

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: P1427613

Luminaire Tested: SQ2W-BBN-K-075U-125D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427613  
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-075U-125D-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 1250 LUMENS PER FOOT  
UPLIGHT 750 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

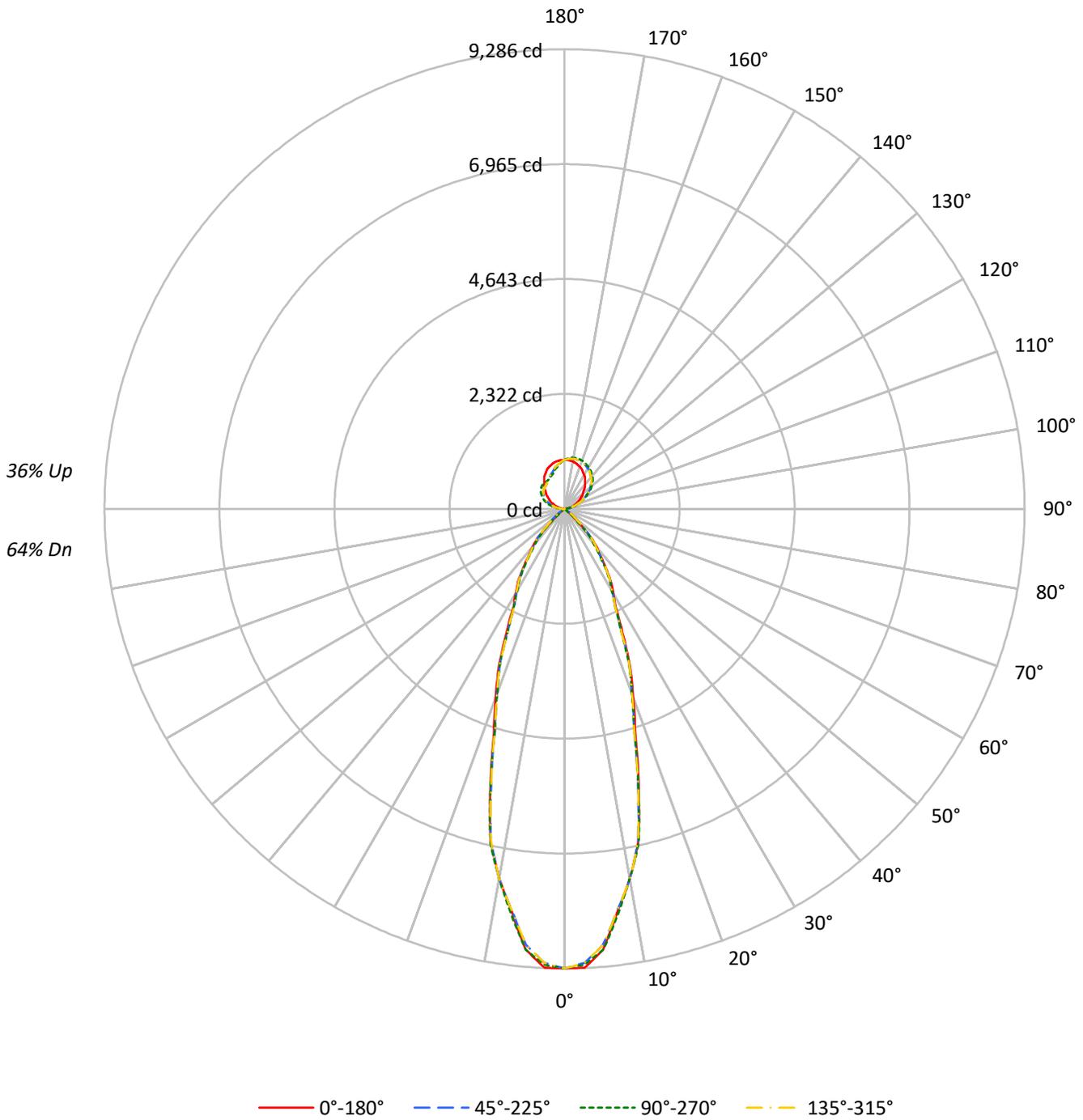
Lumens per Lamp: N/A  
Luminaire Lumens: 7911.3 lumens  
Efficiency: N/A  
Efficacy: 107.8 lumens/watt  
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 73.4  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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-075U-125D-L935-UNV-STD-W-WM-4

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20													
RC	80					70					50					30					10					0								
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0				
RCR																																		
0	110	110	110	110	104	104	104	104	91	91	91	79	79	79	69	69	69	64																
1	104	101	98	95	98	95	93	90	84	83	81	74	73	72	65	65	64	60																
2	98	92	88	84	92	87	83	80	78	75	73	70	68	66	62	61	60	56																
3	92	85	79	75	87	81	76	72	73	69	66	66	63	61	59	57	55	52																
4	86	78	72	68	82	75	69	65	68	64	61	62	59	56	56	54	52	49																
5	81	72	66	62	77	69	64	60	63	59	56	58	55	52	53	50	49	46																
6	77	67	61	57	73	65	59	55	60	55	52	55	51	49	50	48	46	43																
7	73	63	57	52	69	61	55	51	56	51	48	52	48	46	48	45	43	41																
8	69	59	53	49	66	57	51	47	53	48	45	49	45	43	45	43	41	39																
9	65	55	49	45	62	54	48	44	50	45	42	46	43	40	43	40	38	37																
10	62	52	46	42	59	51	45	42	47	43	40	44	41	38	41	38	36	35																

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

	0°	90°	180°	270°
0°	149931	149931	149931	149931
5°	144917	144998	144917	144998
10°	124368	124368	124368	124368
15°	96533	96309	96533	96309
20°	69670	68174	69670	68174
25°	49400	47521	49400	47521
30°	36753	35474	36753	35474
35°	28597	27279	28597	27279
40°	21163	19329	21163	19329
45°	10814	8713	10814	8713
50°	2354	1723	2354	1723
55°	659	518	659	518
60°	107	55	107	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: 13191 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	803.0	10.2
10°-20°	1583.2	20.0
20°-30°	1277.1	16.1
30°-40°	887.2	11.2
40°-50°	409.8	5.2
50°-60°	57.4	0.7
60°-70°	2.0	0.0
70°-80°	0.0	0.0
80°-90°	5.3	0.1
90°-100°	78.7	1.0
100°-110°	229.5	2.9
110°-120°	374.6	4.7
120°-130°	475.3	6.0
130°-140°	508.6	6.4
140°-150°	474.9	6.0
150°-160°	390.8	4.9
160°-170°	262.1	3.3
170°-180°	93.1	1.2
0°-30°	3663.3	46.3
0°-40°	4550.4	57.5
0°-60°	5017.6	63.4
0°-90°	5024.8	63.5
90°-120°	682.8	8.6
90°-150°	2141.7	27.1
90°-180°	2888.0	36.5
0°-180°	7911.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	9286	9286	9286	9286	9286	
5°	8942	8946	8942	8946	8942	804
15°	5775	5762	5775	5762	5775	1590
25°	2773	2668	2773	2668	2773	1298
35°	1451	1384	1451	1384	1451	908
45°	474	382	474	382	474	383
55°	23	18	23	18	23	30
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	3	22	3	43	3	2
95°	31	23	31	135	31	37
105°	146	234	146	322	146	155
115°	280	388	280	478	280	276
125°	414	614	414	585	414	370
135°	562	804	562	648	562	435
145°	718	927	718	662	718	449
155°	853	1007	853	687	853	392
165°	943	1050	943	791	943	265
175°	986	1028	986	928	986	94
180°	989	989	989	989	989	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2
2.5°	9280.8	9265.4	9249.9	9219.3	9183.6	9182.1	9214.8	9236.8	9226.7	9216.6	9226.7
5°	8941.5	8919.9	8898.3	8872.3	8844.8	8855.2	8903.5	8940.5	8943.5	8946.5	8943.5
7.5°	8192.4	8199.4	8206.4	8188.5	8162.3	8176.0	8229.6	8268.3	8262.5	8256.7	8262.5
10°	7585.9	7591.1	7596.3	7595.4	7592.4	7599.9	7617.7	7626.1	7606.0	7585.9	7606.0
12.5°	6883.1	6903.7	6924.4	6900.6	6861.9	6856.0	6882.7	6904.9	6913.4	6921.9	6913.4
15°	5775.2	5808.7	5842.2	5794.7	5720.4	5701.0	5736.7	5763.3	5762.6	5761.8	5762.6
17.5°	4736.3	4732.9	4729.5	4700.2	4662.2	4646.6	4653.3	4657.8	4655.5	4653.3	4655.5
20°	4054.9	4049.7	4044.5	4019.2	3987.2	3968.6	3963.4	3960.4	3964.1	3967.8	3964.1
22.5°	3471.2	3462.4	3453.6	3443.0	3431.9	3419.8	3406.9	3398.4	3403.3	3408.2	3403.3
25°	2773.0	2744.7	2716.4	2693.8	2672.9	2671.4	2689.3	2698.8	2683.2	2667.5	2683.2
27.5°	2225.7	2225.3	2224.8	2211.5	2193.8	2185.9	2187.8	2190.0	2193.0	2196.0	2193.0
30°	1971.4	1966.2	1961.0	1946.8	1929.7	1921.5	1922.3	1920.6	1911.7	1902.8	1911.7
32.5°	1745.1	1748.8	1752.6	1737.5	1716.3	1703.6	1699.6	1694.4	1685.4	1676.5	1685.4
35°	1450.9	1450.9	1450.9	1438.6	1422.3	1408.5	1397.4	1388.4	1386.2	1384.0	1386.2
37.5°	1178.1	1176.8	1175.5	1166.4	1154.8	1141.1	1125.4	1112.1	1106.3	1100.5	1106.3
40°	1004.1	1000.4	996.7	990.1	982.7	969.3	950.0	933.4	925.3	917.1	925.3
42.5°	806.0	815.9	825.9	822.8	815.4	802.0	782.6	765.0	752.7	740.4	752.7
45°	473.6	515.2	556.9	571.8	577.7	569.5	547.2	513.9	447.8	381.6	447.8
47.5°	203.5	249.3	295.1	333.6	369.6	358.2	299.4	241.6	186.6	131.5	186.6
50°	93.7	129.4	165.1	213.1	265.2	254.4	180.7	119.2	93.9	68.6	93.9
52.5°	54.9	72.7	90.6	135.4	189.3	184.5	120.9	70.0	56.6	43.2	56.6
55°	23.4	29.4	35.3	59.7	90.2	88.7	55.2	28.8	23.6	18.4	23.6
57.5°	8.7	12.0	15.2	24.0	34.5	33.9	22.0	12.4	9.7	7.0	9.7
60°	3.3	4.8	6.3	10.6	15.8	15.4	9.5	4.6	3.2	1.7	3.2
62.5°	0.7	1.6	2.5	4.8	7.6	7.5	4.6	2.1	1.2	0.3	1.2
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°	0.6	1.4	2.4	3.2	3.8	4.0	4.0	4.2	4.4	4.4	4.4
90°	3.0	7.0	12.0	16.0	19.0	20.0	20.0	21.0	22.0	22.0	22.0
92.5°	11.0	17.4	17.6	17.6	21.4	23.2	24.8	25.0	26.0	26.0	26.0
95°	31.0	34.0	50.9	49.9	34.0	27.0	23.0	23.0	23.0	23.0	23.0
97.5°	59.1	63.5	66.3	88.9	93.9	90.7	73.9	62.1	55.5	52.5	55.5
100°	83.9	85.9	91.9	92.9	117.9	141.9	129.9	114.9	109.9	106.9	109.9
102.5°	108.7	109.9	119.1	123.3	129.1	142.7	184.2	179.6	176.2	175.6	176.2
105°	145.8	146.8	163.8	171.8	175.8	175.8	174.8	194.8	226.8	233.8	226.8
107.5°	185.6	190.2	210.2	231.6	236.2	237.4	232.2	229.2	228.0	228.8	228.0
110°	212.8	219.8	243.7	270.7	277.7	279.7	277.7	274.7	272.7	272.7	272.7



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	239.2	249.3	276.5	307.5	319.3	325.3	320.9	318.7	316.7	318.3	316.7
115°	279.7	294.7	330.7	362.6	386.6	389.6	388.6	388.6	387.6	387.6	387.6
117.5°	317.3	341.2	381.6	418.8	446.5	454.5	458.5	457.3	456.1	458.1	456.1
120°	343.6	371.6	417.6	459.5	486.5	498.5	502.5	500.5	502.5	500.5	502.5
122.5°	371.6	406.0	451.1	494.7	526.5	540.0	544.8	545.2	545.6	544.4	545.6
125°	413.6	455.5	508.5	553.4	586.4	602.4	606.4	607.4	609.4	614.4	609.4
127.5°	455.9	503.5	561.6	605.0	638.7	658.1	664.3	666.5	670.7	672.9	670.7
130°	485.5	539.4	598.4	639.3	672.3	693.3	704.3	707.3	712.3	711.3	712.3
132.5°	516.7	573.0	632.7	675.3	705.9	728.4	737.8	746.4	748.2	749.6	748.2
135°	562.4	623.4	683.3	725.3	754.2	776.2	788.2	796.2	801.2	804.2	801.2
137.5°	610.6	674.9	732.4	769.8	799.0	818.0	831.5	839.9	845.1	847.5	845.1
140°	643.3	705.3	761.2	800.2	826.1	845.1	857.1	867.1	873.1	873.1	873.1
142.5°	674.5	735.6	790.0	828.9	851.7	869.1	881.9	889.5	896.3	896.3	896.3
145°	718.3	779.2	829.1	868.1	887.1	903.1	917.1	923.0	927.0	927.0	927.0
147.5°	764.0	818.0	863.5	900.9	916.9	935.6	946.6	951.4	956.4	954.2	956.4
150°	791.2	841.1	885.1	920.1	936.0	954.0	965.0	969.0	974.0	971.0	974.0
152.5°	817.6	865.1	905.1	937.6	951.2	969.2	981.8	985.8	989.2	987.0	989.2
155°	853.1	895.1	932.0	962.0	974.0	991.0	1003.0	1008.0	1012.0	1007.0	1012.0
157.5°	884.9	921.0	953.2	980.8	993.6	1008.2	1019.3	1025.5	1029.5	1027.3	1029.5
160°	904.1	937.0	966.0	992.0	1004.0	1017.0	1028.9	1035.9	1039.9	1036.9	1039.9
162.5°	920.1	949.8	977.2	1000.8	1011.2	1022.5	1036.9	1043.1	1047.1	1043.3	1047.1
165°	943.0	967.0	991.0	1011.0	1019.9	1028.9	1043.9	1050.9	1053.9	1049.9	1053.9
167.5°	960.4	978.8	998.2	1015.4	1021.9	1030.7	1045.7	1051.5	1055.3	1050.3	1055.3
170°	970.0	986.0	1003.0	1017.0	1021.9	1029.9	1044.9	1049.9	1052.9	1047.9	1052.9
172.5°	978.0	990.0	1003.8	1016.2	1018.7	1025.1	1039.3	1044.3	1046.5	1042.3	1046.5
175°	986.0	993.0	1003.0	1011.0	1010.0	1014.0	1025.9	1029.9	1033.9	1027.9	1033.9
177.5°	989.8	993.0	996.2	1001.0	997.8	997.8	1006.6	1009.0	1009.8	1006.6	1009.8
180°	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2
2.5°	9236.8	9214.8	9182.1	9183.6	9219.3	9249.9	9265.4	9280.8	9265.4	9249.9	9219.3
5°	8940.5	8903.5	8855.2	8844.8	8872.3	8898.3	8919.9	8941.5	8919.9	8898.3	8872.3
7.5°	8268.3	8229.6	8176.0	8162.3	8188.5	8206.4	8199.4	8192.4	8199.4	8206.4	8188.5
10°	7626.1	7617.7	7599.9	7592.4	7595.4	7596.3	7591.1	7585.9	7591.1	7596.3	7595.4
12.5°	6904.9	6882.7	6856.0	6861.9	6900.6	6924.4	6903.7	6883.1	6903.7	6924.4	6900.6
15°	5763.3	5736.7	5701.0	5720.4	5794.7	5842.2	5808.7	5775.2	5808.7	5842.2	5794.7
17.5°	4657.8	4653.3	4646.6	4662.2	4700.2	4729.5	4732.9	4736.3	4732.9	4729.5	4700.2
20°	3960.4	3963.4	3968.6	3987.2	4019.2	4044.5	4049.7	4054.9	4049.7	4044.5	4019.2
22.5°	3398.4	3406.9	3419.8	3431.9	3443.0	3453.6	3462.4	3471.2	3462.4	3453.6	3443.0
25°	2698.8	2689.3	2671.4	2672.9	2693.8	2716.4	2744.7	2773.0	2744.7	2716.4	2693.8
27.5°	2190.0	2187.8	2185.9	2193.8	2211.5	2224.8	2225.3	2225.7	2225.3	2224.8	2211.5
30°	1920.6	1922.3	1921.5	1929.7	1946.8	1961.0	1966.2	1971.4	1966.2	1961.0	1946.8
32.5°	1694.4	1699.6	1703.6	1716.3	1737.5	1752.6	1748.8	1745.1	1748.8	1752.6	1737.5
35°	1388.4	1397.4	1408.5	1422.3	1438.6	1450.9	1450.9	1450.9	1450.9	1450.9	1438.6
37.5°	1112.1	1125.4	1141.1	1154.8	1166.4	1175.5	1176.8	1178.1	1176.8	1175.5	1166.4
40°	933.4	950.0	969.3	982.7	990.1	996.7	1000.4	1004.1	1000.4	996.7	990.1
42.5°	765.0	782.6	802.0	815.4	822.8	825.9	815.9	806.0	815.9	825.9	822.8
45°	513.9	547.2	569.5	577.7	571.8	556.9	515.2	473.6	515.2	556.9	571.8
47.5°	241.6	299.4	358.2	369.6	333.6	295.1	249.3	203.5	249.3	295.1	333.6
50°	119.2	180.7	254.4	265.2	213.1	165.1	129.4	93.7	129.4	165.1	213.1
52.5°	70.0	120.9	184.5	189.3	135.4	90.6	72.7	54.9	72.7	90.6	135.4
55°	28.8	55.2	88.7	90.2	59.7	35.3	29.4	23.4	29.4	35.3	59.7
57.5°	12.4	22.0	33.9	34.5	24.0	15.2	12.0	8.7	12.0	15.2	24.0
60°	4.6	9.5	15.4	15.8	10.6	6.3	4.8	3.3	4.8	6.3	10.6
62.5°	2.1	4.6	7.5	7.6	4.8	2.5	1.6	0.7	1.6	2.5	4.8
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°	4.2	4.0	4.0	3.8	3.2	2.4	1.4	0.6	1.4	2.2	3.6
90°	21.0	20.0	20.0	19.0	16.0	12.0	7.0	3.0	7.0	11.0	18.0
92.5°	25.0	24.8	23.2	21.4	17.6	17.6	17.4	11.0	19.0	27.0	38.8
95°	23.0	23.0	27.0	34.0	49.9	50.9	34.0	31.0	44.0	61.9	77.9
97.5°	62.1	73.9	90.7	93.9	88.9	66.3	63.5	59.1	80.5	98.3	124.1
100°	114.9	129.9	141.9	117.9	92.9	91.9	85.9	83.9	106.9	123.9	148.8
102.5°	179.6	184.2	142.7	129.1	123.3	119.1	109.9	108.7	131.7	155.0	176.0
105°	194.8	174.8	175.8	175.8	171.8	163.8	146.8	145.8	171.8	198.8	224.8
107.5°	229.2	232.2	237.4	236.2	231.6	210.2	190.2	185.6	209.0	241.4	269.9
110°	274.7	277.7	279.7	277.7	270.7	243.7	219.8	212.8	233.8	267.7	298.7



TEST NUMBER: P1427613

CATALOG NUMBER: SQ2W-BBN-K-075U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	318.7	320.9	325.3	319.3	307.5	276.5	249.3	239.2	260.1	294.9	326.7
115°	388.6	388.6	389.6	386.6	362.6	330.7	294.7	279.7	297.7	329.7	364.6
117.5°	457.3	458.5	454.5	446.5	418.8	381.6	341.2	317.3	331.5	365.2	401.2
120°	500.5	502.5	498.5	486.5	459.5	417.6	371.6	343.6	354.6	387.6	423.6
122.5°	545.2	544.8	540.0	526.5	494.7	451.1	406.0	371.6	376.2	406.8	441.9
125°	607.4	606.4	602.4	586.4	553.4	508.5	455.5	413.6	407.6	433.6	469.5
127.5°	666.5	664.3	658.1	638.7	605.0	561.6	503.5	455.9	442.5	458.9	491.9
130°	707.3	704.3	693.3	672.3	639.3	598.4	539.4	485.5	466.5	476.5	505.5
132.5°	746.4	737.8	728.4	705.9	675.3	632.7	573.0	516.7	490.5	494.9	517.5
135°	796.2	788.2	776.2	754.2	725.3	683.3	623.4	562.4	526.5	522.5	535.4
137.5°	839.9	831.5	818.0	799.0	769.8	732.4	674.9	610.6	565.2	551.8	556.8
140°	867.1	857.1	845.1	826.1	800.2	761.2	705.3	643.3	592.4	573.4	570.4
142.5°	889.5	881.9	869.1	851.7	828.9	790.0	735.6	674.5	620.4	595.8	588.8
145°	923.0	917.1	903.1	887.1	868.1	829.1	779.2	718.3	664.3	632.3	617.4
147.5°	951.4	946.6	935.6	916.9	900.9	863.5	818.0	764.0	708.7	669.1	649.7
150°	969.0	965.0	954.0	936.0	920.1	885.1	841.1	791.2	738.2	696.3	671.3
152.5°	985.8	981.8	969.2	951.2	937.6	905.1	865.1	817.6	763.8	721.9	696.1
155°	1008.0	1003.0	991.0	974.0	962.0	932.0	895.1	853.1	807.2	763.2	734.2
157.5°	1025.5	1019.3	1008.2	993.6	980.8	953.2	921.0	884.9	844.7	802.8	773.2
160°	1035.9	1028.9	1017.0	1004.0	992.0	966.0	937.0	904.1	867.1	829.1	797.2
162.5°	1043.1	1036.9	1022.5	1011.2	1000.8	977.2	949.8	920.1	887.1	853.9	824.3
165°	1050.9	1043.9	1028.9	1019.9	1011.0	991.0	967.0	943.0	915.1	888.1	864.1
167.5°	1051.5	1045.7	1030.7	1021.9	1015.4	998.2	978.8	960.4	938.6	917.5	897.5
170°	1049.9	1044.9	1029.9	1021.9	1017.0	1003.0	986.0	970.0	953.0	935.0	919.1
172.5°	1044.3	1039.3	1025.1	1018.7	1016.2	1003.8	990.0	978.0	963.4	950.2	937.4
175°	1029.9	1025.9	1014.0	1010.0	1011.0	1003.0	993.0	986.0	977.0	969.0	962.0
177.5°	1009.0	1006.6	997.8	997.8	1001.0	996.2	993.0	989.8	985.8	983.4	981.0
180°	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0



TEST NUMBER: P1427613

CATALOG NUMBER: SQ2W-BBN-K-075U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2
2.5°	9183.6	9182.1	9214.8	9236.8	9226.7	9216.6	9226.7	9236.8	9214.8	9182.1	9183.6
5°	8844.8	8855.2	8903.5	8940.5	8943.5	8946.5	8943.5	8940.5	8903.5	8855.2	8844.8
7.5°	8162.3	8176.0	8229.6	8268.3	8262.5	8256.7	8262.5	8268.3	8229.6	8176.0	8162.3
10°	7592.4	7599.9	7617.7	7626.1	7606.0	7585.9	7606.0	7626.1	7617.7	7599.9	7592.4
12.5°	6861.9	6856.0	6882.7	6904.9	6913.4	6921.9	6913.4	6904.9	6882.7	6856.0	6861.9
15°	5720.4	5701.0	5736.7	5763.3	5762.6	5761.8	5762.6	5763.3	5736.7	5701.0	5720.4
17.5°	4662.2	4646.6	4653.3	4657.8	4655.5	4653.3	4655.5	4657.8	4653.3	4646.6	4662.2
20°	3987.2	3968.6	3963.4	3960.4	3964.1	3967.8	3964.1	3960.4	3963.4	3968.6	3987.2
22.5°	3431.9	3419.8	3406.9	3398.4	3403.3	3408.2	3403.3	3398.4	3406.9	3419.8	3431.9
25°	2672.9	2671.4	2689.3	2698.8	2683.2	2667.5	2683.2	2698.8	2689.3	2671.4	2672.9
27.5°	2193.8	2185.9	2187.8	2190.0	2193.0	2196.0	2193.0	2190.0	2187.8	2185.9	2193.8
30°	1929.7	1921.5	1922.3	1920.6	1911.7	1902.8	1911.7	1920.6	1922.3	1921.5	1929.7
32.5°	1716.3	1703.6	1699.6	1694.4	1685.4	1676.5	1685.4	1694.4	1699.6	1703.6	1716.3
35°	1422.3	1408.5	1397.4	1388.4	1386.2	1384.0	1386.2	1388.4	1397.4	1408.5	1422.3
37.5°	1154.8	1141.1	1125.4	1112.1	1106.3	1100.5	1106.3	1112.1	1125.4	1141.1	1154.8
40°	982.7	969.3	950.0	933.4	925.3	917.1	925.3	933.4	950.0	969.3	982.7
42.5°	815.4	802.0	782.6	765.0	752.7	740.4	752.7	765.0	782.6	802.0	815.4
45°	577.7	569.5	547.2	513.9	447.8	381.6	447.8	513.9	547.2	569.5	577.7
47.5°	369.6	358.2	299.4	241.6	186.6	131.5	186.6	241.6	299.4	358.2	369.6
50°	265.2	254.4	180.7	119.2	93.9	68.6	93.9	119.2	180.7	254.4	265.2
52.5°	189.3	184.5	120.9	70.0	56.6	43.2	56.6	70.0	120.9	184.5	189.3
55°	90.2	88.7	55.2	28.8	23.6	18.4	23.6	55.2	88.7	90.2	
57.5°	34.5	33.9	22.0	12.4	9.7	7.0	9.7	22.0	33.9	34.5	
60°	15.8	15.4	9.5	4.6	3.2	1.7	3.2	9.5	15.4	15.8	
62.5°	7.6	7.5	4.6	2.1	1.2	0.3	1.2	4.6	7.5	7.6	
65°	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.6	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	
70°	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	
75°	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	
80°	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	
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
87.5°	4.6	6.0	7.4	8.2	9.0	8.6	9.0	8.2	7.4	6.0	4.6
90°	23.0	30.0	37.0	41.0	45.0	43.0	45.0	41.0	37.0	30.0	23.0
92.5°	46.2	57.9	66.5	73.7	76.9	76.5	76.9	73.7	66.5	57.9	46.2
95°	92.9	106.9	120.9	130.9	136.9	134.9	136.9	130.9	120.9	106.9	92.9
97.5°	143.3	162.0	177.6	187.0	193.0	197.0	193.0	187.0	177.6	162.0	143.3
100°	176.8	194.8	212.8	223.8	233.8	237.8	233.8	223.8	212.8	194.8	176.8
102.5°	204.0	227.6	247.1	258.9	267.3	271.3	267.3	258.9	247.1	227.6	204.0
105°	248.7	273.7	294.7	309.7	318.7	321.7	318.7	309.7	294.7	273.7	248.7
107.5°	293.5	319.3	338.7	355.2	366.2	372.6	366.2	355.2	338.7	319.3	293.5
110°	328.7	349.6	370.6	385.6	396.6	400.6	396.6	385.6	370.6	349.6	328.7



TEST NUMBER: P1427613

CATALOG NUMBER: SQ2W-BBN-K-075U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	358.2	381.6	402.6	417.6	430.2	435.8	430.2	417.6	402.6	381.6	358.2
115°	399.6	430.6	449.5	463.5	472.5	477.5	472.5	463.5	449.5	430.6	399.6
117.5°	434.0	466.3	487.1	497.9	502.1	505.7	502.1	497.9	487.1	466.3	434.0
120°	455.5	485.5	509.5	523.5	528.5	530.5	528.5	523.5	509.5	485.5	455.5
122.5°	475.5	503.9	527.1	544.2	552.4	554.4	552.4	544.2	527.1	503.9	475.5
125°	503.5	530.5	554.4	571.4	580.4	585.4	580.4	571.4	554.4	530.5	503.5
127.5°	527.9	557.0	579.0	594.4	603.2	607.2	603.2	594.4	579.0	557.0	527.9
130°	541.4	571.4	593.4	610.4	618.4	622.4	618.4	610.4	593.4	571.4	541.4
132.5°	551.8	583.4	606.2	621.6	630.3	634.3	630.3	621.6	606.2	583.4	551.8
135°	564.4	597.4	621.4	636.3	644.3	648.3	644.3	636.3	621.4	597.4	564.4
137.5°	575.4	605.4	630.3	646.1	653.3	655.9	653.3	646.1	630.3	605.4	575.4
140°	583.4	609.4	634.3	649.3	657.3	658.3	657.3	649.3	634.3	609.4	583.4
142.5°	593.8	614.2	635.9	650.9	658.9	660.7	658.9	650.9	635.9	614.2	593.8
145°	612.4	624.4	639.3	653.3	660.3	662.3	660.3	653.3	639.3	624.4	612.4
147.5°	635.7	639.5	647.3	656.5	663.3	664.7	663.3	656.5	647.3	639.5	635.7
150°	653.3	652.3	655.3	661.3	667.3	666.3	667.3	661.3	655.3	652.3	653.3
152.5°	673.3	667.5	667.3	670.1	672.9	672.7	672.9	670.1	667.3	667.5	673.3
155°	707.3	696.3	690.3	688.3	688.3	687.3	688.3	688.3	690.3	696.3	707.3
157.5°	744.6	729.2	720.3	715.5	714.1	711.9	714.1	715.5	720.3	729.2	744.6
160°	770.2	753.2	744.2	736.2	733.2	730.2	733.2	736.2	744.2	753.2	770.2
162.5°	794.2	778.0	768.2	761.0	758.0	753.4	758.0	761.0	768.2	778.0	794.2
165°	833.1	816.2	805.2	799.2	795.2	791.2	795.2	799.2	805.2	816.2	833.1
167.5°	872.1	853.5	846.3	839.5	835.7	828.5	835.7	839.5	846.3	853.5	872.1
170°	896.1	879.1	875.1	869.1	862.1	854.1	862.1	869.1	875.1	879.1	896.1
172.5°	916.9	905.5	901.5	895.5	893.3	886.9	893.3	895.5	901.5	905.5	916.9
175°	947.0	938.0	938.0	937.0	934.0	928.0	934.0	937.0	938.0	938.0	947.0
177.5°	972.2	967.4	970.6	970.6	969.8	964.2	969.8	970.6	970.6	967.4	972.2
180°	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0



TEST NUMBER: P1427613

CATALOG NUMBER: SQ2W-BBN-K-075U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	9286.2	9286.2	9286.2	9286.2
2.5°	9219.3	9249.9	9265.4	9280.8
5°	8872.3	8898.3	8919.9	8941.5
7.5°	8188.5	8206.4	8199.4	8192.4
10°	7595.4	7596.3	7591.1	7585.9
12.5°	6900.6	6924.4	6903.7	6883.1
15°	5794.7	5842.2	5808.7	5775.2
17.5°	4700.2	4729.5	4732.9	4736.3
20°	4019.2	4044.5	4049.7	4054.9
22.5°	3443.0	3453.6	3462.4	3471.2
25°	2693.8	2716.4	2744.7	2773.0
27.5°	2211.5	2224.8	2225.3	2225.7
30°	1946.8	1961.0	1966.2	1971.4
32.5°	1737.5	1752.6	1748.8	1745.1
35°	1438.6	1450.9	1450.9	1450.9
37.5°	1166.4	1175.5	1176.8	1178.1
40°	990.1	996.7	1000.4	1004.1
42.5°	822.8	825.9	815.9	806.0
45°	571.8	556.9	515.2	473.6
47.5°	333.6	295.1	249.3	203.5
50°	213.1	165.1	129.4	93.7
52.5°	135.4	90.6	72.7	54.9
55°	59.7	35.3	29.4	23.4
57.5°	24.0	15.2	12.0	8.7
60°	10.6	6.3	4.8	3.3
62.5°	4.8	2.5	1.6	0.7
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°	3.6	2.2	1.4	0.6
90°	18.0	11.0	7.0	3.0
92.5°	38.8	27.0	19.0	11.0
95°	77.9	61.9	44.0	31.0
97.5°	124.1	98.3	80.5	59.1
100°	148.8	123.9	106.9	83.9
102.5°	176.0	155.0	131.7	108.7
105°	224.8	198.8	171.8	145.8
107.5°	269.9	241.4	209.0	185.6
110°	298.7	267.7	233.8	212.8



TEST NUMBER: P1427613

CATALOG NUMBER: SQ2W-BBN-K-075U-125D-L935-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	326.7	294.9	260.1	239.2
115°	364.6	329.7	297.7	279.7
117.5°	401.2	365.2	331.5	317.3
120°	423.6	387.6	354.6	343.6
122.5°	441.9	406.8	376.2	371.6
125°	469.5	433.6	407.6	413.6
127.5°	491.9	458.9	442.5	455.9
130°	505.5	476.5	466.5	485.5
132.5°	517.5	494.9	490.5	516.7
135°	535.4	522.5	526.5	562.4
137.5°	556.8	551.8	565.2	610.6
140°	570.4	573.4	592.4	643.3
142.5°	588.8	595.8	620.4	674.5
145°	617.4	632.3	664.3	718.3
147.5°	649.7	669.1	708.7	764.0
150°	671.3	696.3	738.2	791.2
152.5°	696.1	721.9	763.8	817.6
155°	734.2	763.2	807.2	853.1
157.5°	773.2	802.8	844.7	884.9
160°	797.2	829.1	867.1	904.1
162.5°	824.3	853.9	887.1	920.1
165°	864.1	888.1	915.1	943.0
167.5°	897.5	917.5	938.6	960.4
170°	919.1	935.0	953.0	970.0
172.5°	937.4	950.2	963.4	978.0
175°	962.0	969.0	977.0	986.0
177.5°	981.0	983.4	985.8	989.8
180°	989.0	989.0	989.0	989.0



TEST NUMBER: P1427613  
 CATALOG NUMBER: SQ2W-BBN-K-075U-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	0.00	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