

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: P1427525

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427525
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-L930-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: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

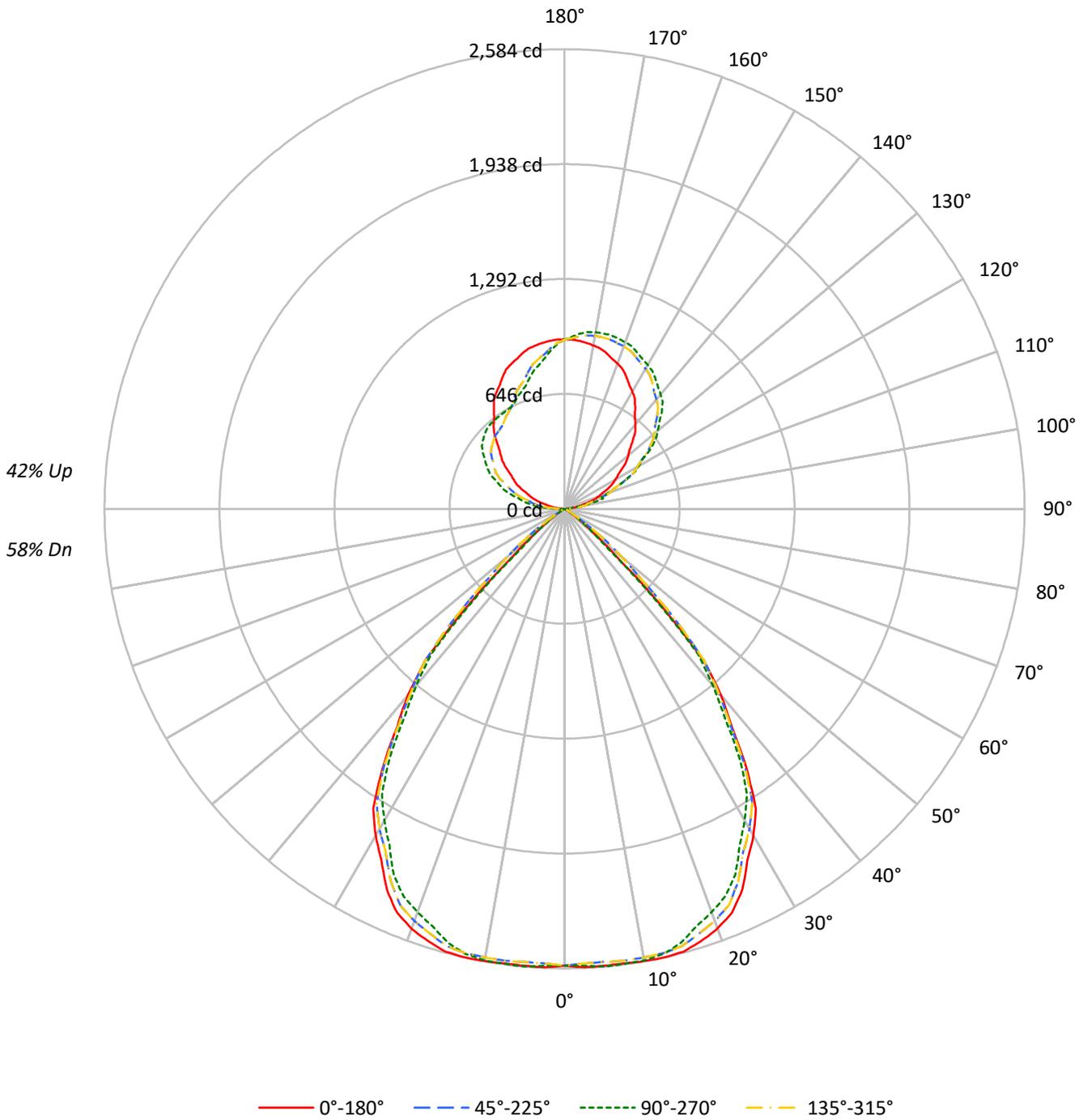
Lumens per Lamp: N/A
Luminaire Lumens: 6621.0 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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: P1427525

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

Luminous Intensity Polar Plot





TEST NUMBER: P1427525

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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	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°	41476	41476	41476	41476
5°	41800	41863	41800	41863
10°	42326	42262	42326	42262
15°	43088	42229	43088	42229
20°	43143	41466	43143	41466
25°	42078	40429	42078	40429
30°	39554	37710	39554	37710
35°	35106	33789	35106	33789
40°	28791	27248	28791	27248
45°	17166	16109	17166	16109
50°	5358	5069	5358	5069
55°	2027	2027	2027	2027
60°	126	42	126	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: 20096 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.6	3.7
10°-20°	719.5	10.9
20°-30°	1058.5	16.0
30°-40°	1081.9	16.3
40°-50°	623.2	9.4
50°-60°	107.3	1.6
60°-70°	3.9	0.1
70°-80°	0.0	0.0
80°-90°	5.0	0.1
90°-100°	75.7	1.1
100°-110°	220.8	3.3
110°-120°	360.3	5.4
120°-130°	457.2	6.9
130°-140°	489.2	7.4
140°-150°	456.8	6.9
150°-160°	375.9	5.7
160°-170°	252.1	3.8
170°-180°	89.5	1.4
0°-30°	2023.6	30.6
0°-40°	3105.5	46.9
0°-60°	3835.9	57.9
0°-90°	3844.8	58.1
90°-120°	656.7	9.9
90°-150°	2059.9	31.1
90°-180°	2777.0	41.9
0°-180°	6621.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2569	2569	2569	2569	2569	
5°	2579	2583	2579	2583	2579	246
15°	2578	2526	2578	2526	2578	726
25°	2362	2269	2362	2269	2362	1078
35°	1781	1714	1781	1714	1781	1100
45°	752	706	752	706	752	582
55°	72	72	72	72	72	76
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	3	21	3	41	3	2
95°	30	22	30	130	30	36
105°	140	225	140	309	140	149
115°	269	373	269	459	269	265
125°	398	591	398	563	398	356
135°	541	773	541	624	541	418
145°	691	892	691	637	691	432
155°	820	968	820	661	820	377
165°	907	1010	907	761	907	255
175°	948	989	948	893	948	90
180°	951	951	951	951	951	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9
2.5°	2580.2	2577.0	2573.8	2566.1	2557.0	2557.7	2568.2	2575.5	2573.2	2570.9	2573.2
5°	2579.1	2576.3	2573.4	2565.4	2555.7	2558.6	2574.0	2585.3	2584.1	2583.0	2584.1
7.5°	2577.6	2575.7	2573.7	2568.1	2561.2	2564.1	2576.8	2585.6	2582.8	2579.9	2582.8
10°	2581.7	2581.1	2580.6	2571.9	2560.4	2561.3	2574.4	2583.6	2580.7	2577.8	2580.7
12.5°	2583.8	2587.3	2590.8	2578.4	2560.5	2556.8	2567.2	2573.7	2568.6	2563.5	2568.6
15°	2577.8	2587.6	2597.3	2579.6	2552.7	2540.2	2541.9	2541.3	2533.9	2526.4	2533.9
17.5°	2549.1	2562.8	2576.5	2553.1	2517.3	2496.3	2490.0	2482.7	2472.2	2461.7	2472.2
20°	2511.0	2527.0	2543.0	2517.5	2478.0	2452.9	2442.1	2431.6	2422.5	2413.4	2422.5
22.5°	2457.6	2472.2	2486.8	2462.3	2424.7	2399.1	2385.5	2373.5	2366.2	2358.9	2366.2
25°	2362.0	2371.7	2381.4	2356.4	2319.8	2296.4	2286.1	2277.4	2273.4	2269.4	2273.4
27.5°	2226.5	2229.3	2232.0	2212.1	2184.7	2164.6	2151.8	2140.9	2135.8	2130.6	2135.8
30°	2121.6	2121.6	2121.6	2106.2	2085.7	2068.5	2054.8	2042.1	2032.4	2022.7	2032.4
32.5°	1999.3	1997.9	1996.6	1985.3	1970.6	1955.8	1940.7	1927.0	1917.3	1907.6	1917.3
35°	1781.1	1787.4	1793.7	1785.8	1773.3	1759.5	1744.7	1731.4	1722.8	1714.3	1722.8
37.5°	1544.9	1547.3	1549.7	1543.2	1533.7	1521.0	1505.0	1491.2	1484.0	1476.8	1484.0
40°	1366.0	1366.6	1367.2	1359.2	1348.3	1337.2	1325.8	1314.5	1303.6	1292.8	1303.6
42.5°	1157.3	1168.9	1180.4	1175.5	1165.1	1150.8	1132.5	1117.7	1113.2	1108.8	1113.2
45°	751.8	802.6	853.4	872.1	880.1	873.8	853.3	823.2	764.3	705.5	764.3
47.5°	377.8	441.1	504.4	548.2	585.6	574.9	516.3	456.8	394.6	332.3	394.6
50°	213.3	251.0	288.7	347.4	413.1	402.2	314.8	244.0	222.9	201.8	222.9
52.5°	142.4	159.1	175.7	223.0	280.5	276.7	211.7	159.9	148.0	136.0	148.0
55°	72.0	76.5	81.1	101.9	128.2	127.7	100.2	78.8	75.4	72.0	75.4
57.5°	24.4	30.6	36.8	46.0	56.3	56.6	46.9	38.2	32.6	27.0	32.6
60°	3.9	9.6	15.3	22.7	30.7	29.8	20.1	11.6	6.4	1.3	6.4
62.5°	0.8	2.4	4.0	10.0	17.6	17.4	9.5	3.2	1.7	0.3	1.7
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	1.3	2.3	3.1	3.7	3.8	3.8	4.0	4.2	4.2	4.2
90°	2.9	6.7	11.5	15.4	18.3	19.2	19.2	20.2	21.1	21.1	21.1
92.5°	10.6	16.7	16.9	16.9	20.6	22.3	23.8	24.0	25.0	25.0	25.0
95°	29.8	32.7	49.0	48.0	32.7	25.9	22.1	22.1	22.1	22.1	22.1
97.5°	56.9	61.1	63.8	85.5	90.3	87.2	71.1	59.8	53.4	50.5	53.4
100°	80.7	82.6	88.4	89.4	113.4	136.4	124.9	110.5	105.7	102.8	105.7
102.5°	104.5	105.7	114.5	118.6	124.1	137.2	177.2	172.8	169.5	168.9	169.5
105°	140.3	141.2	157.6	165.3	169.1	169.1	168.1	187.4	218.1	224.8	218.1
107.5°	178.5	182.9	202.2	222.7	227.1	228.3	223.3	220.4	219.3	220.0	219.3
110°	204.7	211.4	234.4	260.4	267.1	269.0	267.1	264.2	262.3	262.3	262.3



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

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	230.0	239.8	266.0	295.7	307.1	312.8	308.6	306.5	304.6	306.1	304.6
115°	269.0	283.4	318.0	348.8	371.8	374.7	373.8	373.8	372.8	372.8	372.8
117.5°	305.2	328.2	367.0	402.8	429.5	437.2	441.0	439.9	438.7	440.6	438.7
120°	330.5	357.4	401.6	442.0	467.9	479.4	483.3	481.4	483.3	481.4	483.3
122.5°	357.4	390.5	433.9	475.8	506.3	519.4	524.0	524.4	524.8	523.6	524.8
125°	397.8	438.1	489.1	532.3	564.0	579.4	583.2	584.2	586.1	590.9	586.1
127.5°	438.5	484.2	540.2	581.9	614.3	633.0	638.9	641.0	645.1	647.2	645.1
130°	467.0	518.8	575.5	614.9	646.6	666.8	677.4	680.3	685.1	684.1	685.1
132.5°	496.9	551.1	608.6	649.5	678.9	700.6	709.7	717.9	719.6	721.0	719.6
135°	540.9	599.5	657.2	697.5	725.4	746.5	758.1	765.8	770.6	773.4	770.6
137.5°	587.2	649.1	704.5	740.4	768.5	786.7	799.8	807.8	812.8	815.1	812.8
140°	618.8	678.3	732.1	769.6	794.6	812.8	824.4	834.0	839.7	839.7	839.7
142.5°	648.7	707.5	759.8	797.3	819.2	835.9	848.2	855.5	862.0	862.0	862.0
145°	690.8	749.4	797.5	834.9	853.2	868.6	882.0	887.8	891.6	891.6	891.6
147.5°	734.8	786.7	830.5	866.5	881.8	899.9	910.5	915.1	919.9	917.8	919.9
150°	761.0	809.0	851.3	884.9	900.3	917.6	928.1	932.0	936.8	933.9	936.8
152.5°	786.3	832.1	870.5	901.8	914.9	932.2	944.3	948.1	951.4	949.3	951.4
155°	820.5	860.9	896.4	925.3	936.8	953.1	964.6	969.5	973.3	968.5	973.3
157.5°	851.1	885.9	916.8	943.3	955.6	969.6	980.4	986.4	990.2	988.1	990.2
160°	869.5	901.2	929.1	954.1	965.6	978.1	989.6	996.4	1000.2	997.3	1000.2
162.5°	884.9	913.5	939.9	962.5	972.5	983.5	997.3	1003.3	1007.1	1003.5	1007.1
165°	907.0	930.1	953.1	972.3	981.0	989.6	1004.0	1010.8	1013.7	1009.8	1013.7
167.5°	923.7	941.4	960.0	976.6	982.9	991.4	1005.8	1011.3	1015.0	1010.2	1015.0
170°	932.9	948.3	964.6	978.1	982.9	990.6	1005.0	1009.8	1012.7	1007.9	1012.7
172.5°	940.6	952.2	965.4	977.3	979.8	986.0	999.6	1004.4	1006.5	1002.5	1006.5
175°	948.3	955.0	964.6	972.3	971.4	975.2	986.7	990.6	994.4	988.7	994.4
177.5°	952.0	955.0	958.1	962.7	959.7	959.7	968.1	970.4	971.2	968.1	971.2
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9
2.5°	2575.5	2568.2	2557.7	2557.0	2566.1	2573.8	2577.0	2580.2	2577.0	2573.8	2566.1
5°	2585.3	2574.0	2558.6	2555.7	2565.4	2573.4	2576.3	2579.1	2576.3	2573.4	2565.4
7.5°	2585.6	2576.8	2564.1	2561.2	2568.1	2573.7	2575.7	2577.6	2575.7	2573.7	2568.1
10°	2583.6	2574.4	2561.3	2560.4	2571.9	2580.6	2581.1	2581.7	2581.1	2580.6	2571.9
12.5°	2573.7	2567.2	2556.8	2560.5	2578.4	2590.8	2587.3	2583.8	2587.3	2590.8	2578.4
15°	2541.3	2541.9	2540.2	2552.7	2579.6	2597.3	2587.6	2577.8	2587.6	2597.3	2579.6
17.5°	2482.7	2490.0	2496.3	2517.3	2553.1	2576.5	2562.8	2549.1	2562.8	2576.5	2553.1
20°	2431.6	2442.1	2452.9	2478.0	2517.5	2543.0	2527.0	2511.0	2527.0	2543.0	2517.5
22.5°	2373.5	2385.5	2399.1	2424.7	2462.3	2486.8	2472.2	2457.6	2472.2	2486.8	2462.3
25°	2277.4	2286.1	2296.4	2319.8	2356.4	2381.4	2371.7	2362.0	2371.7	2381.4	2356.4
27.5°	2140.9	2151.8	2164.6	2184.7	2212.1	2232.0	2229.3	2226.5	2229.3	2232.0	2212.1
30°	2042.1	2054.8	2068.5	2085.7	2106.2	2121.6	2121.6	2121.6	2121.6	2121.6	2106.2
32.5°	1927.0	1940.7	1955.8	1970.6	1985.3	1996.6	1997.9	1999.3	1997.9	1996.6	1985.3
35°	1731.4	1744.7	1759.5	1773.3	1785.8	1793.7	1787.4	1781.1	1787.4	1793.7	1785.8
37.5°	1491.2	1505.0	1521.0	1533.7	1543.2	1549.7	1547.3	1544.9	1547.3	1549.7	1543.2
40°	1314.5	1325.8	1337.2	1348.3	1359.2	1367.2	1366.6	1366.0	1366.6	1367.2	1359.2
42.5°	1117.7	1132.5	1150.8	1165.1	1175.5	1180.4	1168.9	1157.3	1168.9	1180.4	1175.5
45°	823.2	853.3	873.8	880.1	872.1	853.4	802.6	751.8	802.6	853.4	872.1
47.5°	456.8	516.3	574.9	585.6	548.2	504.4	441.1	377.8	441.1	504.4	548.2
50°	244.0	314.8	402.2	413.1	347.4	288.7	251.0	213.3	251.0	288.7	347.4
52.5°	159.9	211.7	276.7	280.5	223.0	175.7	159.1	142.4	159.1	175.7	223.0
55°	78.8	100.2	127.7	128.2	101.9	81.1	76.5	72.0	76.5	81.1	101.9
57.5°	38.2	46.9	56.6	56.3	46.0	36.8	30.6	24.4	30.6	36.8	46.0
60°	11.6	20.1	29.8	30.7	22.7	15.3	9.6	3.9	9.6	15.3	22.7
62.5°	3.2	9.5	17.4	17.6	10.0	4.0	2.4	0.8	2.4	4.0	10.0
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°	4.0	3.8	3.8	3.7	3.1	2.3	1.3	0.6	1.3	2.1	3.5
90°	20.2	19.2	19.2	18.3	15.4	11.5	6.7	2.9	6.7	10.6	17.3
92.5°	24.0	23.8	22.3	20.6	16.9	16.9	16.7	10.6	18.3	25.9	37.3
95°	22.1	22.1	25.9	32.7	48.0	49.0	32.7	29.8	42.3	59.6	74.9
97.5°	59.8	71.1	87.2	90.3	85.5	63.8	61.1	56.9	77.4	94.5	119.3
100°	110.5	124.9	136.4	113.4	89.4	88.4	82.6	80.7	102.8	119.1	143.2
102.5°	172.8	177.2	137.2	124.1	118.6	114.5	105.7	104.5	126.6	149.1	169.3
105°	187.4	168.1	169.1	169.1	165.3	157.6	141.2	140.3	165.3	191.2	216.2
107.5°	220.4	223.3	228.3	227.1	222.7	202.2	182.9	178.5	201.0	232.1	259.6
110°	264.2	267.1	269.0	267.1	260.4	234.4	211.4	204.7	224.8	257.5	287.3



TEST NUMBER: P1427525

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

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	306.5	308.6	312.8	307.1	295.7	266.0	239.8	230.0	250.2	283.6	314.2
115°	373.8	373.8	374.7	371.8	348.8	318.0	283.4	269.0	286.3	317.1	350.7
117.5°	439.9	441.0	437.2	429.5	402.8	367.0	328.2	305.2	318.8	351.3	385.9
120°	481.4	483.3	479.4	467.9	442.0	401.6	357.4	330.5	341.1	372.8	407.4
122.5°	524.4	524.0	519.4	506.3	475.8	433.9	390.5	357.4	361.8	391.2	425.1
125°	584.2	583.2	579.4	564.0	532.3	489.1	438.1	397.8	392.0	417.0	451.6
127.5°	641.0	638.9	633.0	614.3	581.9	540.2	484.2	438.5	425.6	441.4	473.1
130°	680.3	677.4	666.8	646.6	614.9	575.5	518.8	467.0	448.7	458.3	486.2
132.5°	717.9	709.7	700.6	678.9	649.5	608.6	551.1	496.9	471.8	476.0	497.7
135°	765.8	758.1	746.5	725.4	697.5	657.2	599.5	540.9	506.3	502.5	515.0
137.5°	807.8	799.8	786.7	768.5	740.4	704.5	649.1	587.2	543.6	530.7	535.6
140°	834.0	824.4	812.8	794.6	769.6	732.1	678.3	618.8	569.8	551.5	548.6
142.5°	855.5	848.2	835.9	819.2	797.3	759.8	707.5	648.7	596.7	573.0	566.3
145°	887.8	882.0	868.6	853.2	834.9	797.5	749.4	690.8	638.9	608.2	593.8
147.5°	915.1	910.5	899.9	881.8	866.5	830.5	786.7	734.8	681.6	643.5	624.9
150°	932.0	928.1	917.6	900.3	884.9	851.3	809.0	761.0	710.0	669.7	645.7
152.5°	948.1	944.3	932.2	914.9	901.8	870.5	832.1	786.3	734.6	694.3	669.5
155°	969.5	964.6	953.1	936.8	925.3	896.4	860.9	820.5	776.3	734.1	706.2
157.5°	986.4	980.4	969.6	955.6	943.3	916.8	885.9	851.1	812.5	772.1	743.7
160°	996.4	989.6	978.1	965.6	954.1	929.1	901.2	869.5	834.0	797.5	766.7
162.5°	1003.3	997.3	983.5	972.5	962.5	939.9	913.5	884.9	853.2	821.3	792.9
165°	1010.8	1004.0	989.6	981.0	972.3	953.1	930.1	907.0	880.1	854.2	831.1
167.5°	1011.3	1005.8	991.4	982.9	976.6	960.0	941.4	923.7	902.8	882.4	863.2
170°	1009.8	1005.0	990.6	982.9	978.1	964.6	948.3	932.9	916.6	899.3	883.9
172.5°	1004.4	999.6	986.0	979.8	977.3	965.4	952.2	940.6	926.6	913.9	901.6
175°	990.6	986.7	975.2	971.4	972.3	964.6	955.0	948.3	939.7	932.0	925.3
177.5°	970.4	968.1	959.7	959.7	962.7	958.1	955.0	952.0	948.1	945.8	943.5
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



TEST NUMBER: P1427525

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9	2568.9
2.5°	2557.0	2557.7	2568.2	2575.5	2573.2	2570.9	2573.2	2575.5	2568.2	2557.7	2557.0
5°	2555.7	2558.6	2574.0	2585.3	2584.1	2583.0	2584.1	2585.3	2574.0	2558.6	2555.7
7.5°	2561.2	2564.1	2576.8	2585.6	2582.8	2579.9	2582.8	2585.6	2576.8	2564.1	2561.2
10°	2560.4	2561.3	2574.4	2583.6	2580.7	2577.8	2580.7	2583.6	2574.4	2561.3	2560.4
12.5°	2560.5	2556.8	2567.2	2573.7	2568.6	2563.5	2568.6	2573.7	2567.2	2556.8	2560.5
15°	2552.7	2540.2	2541.9	2541.3	2533.9	2526.4	2533.9	2541.3	2541.9	2540.2	2552.7
17.5°	2517.3	2496.3	2490.0	2482.7	2472.2	2461.7	2472.2	2482.7	2490.0	2496.3	2517.3
20°	2478.0	2452.9	2442.1	2431.6	2422.5	2413.4	2422.5	2431.6	2442.1	2452.9	2478.0
22.5°	2424.7	2399.1	2385.5	2373.5	2366.2	2358.9	2366.2	2373.5	2385.5	2399.1	2424.7
25°	2319.8	2296.4	2286.1	2277.4	2273.4	2269.4	2273.4	2277.4	2286.1	2296.4	2319.8
27.5°	2184.7	2164.6	2151.8	2140.9	2135.8	2130.6	2135.8	2140.9	2151.8	2164.6	2184.7
30°	2085.7	2068.5	2054.8	2042.1	2032.4	2022.7	2032.4	2042.1	2054.8	2068.5	2085.7
32.5°	1970.6	1955.8	1940.7	1927.0	1917.3	1907.6	1917.3	1927.0	1940.7	1955.8	1970.6
35°	1773.3	1759.5	1744.7	1731.4	1722.8	1714.3	1722.8	1731.4	1744.7	1759.5	1773.3
37.5°	1533.7	1521.0	1505.0	1491.2	1484.0	1476.8	1484.0	1491.2	1505.0	1521.0	1533.7
40°	1348.3	1337.2	1325.8	1314.5	1303.6	1292.8	1303.6	1314.5	1325.8	1337.2	1348.3
42.5°	1165.1	1150.8	1132.5	1117.7	1113.2	1108.8	1113.2	1117.7	1132.5	1150.8	1165.1
45°	880.1	873.8	853.3	823.2	764.3	705.5	764.3	823.2	853.3	873.8	880.1
47.5°	585.6	574.9	516.3	456.8	394.6	332.3	394.6	456.8	516.3	574.9	585.6
50°	413.1	402.2	314.8	244.0	222.9	201.8	222.9	244.0	314.8	402.2	413.1
52.5°	280.5	276.7	211.7	159.9	148.0	136.0	148.0	159.9	211.7	276.7	280.5
55°	128.2	127.7	100.2	78.8	75.4	72.0	75.4	78.8	100.2	127.7	128.2
57.5°	56.3	56.6	46.9	38.2	32.6	27.0	32.6	38.2	46.9	56.6	56.3
60°	30.7	29.8	20.1	11.6	6.4	1.3	6.4	11.6	20.1	29.8	30.7
62.5°	17.6	17.4	9.5	3.2	1.7	0.3	1.7	3.2	9.5	17.4	17.6
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°	4.4	5.8	7.1	7.9	8.6	8.3	8.6	7.9	7.1	5.8	4.4
90°	22.1	28.8	35.5	39.4	43.2	41.3	43.2	39.4	35.5	28.8	22.1
92.5°	44.4	55.7	64.0	70.9	74.0	73.6	74.0	70.9	64.0	55.7	44.4
95°	89.4	102.8	116.3	125.9	131.6	129.7	131.6	125.9	116.3	102.8	89.4
97.5°	137.8	155.8	170.8	179.9	185.6	189.5	185.6	179.9	170.8	155.8	137.8
100°	170.1	187.4	204.7	215.2	224.8	228.7	224.8	215.2	204.7	187.4	170.1
102.5°	196.2	218.9	237.7	249.0	257.1	261.0	257.1	249.0	237.7	218.9	196.2
105°	239.2	263.3	283.4	297.8	306.5	309.4	306.5	297.8	283.4	263.3	239.2
107.5°	282.3	307.1	325.7	341.7	352.2	358.4	352.2	341.7	325.7	307.1	282.3
110°	316.1	336.3	356.5	370.9	381.4	385.3	381.4	370.9	356.5	336.3	316.1



TEST NUMBER: P1427525

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	344.5	367.0	387.2	401.6	413.7	419.1	413.7	401.6	387.2	367.0	344.5
115°	384.3	414.1	432.4	445.8	454.5	459.3	454.5	445.8	432.4	414.1	384.3
117.5°	417.4	448.5	468.5	478.9	482.9	486.4	482.9	478.9	468.5	448.5	417.4
120°	438.1	467.0	490.0	503.5	508.3	510.2	508.3	490.0	467.0	438.1	
122.5°	457.3	484.6	506.9	523.4	531.3	533.2	531.3	523.4	506.9	484.6	457.3
125°	484.2	510.2	533.2	549.6	558.2	563.0	558.2	549.6	533.2	510.2	484.2
127.5°	507.7	535.7	556.9	571.7	580.1	584.0	580.1	571.7	556.9	535.7	507.7
130°	520.8	549.6	570.7	587.1	594.7	598.6	594.7	587.1	570.7	549.6	520.8
132.5°	530.7	561.1	583.0	597.8	606.3	610.1	606.3	597.8	583.0	561.1	530.7
135°	542.9	574.6	597.6	612.0	619.7	623.6	619.7	612.0	597.6	574.6	542.9
137.5°	553.4	582.2	606.3	621.4	628.4	630.9	628.4	621.4	606.3	582.2	553.4
140°	561.1	586.1	610.1	624.5	632.2	633.2	632.2	624.5	610.1	586.1	561.1
142.5°	571.1	590.7	611.6	626.1	633.7	635.5	633.7	626.1	611.6	590.7	571.1
145°	589.0	600.5	614.9	628.4	635.1	637.0	635.1	628.4	614.9	600.5	589.0
147.5°	611.5	615.1	622.6	631.4	638.0	639.3	638.0	631.4	622.6	615.1	611.5
150°	628.4	627.4	630.3	636.1	641.8	640.9	641.8	636.1	630.3	627.4	628.4
152.5°	647.6	642.0	641.8	644.5	647.2	647.0	647.2	644.5	641.8	642.0	647.6
155°	680.3	669.7	663.9	662.0	662.0	661.0	662.0	662.0	663.9	669.7	680.3
157.5°	716.2	701.4	692.7	688.1	686.8	684.7	686.8	688.1	692.7	701.4	716.2
160°	740.8	724.4	715.8	708.1	705.2	702.3	705.2	708.1	715.8	724.4	740.8
162.5°	763.8	748.3	738.9	731.9	729.1	724.6	729.1	731.9	738.9	748.3	763.8
165°	801.3	785.0	774.4	768.6	764.8	761.0	764.8	768.6	774.4	785.0	801.3
167.5°	838.8	820.9	814.0	807.5	803.8	796.9	803.8	807.5	814.0	820.9	838.8
170°	861.8	845.5	841.7	835.9	829.2	821.5	829.2	835.9	841.7	845.5	861.8
172.5°	881.8	870.9	867.0	861.3	859.2	853.0	859.2	861.3	867.0	870.9	881.8
175°	910.8	902.2	902.2	901.2	898.4	892.6	898.4	901.2	902.2	902.2	910.8
177.5°	935.1	930.4	933.5	933.5	932.8	927.4	932.8	933.5	933.5	930.4	935.1
180°	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2	951.2



TEST NUMBER: P1427525

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2568.9	2568.9	2568.9	2568.9
2.5°	2566.1	2573.8	2577.0	2580.2
5°	2565.4	2573.4	2576.3	2579.1
7.5°	2568.1	2573.7	2575.7	2577.6
10°	2571.9	2580.6	2581.1	2581.7
12.5°	2578.4	2590.8	2587.3	2583.8
15°	2579.6	2597.3	2587.6	2577.8
17.5°	2553.1	2576.5	2562.8	2549.1
20°	2517.5	2543.0	2527.0	2511.0
22.5°	2462.3	2486.8	2472.2	2457.6
25°	2356.4	2381.4	2371.7	2362.0
27.5°	2212.1	2232.0	2229.3	2226.5
30°	2106.2	2121.6	2121.6	2121.6
32.5°	1985.3	1996.6	1997.9	1999.3
35°	1785.8	1793.7	1787.4	1781.1
37.5°	1543.2	1549.7	1547.3	1544.9
40°	1359.2	1367.2	1366.6	1366.0
42.5°	1175.5	1180.4	1168.9	1157.3
45°	872.1	853.4	802.6	751.8
47.5°	548.2	504.4	441.1	377.8
50°	347.4	288.7	251.0	213.3
52.5°	223.0	175.7	159.1	142.4
55°	101.9	81.1	76.5	72.0
57.5°	46.0	36.8	30.6	24.4
60°	22.7	15.3	9.6	3.9
62.5°	10.0	4.0	2.4	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°	3.5	2.1	1.3	0.6
90°	17.3	10.6	6.7	2.9
92.5°	37.3	25.9	18.3	10.6
95°	74.9	59.6	42.3	29.8
97.5°	119.3	94.5	77.4	56.9
100°	143.2	119.1	102.8	80.7
102.5°	169.3	149.1	126.6	104.5
105°	216.2	191.2	165.3	140.3
107.5°	259.6	232.1	201.0	178.5
110°	287.3	257.5	224.8	204.7



TEST NUMBER: P1427525

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	314.2	283.6	250.2	230.0
115°	350.7	317.1	286.3	269.0
117.5°	385.9	351.3	318.8	305.2
120°	407.4	372.8	341.1	330.5
122.5°	425.1	391.2	361.8	357.4
125°	451.6	417.0	392.0	397.8
127.5°	473.1	441.4	425.6	438.5
130°	486.2	458.3	448.7	467.0
132.5°	497.7	476.0	471.8	496.9
135°	515.0	502.5	506.3	540.9
137.5°	535.6	530.7	543.6	587.2
140°	548.6	551.5	569.8	618.8
142.5°	566.3	573.0	596.7	648.7
145°	593.8	608.2	638.9	690.8
147.5°	624.9	643.5	681.6	734.8
150°	645.7	669.7	710.0	761.0
152.5°	669.5	694.3	734.6	786.3
155°	706.2	734.1	776.3	820.5
157.5°	743.7	772.1	812.5	851.1
160°	766.7	797.5	834.0	869.5
162.5°	792.9	821.3	853.2	884.9
165°	831.1	854.2	880.1	907.0
167.5°	863.2	882.4	902.8	923.7
170°	883.9	899.3	916.6	932.9
172.5°	901.6	913.9	926.6	940.6
175°	925.3	932.0	939.7	948.3
177.5°	943.5	945.8	948.1	952.0
180°	951.2	951.2	951.2	951.2



TEST NUMBER: P1427525
 CATALOG NUMBER: SQ2W-BBM-K-075U-100D-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	0.06	0.24	0.98	2.14	0.00	0.28	0.46	1.20	2.36
	3H	0.00	0.00	0.06	0.71	1.90	0.00	0.01	0.28	0.93	2.12
	4H	0.00	0.00	0.00	0.57	1.77	0.00	0.00	0.19	0.79	1.99
	6H	0.00	0.00	0.00	0.42	1.63	0.00	0.00	0.09	0.64	1.85
	8H	0.00	0.00	0.00	0.34	1.55	0.00	0.00	0.04	0.56	1.77
	12H	0.00	0.00	0.00	0.25	1.48	0.00	0.00	0.00	0.47	1.70
4H	2H	0.00	0.00	0.00	0.58	1.78	0.00	0.00	0.21	0.80	2.00
	3H	0.00	0.00	0.00	0.30	1.51	0.00	0.00	0.01	0.52	1.73
	4H	0.00	0.00	0.00	0.13	1.37	0.00	0.00	0.00	0.35	1.59
	6H	0.00	0.00	0.00	0.00	1.22	0.00	0.00	0.00	0.20	1.44
	8H	0.00	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.10	1.35
	12H	0.00	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.01	1.26
8H	4H	0.00	0.00	0.00	0.00	1.13	0.00	0.00	0.00	0.10	1.35
	6H	0.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.00	1.21
	8H	0.00	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	1.12
	12H	0.00	0.00	0.00	0.00	0.84	0.00	0.00	0.00	0.00	1.06
12H	4H	0.00	0.00	0.00	0.00	1.04	0.00	0.00	0.00	0.01	1.26
	6H	0.00	0.00	0.00	0.00	0.90	0.00	0.00	0.00	0.00	1.12
	8H	0.00	0.00	0.00	0.00	0.84	0.00	0.00	0.00	0.00	1.06