

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: P1427618

Luminaire Tested: SQ2W-BBN-K-100U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427618
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-L930-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: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

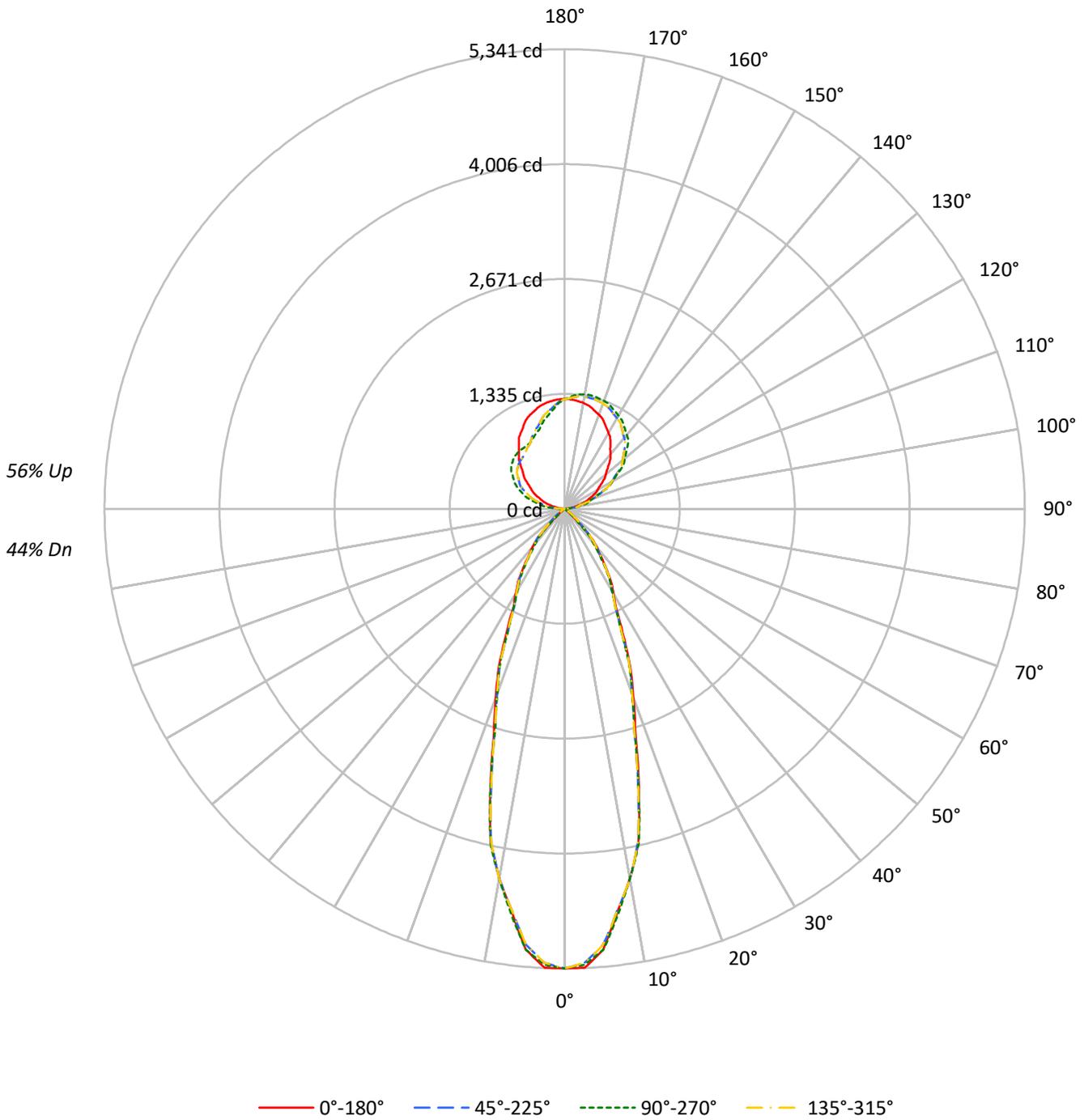
Lumens per Lamp: N/A
Luminaire Lumens: 6611.0 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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

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CATALOG NUMBER: SQ2W-BBN-K-100U-075D-L930-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	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°	86235	86235	86235	86235
5°	83351	83398	83351	83398
10°	71533	71533	71533	71533
15°	55523	55394	55523	55394
20°	40071	39212	40071	39212
25°	28413	27333	28413	27333
30°	21140	20403	21140	20403
35°	16448	15689	16448	15689
40°	12172	11118	12172	11118
45°	6220	5012	6220	5012
50°	1354	992	1354	992
55°	380	298	380	298
60°	61	32	61	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: 7587 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	461.9	7.0
10°-20°	910.6	13.8
20°-30°	734.5	11.1
30°-40°	510.3	7.7
40°-50°	235.7	3.6
50°-60°	33.0	0.5
60°-70°	1.1	0.0
70°-80°	0.0	0.0
80°-90°	6.8	0.1
90°-100°	101.4	1.5
100°-110°	295.6	4.5
110°-120°	482.4	7.3
120°-130°	612.1	9.3
130°-140°	655.0	9.9
140°-150°	611.6	9.3
150°-160°	503.3	7.6
160°-170°	337.5	5.1
170°-180°	119.8	1.8
0°-30°	2107.0	31.9
0°-40°	2617.3	39.6
0°-60°	2886.0	43.7
0°-90°	2893.8	43.8
90°-120°	879.3	13.3
90°-150°	2758.0	41.7
90°-180°	3719.0	56.3
0°-180°	6611.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	5341	5341	5341	5341	5341	
5°	5143	5146	5143	5146	5143	462
15°	3322	3314	3322	3314	3322	914
25°	1595	1534	1595	1534	1595	747
35°	834	796	834	796	834	522
45°	272	220	272	220	272	220
55°	14	11	14	11	14	17
65°	0	0	0	0	0	0
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	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1
2.5°	5338.0	5329.1	5320.2	5302.6	5282.1	5281.2	5300.0	5312.7	5306.9	5301.1	5306.9
5°	5142.8	5130.4	5118.0	5103.0	5087.2	5093.2	5121.0	5142.3	5144.0	5145.7	5144.0
7.5°	4712.0	4716.0	4720.0	4709.8	4694.7	4702.6	4733.4	4755.6	4752.3	4749.0	4752.3
10°	4363.2	4366.2	4369.2	4368.6	4366.9	4371.2	4381.5	4386.3	4374.7	4363.2	4374.7
12.5°	3958.9	3970.8	3982.7	3969.0	3946.7	3943.3	3958.7	3971.5	3976.4	3981.2	3976.4
15°	3321.7	3341.0	3360.2	3332.9	3290.2	3279.0	3299.6	3314.9	3314.4	3314.0	3314.4
17.5°	2724.2	2722.2	2720.2	2703.4	2681.6	2672.6	2676.4	2679.0	2677.7	2676.4	2677.7
20°	2332.2	2329.2	2326.2	2311.7	2293.3	2282.6	2279.6	2277.9	2280.0	2282.2	2280.0
22.5°	1996.5	1991.4	1986.4	1980.3	1973.9	1967.0	1959.5	1954.7	1957.5	1960.3	1957.5
25°	1594.9	1578.7	1562.4	1549.4	1537.4	1536.5	1546.8	1552.2	1543.3	1534.3	1543.3
27.5°	1280.2	1279.9	1279.7	1272.0	1261.8	1257.2	1258.4	1259.6	1261.3	1263.0	1261.3
30°	1133.9	1130.9	1127.9	1119.7	1109.9	1105.2	1105.6	1104.7	1099.5	1094.4	1099.5
32.5°	1003.7	1005.9	1008.0	999.4	987.1	979.9	977.6	974.5	969.4	964.3	969.4
35°	834.5	834.5	834.5	827.5	818.0	810.1	803.7	798.6	797.3	796.0	797.3
37.5°	677.6	676.9	676.1	670.9	664.2	656.3	647.3	639.6	636.3	633.0	636.3
40°	577.5	575.4	573.2	569.5	565.2	557.5	546.4	536.9	532.2	527.5	532.2
42.5°	463.6	469.3	475.0	473.2	469.0	461.3	450.1	440.0	432.9	425.8	432.9
45°	272.4	296.4	320.3	328.9	332.3	327.6	314.7	295.6	257.5	219.5	257.5
47.5°	117.0	143.4	169.7	191.9	212.6	206.0	172.2	139.0	107.3	75.7	107.3
50°	53.9	74.4	95.0	122.6	152.5	146.3	104.0	68.6	54.0	39.5	54.0
52.5°	31.6	41.8	52.1	77.9	108.9	106.1	69.6	40.2	32.5	24.8	32.5
55°	13.5	16.9	20.3	34.3	51.9	51.0	31.8	16.6	13.6	10.6	13.6
57.5°	5.0	6.9	8.8	13.8	19.9	19.5	12.6	7.1	5.6	4.0	5.6
60°	1.9	2.8	3.6	6.1	9.1	8.9	5.5	2.7	1.8	1.0	1.8
62.5°	0.4	0.9	1.4	2.8	4.4	4.3	2.6	1.2	0.7	0.2	0.7
65°	0.0	0.0	0.0	0.3	0.7	0.7	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	1.8	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



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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



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1
2.5°	5312.7	5300.0	5281.2	5282.1	5302.6	5320.2	5329.1	5338.0	5329.1	5320.2	5302.6
5°	5142.3	5121.0	5093.2	5087.2	5103.0	5118.0	5130.4	5142.8	5130.4	5118.0	5103.0
7.5°	4755.6	4733.4	4702.6	4694.7	4709.8	4720.0	4716.0	4712.0	4716.0	4720.0	4709.8
10°	4386.3	4381.5	4371.2	4366.9	4368.6	4369.2	4366.2	4363.2	4366.2	4369.2	4368.6
12.5°	3971.5	3958.7	3943.3	3946.7	3969.0	3982.7	3970.8	3958.9	3970.8	3982.7	3969.0
15°	3314.9	3299.6	3279.0	3290.2	3332.9	3360.2	3341.0	3321.7	3341.0	3360.2	3332.9
17.5°	2679.0	2676.4	2672.6	2681.6	2703.4	2720.2	2722.2	2724.2	2722.2	2720.2	2703.4
20°	2277.9	2279.6	2282.6	2293.3	2311.7	2326.2	2329.2	2332.2	2329.2	2326.2	2311.7
22.5°	1954.7	1959.5	1967.0	1973.9	1980.3	1986.4	1991.4	1996.5	1991.4	1986.4	1980.3
25°	1552.2	1546.8	1536.5	1537.4	1549.4	1562.4	1578.7	1594.9	1578.7	1562.4	1549.4
27.5°	1259.6	1258.4	1257.2	1261.8	1272.0	1279.7	1279.9	1280.2	1279.9	1279.7	1272.0
30°	1104.7	1105.6	1105.2	1109.9	1119.7	1127.9	1130.9	1133.9	1130.9	1127.9	1119.7
32.5°	974.5	977.6	979.9	987.1	999.4	1008.0	1005.9	1003.7	1005.9	1008.0	999.4
35°	798.6	803.7	810.1	818.0	827.5	834.5	834.5	834.5	834.5	834.5	827.5
37.5°	639.6	647.3	656.3	664.2	670.9	676.1	676.9	677.6	676.9	676.1	670.9
40°	536.9	546.4	557.5	565.2	569.5	573.2	575.4	577.5	575.4	573.2	569.5
42.5°	440.0	450.1	461.3	469.0	473.2	475.0	469.3	463.6	469.3	475.0	473.2
45°	295.6	314.7	327.6	332.3	328.9	320.3	296.4	272.4	296.4	320.3	328.9
47.5°	139.0	172.2	206.0	212.6	191.9	169.7	143.4	117.0	143.4	169.7	191.9
50°	68.6	104.0	146.3	152.5	122.6	95.0	74.4	53.9	74.4	95.0	122.6
52.5°	40.2	69.6	106.1	108.9	77.9	52.1	41.8	31.6	41.8	52.1	77.9
55°	16.6	31.8	51.0	51.9	34.3	20.3	16.9	13.5	16.9	20.3	34.3
57.5°	7.1	12.6	19.5	19.9	13.8	8.8	6.9	5.0	6.9	8.8	13.8
60°	2.7	5.5	8.9	9.1	6.1	3.6	2.8	1.9	2.8	3.6	6.1
62.5°	1.2	2.6	4.3	4.4	2.8	1.4	0.9	0.4	0.9	1.4	2.8
65°	0.0	0.3	0.7	0.7	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°	5.4	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: P1427618

CATALOG NUMBER: SQ2W-BBN-K-100U-075D-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: P1427618

CATALOG NUMBER: SQ2W-BBN-K-100U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1	5341.1
2.5°	5282.1	5281.2	5300.0	5312.7	5306.9	5301.1	5306.9	5312.7	5300.0	5281.2	5282.1
5°	5087.2	5093.2	5121.0	5142.3	5144.0	5145.7	5144.0	5142.3	5121.0	5093.2	5087.2
7.5°	4694.7	4702.6	4733.4	4755.6	4752.3	4749.0	4752.3	4755.6	4733.4	4702.6	4694.7
10°	4366.9	4371.2	4381.5	4386.3	4374.7	4363.2	4374.7	4386.3	4381.5	4371.2	4366.9
12.5°	3946.7	3943.3	3958.7	3971.5	3976.4	3981.2	3976.4	3971.5	3958.7	3943.3	3946.7
15°	3290.2	3279.0	3299.6	3314.9	3314.4	3314.0	3314.4	3314.9	3299.6	3279.0	3290.2
17.5°	2681.6	2672.6	2676.4	2679.0	2677.7	2676.4	2677.7	2679.0	2676.4	2672.6	2681.6
20°	2293.3	2282.6	2279.6	2277.9	2280.0	2282.2	2280.0	2277.9	2279.6	2282.6	2293.3
22.5°	1973.9	1967.0	1959.5	1954.7	1957.5	1960.3	1957.5	1954.7	1959.5	1967.0	1973.9
25°	1537.4	1536.5	1546.8	1552.2	1543.3	1534.3	1543.3	1552.2	1546.8	1536.5	1537.4
27.5°	1261.8	1257.2	1258.4	1259.6	1261.3	1263.0	1261.3	1259.6	1258.4	1257.2	1261.8
30°	1109.9	1105.2	1105.6	1104.7	1099.5	1094.4	1099.5	1104.7	1105.6	1105.2	1109.9
32.5°	987.1	979.9	977.6	974.5	969.4	964.3	969.4	974.5	977.6	979.9	987.1
35°	818.0	810.1	803.7	798.6	797.3	796.0	797.3	798.6	803.7	810.1	818.0
37.5°	664.2	656.3	647.3	639.6	636.3	633.0	636.3	639.6	647.3	656.3	664.2
40°	565.2	557.5	546.4	536.9	532.2	527.5	532.2	536.9	546.4	557.5	565.2
42.5°	469.0	461.3	450.1	440.0	432.9	425.8	432.9	440.0	450.1	461.3	469.0
45°	332.3	327.6	314.7	295.6	257.5	219.5	257.5	295.6	314.7	327.6	332.3
47.5°	212.6	206.0	172.2	139.0	107.3	75.7	107.3	139.0	172.2	206.0	212.6
50°	152.5	146.3	104.0	68.6	54.0	39.5	54.0	68.6	104.0	146.3	152.5
52.5°	108.9	106.1	69.6	40.2	32.5	24.8	32.5	40.2	69.6	106.1	108.9
55°	51.9	51.0	31.8	16.6	13.6	10.6	13.6	16.6	31.8	51.0	51.9
57.5°	19.9	19.5	12.6	7.1	5.6	4.0	5.6	7.1	12.6	19.5	19.9
60°	9.1	8.9	5.5	2.7	1.8	1.0	1.8	2.7	5.5	8.9	9.1
62.5°	4.4	4.3	2.6	1.2	0.7	0.2	0.7	1.2	2.6	4.3	4.4
65°	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.3	0.7	0.7	0.7
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: P1427618

CATALOG NUMBER: SQ2W-BBN-K-100U-075D-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: P1427618

CATALOG NUMBER: SQ2W-BBN-K-100U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	5341.1	5341.1	5341.1	5341.1
2.5°	5302.6	5320.2	5329.1	5338.0
5°	5103.0	5118.0	5130.4	5142.8
7.5°	4709.8	4720.0	4716.0	4712.0
10°	4368.6	4369.2	4366.2	4363.2
12.5°	3969.0	3982.7	3970.8	3958.9
15°	3332.9	3360.2	3341.0	3321.7
17.5°	2703.4	2720.2	2722.2	2724.2
20°	2311.7	2326.2	2329.2	2332.2
22.5°	1980.3	1986.4	1991.4	1996.5
25°	1549.4	1562.4	1578.7	1594.9
27.5°	1272.0	1279.7	1279.9	1280.2
30°	1119.7	1127.9	1130.9	1133.9
32.5°	999.4	1008.0	1005.9	1003.7
35°	827.5	834.5	834.5	834.5
37.5°	670.9	676.1	676.9	677.6
40°	569.5	573.2	575.4	577.5
42.5°	473.2	475.0	469.3	463.6
45°	328.9	320.3	296.4	272.4
47.5°	191.9	169.7	143.4	117.0
50°	122.6	95.0	74.4	53.9
52.5°	77.9	52.1	41.8	31.6
55°	34.3	20.3	16.9	13.5
57.5°	13.8	8.8	6.9	5.0
60°	6.1	3.6	2.8	1.9
62.5°	2.8	1.4	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°	4.6	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: P1427618

CATALOG NUMBER: SQ2W-BBN-K-100U-075D-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: P1427618
 CATALOG NUMBER: SQ2W-BBN-K-100U-075D-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	0.00	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