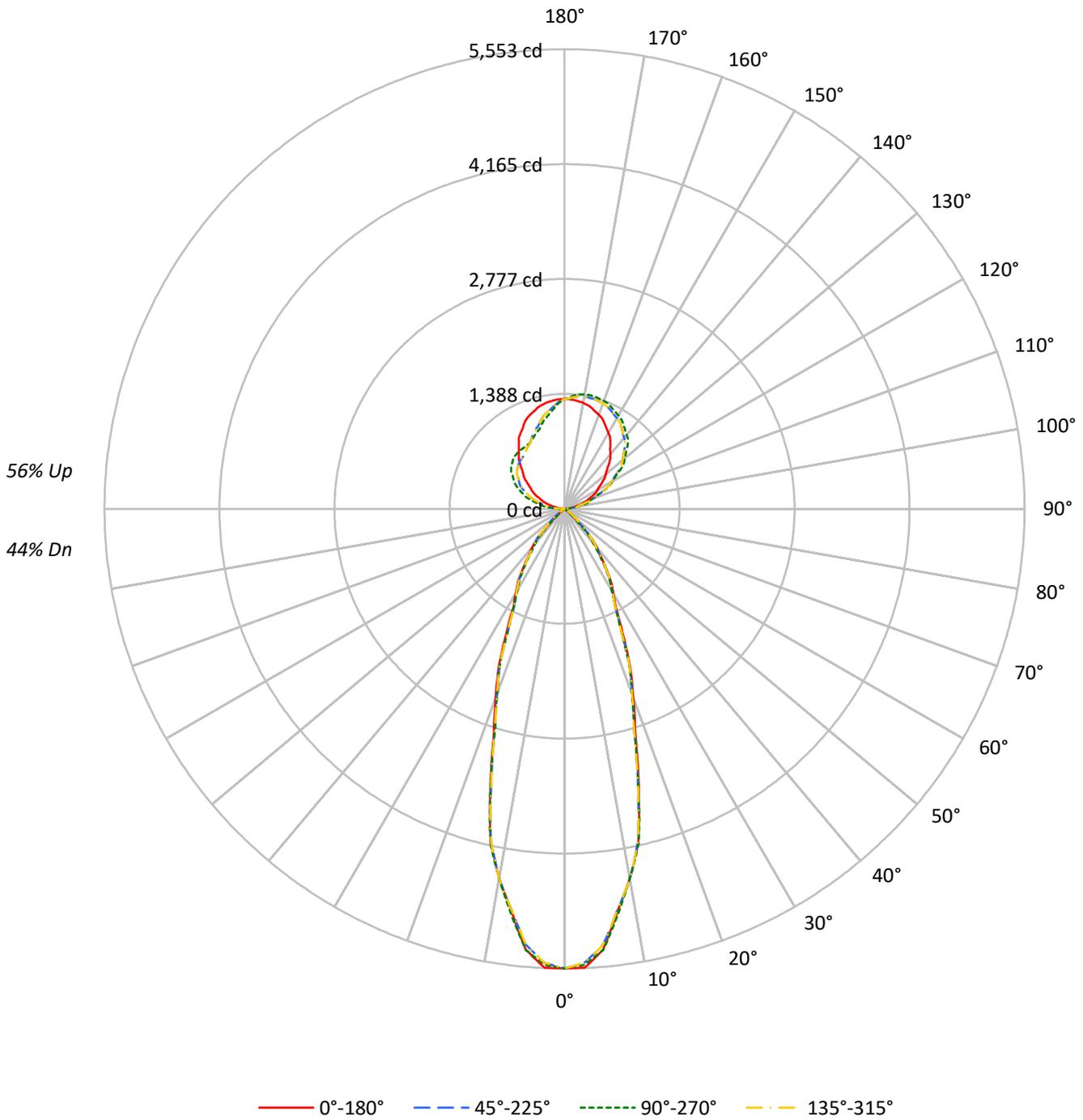
Lumens per Lamp: N/A  
Luminaire Lumens: 6873.5 lumens  
Efficiency: N/A  
Efficacy: 113.2 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 60.7  
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: P1427619

CATALOG NUMBER: SQ2W-BBN-K-100U-075D-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	0
RCR																		
0	106	106	106	106	97	97	97	97	80	80	80	65	65	65	50	50	50	44
1	98	95	92	89	90	87	85	83	73	71	70	60	59	58	48	47	47	41
2	92	86	81	77	84	79	75	72	67	64	62	56	54	52	45	44	43	38
3	86	78	72	68	79	72	67	63	62	58	55	52	49	48	43	41	40	36
4	80	71	65	60	74	66	61	57	57	53	50	48	46	44	40	39	37	34
5	75	65	59	54	69	61	55	51	53	49	45	45	42	40	38	36	35	32
6	70	60	53	49	65	56	50	46	49	45	42	42	39	37	36	34	33	30
7	66	56	49	44	61	52	46	42	46	41	38	40	37	34	34	32	31	28
8	62	52	45	41	57	49	43	39	43	39	36	37	34	32	32	30	29	27
9	58	48	42	38	54	45	40	36	40	36	33	35	32	30	31	29	27	25
10	55	45	39	35	51	43	37	33	38	34	31	34	30	28	29	27	26	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	89661	89661	89661	89661
5°	86662	86710	86662	86710
10°	74374	74374	74374	74374
15°	57727	57594	57727	57594
20°	41664	40769	41664	40769
25°	29542	28418	29542	28418
30°	21979	21214	21979	21214
35°	17102	16312	17102	16312
40°	12656	11558	12656	11558
45°	6466	5211	6466	5211
50°	1407	1030	1407	1030
55°	394	310	394	310
60°	65	32	65	32
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: 7889 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	480.2	7.0
10°-20°	946.8	13.8
20°-30°	763.7	11.1
30°-40°	530.5	7.7
40°-50°	245.1	3.6
50°-60°	34.3	0.5
60°-70°	1.2	0.0
70°-80°	0.0	0.0
80°-90°	7.0	0.1
90°-100°	105.4	1.5
100°-110°	307.3	4.5
110°-120°	501.5	7.3
120°-130°	636.4	9.3
130°-140°	681.0	9.9
140°-150°	635.9	9.3
150°-160°	523.2	7.6
160°-170°	350.9	5.1
170°-180°	124.6	1.8
0°-30°	2190.7	31.9
0°-40°	2721.2	39.6
0°-60°	3000.6	43.7
0°-90°	3008.8	43.8
90°-120°	914.2	13.3
90°-150°	2867.5	41.7
90°-180°	3866.0	56.2
0°-180°	6873.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	5553	5553	5553	5553	5553	
5°	5347	5350	5347	5350	5347	481
15°	3454	3446	3454	3446	3454	951
25°	1658	1595	1658	1595	1658	776
35°	868	828	868	828	868	543
45°	283	228	283	228	283	229
55°	14	11	14	11	14	18
65°	0	0	0	0	0	0
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°	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3
2.5°	5550.1	5540.8	5531.6	5513.2	5491.9	5491.0	5510.6	5523.7	5517.7	5511.6	5517.7
5°	5347.1	5334.2	5321.3	5305.7	5289.3	5295.5	5324.4	5346.5	5348.3	5350.1	5348.3
7.5°	4899.2	4903.3	4907.5	4896.8	4881.2	4889.3	4921.4	4944.5	4941.1	4937.6	4941.1
10°	4536.5	4539.6	4542.7	4542.1	4540.4	4544.8	4555.5	4560.5	4548.5	4536.5	4548.5
12.5°	4116.2	4128.5	4140.9	4126.6	4103.5	4099.9	4116.0	4129.2	4134.3	4139.4	4134.3
15°	3453.6	3473.7	3493.7	3465.3	3420.8	3409.3	3430.6	3446.5	3446.1	3445.6	3446.1
17.5°	2832.4	2830.3	2828.3	2810.8	2788.1	2778.7	2782.7	2785.4	2784.1	2782.7	2784.1
20°	2424.9	2421.7	2418.6	2403.5	2384.4	2373.3	2370.2	2368.4	2370.6	2372.8	2370.6
22.5°	2075.8	2070.5	2065.3	2059.0	2052.3	2045.1	2037.4	2032.3	2035.2	2038.2	2035.2
25°	1658.3	1641.4	1624.5	1610.9	1598.4	1597.6	1608.2	1613.9	1604.6	1595.2	1604.6
27.5°	1331.0	1330.8	1330.5	1322.5	1311.9	1307.2	1308.3	1309.6	1311.4	1313.2	1311.4
30°	1178.9	1175.8	1172.7	1164.2	1154.0	1149.1	1149.5	1148.5	1143.2	1137.9	1143.2
32.5°	1043.6	1045.8	1048.0	1039.1	1026.3	1018.8	1016.4	1013.2	1007.9	1002.6	1007.9
35°	867.7	867.7	867.7	860.3	850.5	842.3	835.6	830.3	829.0	827.6	829.0
37.5°	704.5	703.7	702.9	697.5	690.6	682.4	673.0	665.0	661.6	658.1	661.6
40°	600.5	598.2	596.0	592.1	587.7	579.7	568.1	558.2	553.3	548.4	553.3
42.5°	482.0	487.9	493.9	492.0	487.6	479.6	468.0	457.5	450.1	442.7	450.1
45°	283.2	308.1	333.0	341.9	345.5	340.6	327.3	307.3	267.8	228.2	267.8
47.5°	121.7	149.1	176.5	199.5	221.0	214.2	179.1	144.5	111.6	78.7	111.6
50°	56.0	77.4	98.7	127.4	158.6	152.1	108.1	71.3	56.2	41.0	56.2
52.5°	32.8	43.5	54.2	81.0	113.2	110.3	72.3	41.8	33.8	25.8	33.8
55°	14.0	17.6	21.1	35.7	53.9	53.0	33.0	17.2	14.1	11.0	14.1
57.5°	5.2	7.2	9.1	14.3	20.7	20.3	13.1	7.4	5.8	4.2	5.8
60°	2.0	2.9	3.8	6.3	9.5	9.2	5.7	2.8	1.9	1.0	1.9
62.5°	0.4	0.9	1.5	2.9	4.6	4.5	2.7	1.3	0.7	0.2	0.7
65°	0.0	0.0	0.0	0.3	0.8	0.8	0.3	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°	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3
2.5°	5523.7	5510.6	5491.0	5491.9	5513.2	5531.6	5540.8	5550.1	5540.8	5531.6	5513.2
5°	5346.5	5324.4	5295.5	5289.3	5305.7	5321.3	5334.2	5347.1	5334.2	5321.3	5305.7
7.5°	4944.5	4921.4	4889.3	4881.2	4896.8	4907.5	4903.3	4899.2	4903.3	4907.5	4896.8
10°	4560.5	4555.5	4544.8	4540.4	4542.1	4542.7	4539.6	4536.5	4539.6	4542.7	4542.1
12.5°	4129.2	4116.0	4099.9	4103.5	4126.6	4140.9	4128.5	4116.2	4128.5	4140.9	4126.6
15°	3446.5	3430.6	3409.3	3420.8	3465.3	3493.7	3473.7	3453.6	3473.7	3493.7	3465.3
17.5°	2785.4	2782.7	2778.7	2788.1	2810.8	2828.3	2830.3	2832.4	2830.3	2828.3	2810.8
20°	2368.4	2370.2	2373.3	2384.4	2403.5	2418.6	2421.7	2424.9	2421.7	2418.6	2403.5
22.5°	2032.3	2037.4	2045.1	2052.3	2059.0	2065.3	2070.5	2075.8	2070.5	2065.3	2059.0
25°	1613.9	1608.2	1597.6	1598.4	1610.9	1624.5	1641.4	1658.3	1641.4	1624.5	1610.9
27.5°	1309.6	1308.3	1307.2	1311.9	1322.5	1330.5	1330.8	1331.0	1330.8	1330.5	1322.5
30°	1148.5	1149.5	1149.1	1154.0	1164.2	1172.7	1175.8	1178.9	1175.8	1172.7	1164.2
32.5°	1013.2	1016.4	1018.8	1026.3	1039.1	1048.0	1045.8	1043.6	1045.8	1048.0	1039.1
35°	830.3	835.6	842.3	850.5	860.3	867.7	867.7	867.7	867.7	867.7	860.3
37.5°	665.0	673.0	682.4	690.6	697.5	702.9	703.7	704.5	703.7	702.9	697.5
40°	558.2	568.1	579.7	587.7	592.1	596.0	598.2	600.5	598.2	596.0	592.1
42.5°	457.5	468.0	479.6	487.6	492.0	493.9	487.9	482.0	487.9	493.9	492.0
45°	307.3	327.3	340.6	345.5	341.9	333.0	308.1	283.2	308.1	333.0	341.9
47.5°	144.5	179.1	214.2	221.0	199.5	176.5	149.1	121.7	149.1	176.5	199.5
50°	71.3	108.1	152.1	158.6	127.4	98.7	77.4	56.0	77.4	98.7	127.4
52.5°	41.8	72.3	110.3	113.2	81.0	54.2	43.5	32.8	43.5	54.2	81.0
55°	17.2	33.0	53.0	53.9	35.7	21.1	17.6	14.0	17.6	21.1	35.7
57.5°	7.4	13.1	20.3	20.7	14.3	9.1	7.2	5.2	7.2	9.1	14.3
60°	2.8	5.7	9.2	9.5	6.3	3.8	2.9	2.0	2.9	3.8	6.3
62.5°	1.3	2.7	4.5	4.6	2.9	1.5	0.9	0.4	0.9	1.5	2.9
65°	0.0	0.3	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.3
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°	5.6	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: P1427619

CATALOG NUMBER: SQ2W-BBN-K-100U-075D-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: P1427619

CATALOG NUMBER: SQ2W-BBN-K-100U-075D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3	5553.3
2.5°	5491.9	5491.0	5510.6	5523.7	5517.7	5511.6	5517.7	5523.7	5510.6	5491.0	5491.9
5°	5289.3	5295.5	5324.4	5346.5	5348.3	5350.1	5348.3	5346.5	5324.4	5295.5	5289.3
7.5°	4881.2	4889.3	4921.4	4944.5	4941.1	4937.6	4941.1	4944.5	4921.4	4889.3	4881.2
10°	4540.4	4544.8	4555.5	4560.5	4548.5	4536.5	4548.5	4560.5	4555.5	4544.8	4540.4
12.5°	4103.5	4099.9	4116.0	4129.2	4134.3	4139.4	4134.3	4129.2	4116.0	4099.9	4103.5
15°	3420.8	3409.3	3430.6	3446.5	3446.1	3445.6	3446.1	3446.5	3430.6	3409.3	3420.8
17.5°	2788.1	2778.7	2782.7	2785.4	2784.1	2782.7	2784.1	2785.4	2782.7	2778.7	2788.1
20°	2384.4	2373.3	2370.2	2368.4	2370.6	2372.8	2370.6	2368.4	2370.2	2373.3	2384.4
22.5°	2052.3	2045.1	2037.4	2032.3	2035.2	2038.2	2035.2	2032.3	2037.4	2045.1	2052.3
25°	1598.4	1597.6	1608.2	1613.9	1604.6	1595.2	1604.6	1613.9	1608.2	1597.6	1598.4
27.5°	1311.9	1307.2	1308.3	1309.6	1311.4	1313.2	1311.4	1309.6	1308.3	1307.2	1311.9
30°	1154.0	1149.1	1149.5	1148.5	1143.2	1137.9	1143.2	1148.5	1149.5	1149.1	1154.0
32.5°	1026.3	1018.8	1016.4	1013.2	1007.9	1002.6	1007.9	1013.2	1016.4	1018.8	1026.3
35°	850.5	842.3	835.6	830.3	829.0	827.6	829.0	830.3	835.6	842.3	850.5
37.5°	690.6	682.4	673.0	665.0	661.6	658.1	661.6	665.0	673.0	682.4	690.6
40°	587.7	579.7	568.1	558.2	553.3	548.4	553.3	558.2	568.1	579.7	587.7
42.5°	487.6	479.6	468.0	457.5	450.1	442.7	450.1	457.5	468.0	479.6	487.6
45°	345.5	340.6	327.3	307.3	267.8	228.2	267.8	307.3	327.3	340.6	345.5
47.5°	221.0	214.2	179.1	144.5	111.6	78.7	111.6	144.5	179.1	214.2	221.0
50°	158.6	152.1	108.1	71.3	56.2	41.0	56.2	71.3	108.1	152.1	158.6
52.5°	113.2	110.3	72.3	41.8	33.8	25.8	33.8	41.8	72.3	110.3	113.2
55°	53.9	53.0	33.0	17.2	14.1	11.0	14.1	17.2	33.0	53.0	53.9
57.5°	20.7	20.3	13.1	7.4	5.8	4.2	5.8	7.4	13.1	20.3	20.7
60°	9.5	9.2	5.7	2.8	1.9	1.0	1.9	2.8	5.7	9.2	9.5
62.5°	4.6	4.5	2.7	1.3	0.7	0.2	0.7	1.3	2.7	4.5	4.6
65°	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.3	0.8	0.8	0.8
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	54.8	49.5	40.1	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: P1427619

CATALOG NUMBER: SQ2W-BBN-K-100U-075D-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: P1427619

CATALOG NUMBER: SQ2W-BBN-K-100U-075D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	5553.3	5553.3	5553.3	5553.3
2.5°	5513.2	5531.6	5540.8	5550.1
5°	5305.7	5321.3	5334.2	5347.1
7.5°	4896.8	4907.5	4903.3	4899.2
10°	4542.1	4542.7	4539.6	4536.5
12.5°	4126.6	4140.9	4128.5	4116.2
15°	3465.3	3493.7	3473.7	3453.6
17.5°	2810.8	2828.3	2830.3	2832.4
20°	2403.5	2418.6	2421.7	2424.9
22.5°	2059.0	2065.3	2070.5	2075.8
25°	1610.9	1624.5	1641.4	1658.3
27.5°	1322.5	1330.5	1330.8	1331.0
30°	1164.2	1172.7	1175.8	1178.9
32.5°	1039.1	1048.0	1045.8	1043.6
35°	860.3	867.7	867.7	867.7
37.5°	697.5	702.9	703.7	704.5
40°	592.1	596.0	598.2	600.5
42.5°	492.0	493.9	487.9	482.0
45°	341.9	333.0	308.1	283.2
47.5°	199.5	176.5	149.1	121.7
50°	127.4	98.7	77.4	56.0
52.5°	81.0	54.2	43.5	32.8
55°	35.7	21.1	17.6	14.0
57.5°	14.3	9.1	7.2	5.2
60°	6.3	3.8	2.9	2.0
62.5°	2.9	1.5	0.9	0.4
65°	0.3	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: P1427619

CATALOG NUMBER: SQ2W-BBN-K-100U-075D-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: P1427619

CATALOG NUMBER: SQ2W-BBN-K-100U-075D-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4H	2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00