

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: P1427526

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427526
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-075U-100D-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 1000 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

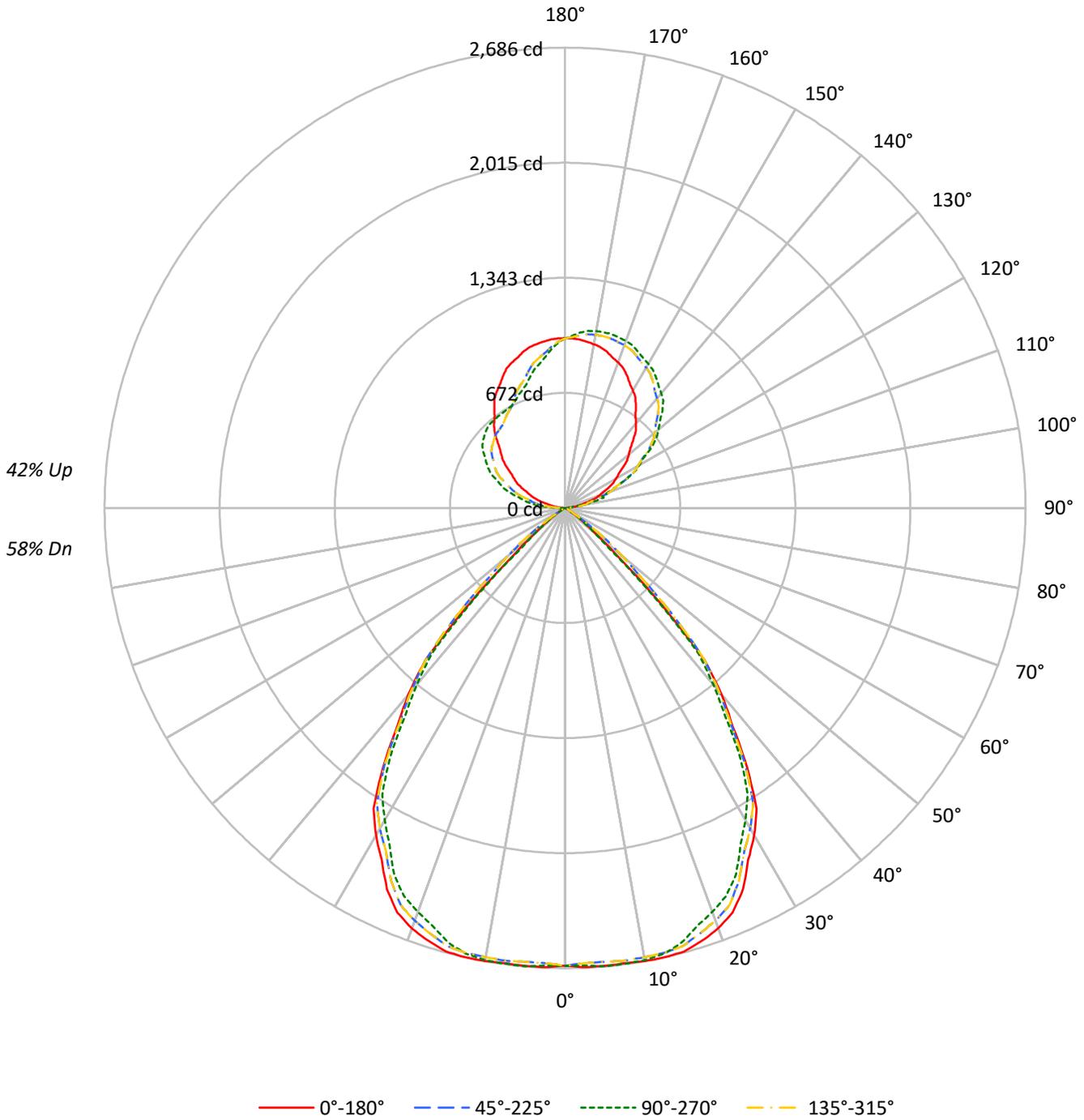
Lumens per Lamp: N/A
Luminaire Lumens: 6884.0 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 61.7
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: P1427526

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

Luminous Intensity Polar Plot





TEST NUMBER: P1427526

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

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	109	109	109	109	102	102	102	102	88	88	88	75	75	75	64	64	64	58				
1	102	98	95	92	95	92	89	87	80	78	77	70	68	67	60	59	58	53				
2	95	89	84	80	89	83	79	75	73	70	68	64	62	60	56	54	53	49				
3	88	80	74	69	82	76	70	66	67	63	60	59	56	54	52	50	48	44				
4	82	73	66	61	77	69	63	58	61	57	53	54	51	48	48	45	43	40				
5	76	66	59	54	71	63	57	52	56	51	48	50	46	44	44	42	40	37				
6	71	61	54	48	67	58	51	47	52	47	43	46	42	40	41	38	36	34				
7	66	56	49	44	62	53	47	42	48	43	39	43	39	36	38	35	33	31				
8	62	51	44	39	58	49	42	38	44	39	35	40	36	33	36	33	30	28				
9	58	47	40	36	55	45	39	35	41	36	32	37	33	30	33	30	28	26				
10	55	44	37	33	52	42	36	32	38	33	30	35	31	28	31	28	26	24				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	43123	43123	43123	43123
5°	43461	43526	43461	43526
10°	44006	43941	44006	43941
15°	44800	43907	44800	43907
20°	44858	43112	44858	43112
25°	43749	42035	43749	42035
30°	41125	39207	41125	39207
35°	36501	35131	36501	35131
40°	29935	28329	29935	28329
45°	17846	16748	17846	16748
50°	5571	5270	5571	5270
55°	2106	2106	2106	2106
60°	129	42	129	42
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: 20895 cd/sqm



TEST NUMBER: P1427526

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.4	3.7
10°-20°	748.1	10.9
20°-30°	1100.5	16.0
30°-40°	1124.8	16.3
40°-50°	648.0	9.4
50°-60°	111.5	1.6
60°-70°	4.0	0.1
70°-80°	0.0	0.0
80°-90°	5.3	0.1
90°-100°	78.7	1.1
100°-110°	229.5	3.3
110°-120°	374.6	5.4
120°-130°	475.3	6.9
130°-140°	508.6	7.4
140°-150°	474.9	6.9
150°-160°	390.8	5.7
160°-170°	262.1	3.8
170°-180°	93.1	1.4
0°-30°	2104.0	30.6
0°-40°	3228.8	46.9
0°-60°	3988.3	57.9
0°-90°	3997.6	58.1
90°-120°	682.8	9.9
90°-150°	2141.7	31.1
90°-180°	2888.0	42.0
0°-180°	6884.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2671	2671	2671	2671	2671	
5°	2682	2686	2682	2686	2682	256
15°	2680	2627	2680	2627	2680	755
25°	2456	2360	2456	2360	2456	1121
35°	1852	1782	1852	1782	1852	1144
45°	782	734	782	734	782	605
55°	75	75	75	75	75	79
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	



TEST NUMBER: P1427526

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

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9
2.5°	2682.6	2679.3	2676.0	2668.0	2658.5	2659.2	2670.2	2677.8	2675.4	2673.0	2675.4
5°	2681.6	2678.6	2675.6	2667.3	2657.2	2660.2	2676.2	2688.0	2686.8	2685.6	2686.8
7.5°	2680.0	2678.0	2675.9	2670.1	2663.0	2666.0	2679.2	2688.3	2685.3	2682.4	2685.3
10°	2684.2	2683.7	2683.1	2674.0	2662.1	2663.0	2676.7	2686.2	2683.2	2680.2	2683.2
12.5°	2686.4	2690.1	2693.8	2680.8	2662.2	2658.4	2669.2	2676.0	2670.6	2665.3	2670.6
15°	2680.2	2690.3	2700.4	2682.0	2654.1	2641.0	2642.8	2642.2	2634.5	2626.8	2634.5
17.5°	2650.3	2664.6	2678.8	2654.5	2617.3	2595.5	2588.9	2581.3	2570.4	2559.5	2570.4
20°	2610.8	2627.4	2644.0	2617.4	2576.5	2550.3	2539.1	2528.2	2518.7	2509.2	2518.7
22.5°	2555.2	2570.4	2585.6	2560.1	2521.0	2494.4	2480.3	2467.8	2460.2	2452.6	2460.2
25°	2455.8	2465.9	2476.0	2450.0	2412.0	2387.6	2376.9	2367.9	2363.7	2359.6	2363.7
27.5°	2314.9	2317.8	2320.6	2300.0	2271.5	2250.6	2237.3	2226.0	2220.6	2215.3	2220.6
30°	2205.9	2205.9	2205.9	2189.9	2168.5	2150.7	2136.4	2123.2	2113.1	2103.0	2113.1
32.5°	2078.7	2077.3	2075.9	2064.1	2048.9	2033.5	2017.8	2003.5	1993.4	1983.3	1993.4
35°	1851.9	1858.4	1864.9	1856.8	1843.7	1829.4	1814.0	1800.2	1791.3	1782.4	1791.3
37.5°	1606.3	1608.8	1611.3	1604.5	1594.6	1581.4	1564.8	1550.4	1542.9	1535.5	1542.9
40°	1420.3	1420.9	1421.5	1413.2	1401.9	1390.3	1378.4	1366.7	1355.4	1344.1	1355.4
42.5°	1203.3	1215.3	1227.3	1222.2	1211.4	1196.5	1177.5	1162.1	1157.4	1152.8	1157.4
45°	781.6	834.5	887.3	906.8	915.1	908.6	887.2	855.9	794.7	733.5	794.7
47.5°	392.8	458.6	524.4	570.0	608.8	597.8	536.8	475.0	410.2	345.5	410.2
50°	221.8	261.0	300.2	361.2	429.5	418.2	327.3	253.7	231.7	209.8	231.7
52.5°	148.0	165.4	182.7	231.9	291.6	287.7	220.1	166.3	153.8	141.4	153.8
55°	74.8	79.6	84.3	106.0	133.3	132.7	104.2	81.9	78.4	74.8	78.4
57.5°	25.4	31.8	38.2	47.8	58.5	58.8	48.7	39.7	33.9	28.1	33.9
60°	4.0	9.9	15.9	23.6	31.9	31.0	20.9	12.0	6.7	1.3	6.7
62.5°	0.8	2.5	4.1	10.4	18.3	18.1	9.9	3.4	1.8	0.3	1.8
65°	0.0	0.0	0.0	0.4	1.0	1.0	0.4	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



TEST NUMBER: P1427526

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

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



TEST NUMBER: P1427526

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9
2.5°	2677.8	2670.2	2659.2	2658.5	2668.0	2676.0	2679.3	2682.6	2679.3	2676.0	2668.0
5°	2688.0	2676.2	2660.2	2657.2	2667.3	2675.6	2678.6	2681.6	2678.6	2675.6	2667.3
7.5°	2688.3	2679.2	2666.0	2663.0	2670.1	2675.9	2678.0	2680.0	2678.0	2675.9	2670.1
10°	2686.2	2676.7	2663.0	2662.1	2674.0	2683.1	2683.7	2684.2	2683.7	2683.1	2674.0
12.5°	2676.0	2669.2	2658.4	2662.2	2680.8	2693.8	2690.1	2686.4	2690.1	2693.8	2680.8
15°	2642.2	2642.8	2641.0	2654.1	2682.0	2700.4	2690.3	2680.2	2690.3	2700.4	2682.0
17.5°	2581.3	2588.9	2595.5	2617.3	2654.5	2678.8	2664.6	2650.3	2664.6	2678.8	2654.5
20°	2528.2	2539.1	2550.3	2576.5	2617.4	2644.0	2627.4	2610.8	2627.4	2644.0	2617.4
22.5°	2467.8	2480.3	2494.4	2521.0	2560.1	2585.6	2570.4	2555.2	2570.4	2585.6	2560.1
25°	2367.9	2376.9	2387.6	2412.0	2450.0	2476.0	2465.9	2455.8	2465.9	2476.0	2450.0
27.5°	2226.0	2237.3	2250.6	2271.5	2300.0	2320.6	2317.8	2314.9	2317.8	2320.6	2300.0
30°	2123.2	2136.4	2150.7	2168.5	2189.9	2205.9	2205.9	2205.9	2205.9	2205.9	2189.9
32.5°	2003.5	2017.8	2033.5	2048.9	2064.1	2075.9	2077.3	2078.7	2077.3	2075.9	2064.1
35°	1800.2	1814.0	1829.4	1843.7	1856.8	1864.9	1858.4	1851.9	1858.4	1864.9	1856.8
37.5°	1550.4	1564.8	1581.4	1594.6	1604.5	1611.3	1608.8	1606.3	1608.8	1611.3	1604.5
40°	1366.7	1378.4	1390.3	1401.9	1413.2	1421.5	1420.9	1420.3	1420.9	1421.5	1413.2
42.5°	1162.1	1177.5	1196.5	1211.4	1222.2	1227.3	1215.3	1203.3	1215.3	1227.3	1222.2
45°	855.9	887.2	908.6	915.1	906.8	887.3	834.5	781.6	834.5	887.3	906.8
47.5°	475.0	536.8	597.8	608.8	570.0	524.4	458.6	392.8	458.6	524.4	570.0
50°	253.7	327.3	418.2	429.5	361.2	300.2	261.0	221.8	261.0	300.2	361.2
52.5°	166.3	220.1	287.7	291.6	231.9	182.7	165.4	148.0	165.4	182.7	231.9
55°	81.9	104.2	132.7	133.3	106.0	84.3	79.6	74.8	79.6	84.3	106.0
57.5°	39.7	48.7	58.8	58.5	47.8	38.2	31.8	25.4	31.8	38.2	47.8
60°	12.0	20.9	31.0	31.9	23.6	15.9	9.9	4.0	9.9	15.9	23.6
62.5°	3.4	9.9	18.1	18.3	10.4	4.1	2.5	0.8	2.5	4.1	10.4
65°	0.0	0.4	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4
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: P1427526

CATALOG NUMBER: SQ2W-BBM-K-075U-100D-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: P1427526

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9	2670.9
2.5°	2658.5	2659.2	2670.2	2677.8	2675.4	2673.0	2675.4	2677.8	2670.2	2659.2	2658.5
5°	2657.2	2660.2	2676.2	2688.0	2686.8	2685.6	2686.8	2688.0	2676.2	2660.2	2657.2
7.5°	2663.0	2666.0	2679.2	2688.3	2685.3	2682.4	2685.3	2688.3	2679.2	2666.0	2663.0
10°	2662.1	2663.0	2676.7	2686.2	2683.2	2680.2	2683.2	2686.2	2676.7	2663.0	2662.1
12.5°	2662.2	2658.4	2669.2	2676.0	2670.6	2665.3	2670.6	2676.0	2669.2	2658.4	2662.2
15°	2654.1	2641.0	2642.8	2642.2	2634.5	2626.8	2634.5	2642.2	2642.8	2641.0	2654.1
17.5°	2617.3	2595.5	2588.9	2581.3	2570.4	2559.5	2570.4	2581.3	2588.9	2595.5	2617.3
20°	2576.5	2550.3	2539.1	2528.2	2518.7	2509.2	2518.7	2528.2	2539.1	2550.3	2576.5
22.5°	2521.0	2494.4	2480.3	2467.8	2460.2	2452.6	2460.2	2467.8	2480.3	2494.4	2521.0
25°	2412.0	2387.6	2376.9	2367.9	2363.7	2359.6	2363.7	2367.9	2376.9	2387.6	2412.0
27.5°	2271.5	2250.6	2237.3	2226.0	2220.6	2215.3	2220.6	2226.0	2237.3	2250.6	2271.5
30°	2168.5	2150.7	2136.4	2123.2	2113.1	2103.0	2113.1	2123.2	2136.4	2150.7	2168.5
32.5°	2048.9	2033.5	2017.8	2003.5	1993.4	1983.3	1993.4	2003.5	2017.8	2033.5	2048.9
35°	1843.7	1829.4	1814.0	1800.2	1791.3	1782.4	1791.3	1800.2	1814.0	1829.4	1843.7
37.5°	1594.6	1581.4	1564.8	1550.4	1542.9	1535.5	1542.9	1550.4	1564.8	1581.4	1594.6
40°	1401.9	1390.3	1378.4	1366.7	1355.4	1344.1	1355.4	1366.7	1378.4	1390.3	1401.9
42.5°	1211.4	1196.5	1177.5	1162.1	1157.4	1152.8	1157.4	1162.1	1177.5	1196.5	1211.4
45°	915.1	908.6	887.2	855.9	794.7	733.5	794.7	855.9	887.2	908.6	915.1
47.5°	608.8	597.8	536.8	475.0	410.2	345.5	410.2	475.0	536.8	597.8	608.8
50°	429.5	418.2	327.3	253.7	231.7	209.8	231.7	253.7	327.3	418.2	429.5
52.5°	291.6	287.7	220.1	166.3	153.8	141.4	153.8	166.3	220.1	287.7	291.6
55°	133.3	132.7	104.2	81.9	78.4	74.8	78.4	81.9	104.2	132.7	133.3
57.5°	58.5	58.8	48.7	39.7	33.9	28.1	33.9	39.7	48.7	58.8	58.5
60°	31.9	31.0	20.9	12.0	6.7	1.3	6.7	12.0	20.9	31.0	31.9
62.5°	18.3	18.1	9.9	3.4	1.8	0.3	1.8	3.4	9.9	18.1	18.3
65°	1.0	1.0	0.4	0.0	0.0	0.0	0.0	0.4	1.0	1.0	1.0
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°	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: P1427526

CATALOG NUMBER: SQ2W-BBM-K-075U-100D-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: P1427526

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2670.9	2670.9	2670.9	2670.9
2.5°	2668.0	2676.0	2679.3	2682.6
5°	2667.3	2675.6	2678.6	2681.6
7.5°	2670.1	2675.9	2678.0	2680.0
10°	2674.0	2683.1	2683.7	2684.2
12.5°	2680.8	2693.8	2690.1	2686.4
15°	2682.0	2700.4	2690.3	2680.2
17.5°	2654.5	2678.8	2664.6	2650.3
20°	2617.4	2644.0	2627.4	2610.8
22.5°	2560.1	2585.6	2570.4	2555.2
25°	2450.0	2476.0	2465.9	2455.8
27.5°	2300.0	2320.6	2317.8	2314.9
30°	2189.9	2205.9	2205.9	2205.9
32.5°	2064.1	2075.9	2077.3	2078.7
35°	1856.8	1864.9	1858.4	1851.9
37.5°	1604.5	1611.3	1608.8	1606.3
40°	1413.2	1421.5	1420.9	1420.3
42.5°	1222.2	1227.3	1215.3	1203.3
45°	906.8	887.3	834.5	781.6
47.5°	570.0	524.4	458.6	392.8
50°	361.2	300.2	261.0	221.8
52.5°	231.9	182.7	165.4	148.0
55°	106.0	84.3	79.6	74.8
57.5°	47.8	38.2	31.8	25.4
60°	23.6	15.9	9.9	4.0
62.5°	10.4	4.1	2.5	0.8
65°	0.4	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: P1427526

CATALOG NUMBER: SQ2W-BBM-K-075U-100D-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: P1427526
 CATALOG NUMBER: SQ2W-BBM-K-075U-100D-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	0.19	0.37	1.10	2.27	0.00	0.42	0.60	1.33	2.50
	3H	0.00	0.00	0.19	0.83	2.03	0.00	0.14	0.42	1.06	2.25
	4H	0.00	0.00	0.10	0.69	1.90	0.00	0.00	0.32	0.92	2.12
	6H	0.00	0.00	0.00	0.54	1.75	0.00	0.00	0.22	0.77	1.98
	8H	0.00	0.00	0.00	0.46	1.67	0.00	0.00	0.17	0.69	1.90
	12H	0.00	0.00	0.00	0.37	1.60	0.00	0.00	0.11	0.60	1.83
4H	2H	0.00	0.00	0.11	0.70	1.91	0.00	0.00	0.34	0.93	2.13
	3H	0.00	0.00	0.00	0.42	1.64	0.00	0.00	0.15	0.65	1.86
	4H	0.00	0.00	0.00	0.26	1.50	0.00	0.00	0.04	0.49	1.73
	6H	0.00	0.00	0.00	0.10	1.35	0.00	0.00	0.00	0.33	1.57
	8H	0.00	0.00	0.00	0.01	1.26	0.00	0.00	0.00	0.23	1.48
	12H	0.00	0.00	0.00	0.00	1.17	0.00	0.00	0.00	0.14	1.40
8H	4H	0.00	0.00	0.00	0.01	1.26	0.00	0.00	0.00	0.23	1.48
	6H	0.00	0.00	0.00	0.00	1.11	0.00	0.00	0.00	0.09	1.34
	8H	0.00	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00	1.25
	12H	0.00	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00	1.19
12H	4H	0.00	0.00	0.00	0.00	1.17	0.00	0.00	0.00	0.14	1.40
	6H	0.00	0.00	0.00	0.00	1.02	0.00	0.00	0.00	0.00	1.25
	8H	0.00	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.00	1.19