

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: P1427528

Luminaire Tested: SQ2W-BBM-K-075U-125D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1427528  
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-125D-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 1250 LUMENS PER FOOT  
UPLIGHT 750 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

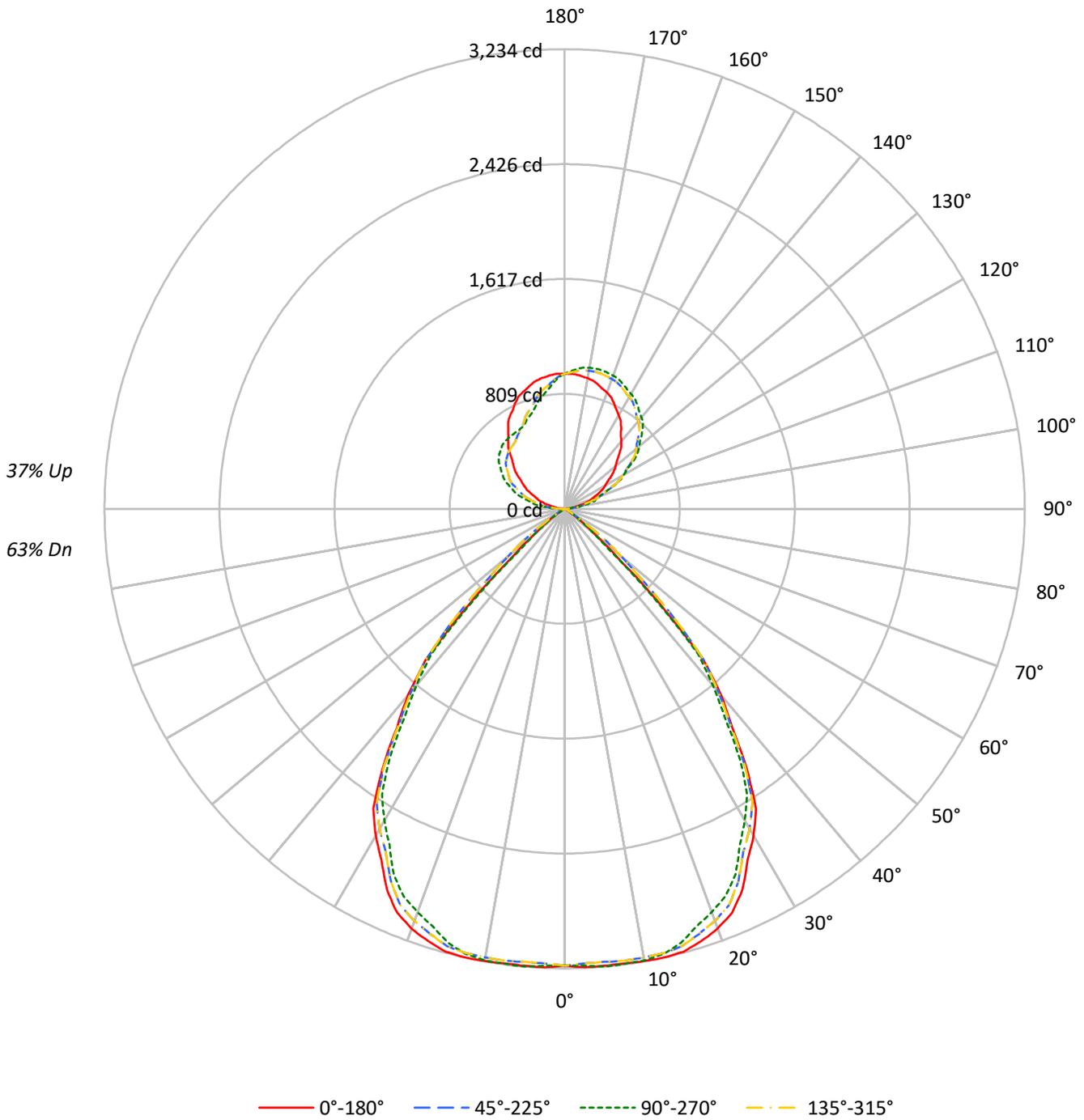
Lumens per Lamp: N/A  
Luminaire Lumens: 7586.9 lumens  
Efficiency: N/A  
Efficacy: 103.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

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

TEST NUMBER: P1427528

CATALOG NUMBER: SQ2W-BBM-K-075U-125D-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	0
RCR																		
0	110	110	110	110	104	104	104	104	91	91	91	79	79	79	68	68	68	63
1	103	100	97	94	97	94	91	89	83	81	80	73	72	71	64	63	63	58
2	96	90	85	81	91	85	81	78	76	73	70	68	65	63	60	58	57	53
3	90	82	76	71	84	78	72	68	70	66	62	62	59	57	56	54	52	48
4	83	74	68	63	79	71	65	60	64	59	56	58	54	51	52	49	47	44
5	78	68	61	56	73	65	59	54	59	54	50	53	49	46	48	45	43	40
6	73	62	55	50	69	59	53	48	54	49	45	49	45	42	45	41	39	37
7	68	57	50	45	64	55	48	44	50	45	41	46	41	38	41	38	36	34
8	64	53	46	41	60	50	44	40	46	41	37	42	38	35	39	35	33	31
9	60	49	42	37	56	47	40	36	43	38	34	39	35	32	36	33	30	28
10	56	45	38	34	53	43	37	33	40	35	31	37	33	30	34	30	28	26

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

	0°	90°	180°	270°
0°	51908	51908	51908	51908
5°	52315	52393	52315	52393
10°	52973	52894	52973	52894
15°	53928	52853	53928	52853
20°	53997	51896	53997	51896
25°	52662	50599	52662	50599
30°	49503	47195	49503	47195
35°	43936	42288	43936	42288
40°	36032	34102	36032	34102
45°	21484	20162	21484	20162
50°	6707	6342	6707	6342
55°	2536	2536	2536	2536
60°	155	52	155	52
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: 25151 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	307.4	4.1
10°-20°	900.5	11.9
20°-30°	1324.8	17.5
30°-40°	1354.0	17.8
40°-50°	780.0	10.3
50°-60°	134.2	1.8
60°-70°	4.8	0.1
70°-80°	0.0	0.0
80°-90°	5.0	0.1
90°-100°	75.7	1.0
100°-110°	220.8	2.9
110°-120°	360.3	4.7
120°-130°	457.2	6.0
130°-140°	489.2	6.4
140°-150°	456.8	6.0
150°-160°	375.9	5.0
160°-170°	252.1	3.3
170°-180°	89.5	1.2
0°-30°	2532.6	33.4
0°-40°	3886.6	51.2
0°-60°	4800.9	63.3
0°-90°	4810.7	63.4
90°-120°	656.7	8.7
90°-150°	2059.9	27.2
90°-180°	2777.0	36.6
0°-180°	7586.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3215	3215	3215	3215	3215	
5°	3228	3233	3228	3233	3228	308
15°	3226	3162	3226	3162	3226	908
25°	2956	2840	2956	2840	2956	1349
35°	2229	2146	2229	2146	2229	1377
45°	941	883	941	883	941	728
55°	90	90	90	90	90	95
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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CATALOG NUMBER: SQ2W-BBM-K-075U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0
2.5°	3229.2	3225.2	3221.2	3211.6	3200.2	3201.0	3214.2	3223.3	3220.5	3217.6	3220.5
5°	3227.9	3224.3	3220.8	3210.7	3198.6	3202.2	3221.5	3235.6	3234.2	3232.7	3234.2
7.5°	3226.0	3223.5	3221.1	3214.1	3205.5	3209.1	3225.0	3236.0	3232.4	3228.9	3232.4
10°	3231.1	3230.4	3229.7	3218.8	3204.5	3205.6	3222.0	3233.4	3229.9	3226.3	3229.9
12.5°	3233.7	3238.1	3242.6	3226.9	3204.6	3200.0	3213.0	3221.1	3214.7	3208.3	3214.7
15°	3226.3	3238.4	3250.6	3228.4	3194.8	3179.1	3181.3	3180.5	3171.3	3162.0	3171.3
17.5°	3190.3	3207.4	3224.6	3195.3	3150.6	3124.3	3116.4	3107.2	3094.1	3080.9	3094.1
20°	3142.7	3162.7	3182.7	3150.7	3101.4	3069.9	3056.3	3043.3	3031.9	3020.4	3031.9
22.5°	3075.8	3094.1	3112.4	3081.7	3034.6	3002.6	2985.6	2970.5	2961.4	2952.2	2961.4
25°	2956.1	2968.2	2980.4	2949.1	2903.4	2874.1	2861.2	2850.3	2845.3	2840.3	2845.3
27.5°	2786.6	2790.0	2793.4	2768.6	2734.3	2709.1	2693.1	2679.5	2673.0	2666.6	2673.0
30°	2655.3	2655.3	2655.3	2636.0	2610.3	2588.9	2571.7	2555.8	2543.7	2531.5	2543.7
32.5°	2502.2	2500.5	2498.8	2484.6	2466.3	2447.8	2428.9	2411.7	2399.5	2387.4	2399.5
35°	2229.1	2237.0	2244.9	2235.0	2219.3	2202.2	2183.6	2166.9	2156.2	2145.5	2156.2
37.5°	1933.5	1936.5	1939.5	1931.4	1919.5	1903.6	1883.6	1866.3	1857.3	1848.3	1857.3
40°	1709.6	1710.4	1711.1	1701.1	1687.5	1673.5	1659.3	1645.1	1631.6	1618.0	1631.6
42.5°	1448.5	1462.9	1477.3	1471.2	1458.2	1440.2	1417.4	1398.8	1393.2	1387.7	1393.2
45°	940.9	1004.5	1068.1	1091.5	1101.5	1093.7	1067.9	1030.2	956.6	883.0	956.6
47.5°	472.8	552.0	631.2	686.1	732.9	719.6	646.2	571.7	493.8	415.9	493.8
50°	267.0	314.2	361.3	434.8	517.0	503.4	394.0	305.4	279.0	252.5	279.0
52.5°	178.2	199.1	219.9	279.1	351.0	346.3	264.9	200.2	185.2	170.2	185.2
55°	90.1	95.8	101.5	127.6	160.5	159.8	125.4	98.6	94.4	90.1	94.4
57.5°	30.6	38.3	46.0	57.6	70.4	70.8	58.7	47.8	40.8	33.8	40.8
60°	4.8	12.0	19.1	28.4	38.4	37.3	25.2	14.5	8.0	1.6	8.0
62.5°	1.0	3.0	5.0	12.5	22.0	21.8	11.9	4.0	2.2	0.3	2.2
65°	0.0	0.0	0.0	0.5	1.3	1.3	0.5	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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**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°	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0
2.5°	3223.3	3214.2	3201.0	3200.2	3211.6	3221.2	3225.2	3229.2	3225.2	3221.2	3211.6
5°	3235.6	3221.5	3202.2	3198.6	3210.7	3220.8	3224.3	3227.9	3224.3	3220.8	3210.7
7.5°	3236.0	3225.0	3209.1	3205.5	3214.1	3221.1	3223.5	3226.0	3223.5	3221.1	3214.1
10°	3233.4	3222.0	3205.6	3204.5	3218.8	3229.7	3230.4	3231.1	3230.4	3229.7	3218.8
12.5°	3221.1	3213.0	3200.0	3204.6	3226.9	3242.6	3238.1	3233.7	3238.1	3242.6	3226.9
15°	3180.5	3181.3	3179.1	3194.8	3228.4	3250.6	3238.4	3226.3	3238.4	3250.6	3228.4
17.5°	3107.2	3116.4	3124.3	3150.6	3195.3	3224.6	3207.4	3190.3	3207.4	3224.6	3195.3
20°	3043.3	3056.3	3069.9	3101.4	3150.7	3182.7	3162.7	3142.7	3162.7	3182.7	3150.7
22.5°	2970.5	2985.6	3002.6	3034.6	3081.7	3112.4	3094.1	3075.8	3094.1	3112.4	3081.7
25°	2850.3	2861.2	2874.1	2903.4	2949.1	2980.4	2968.2	2956.1	2968.2	2980.4	2949.1
27.5°	2679.5	2693.1	2709.1	2734.3	2768.6	2793.4	2790.0	2786.6	2790.0	2793.4	2768.6
30°	2555.8	2571.7	2588.9	2610.3	2636.0	2655.3	2655.3	2655.3	2655.3	2655.3	2636.0
32.5°	2411.7	2428.9	2447.8	2466.3	2484.6	2498.8	2500.5	2502.2	2500.5	2498.8	2484.6
35°	2166.9	2183.6	2202.2	2219.3	2235.0	2244.9	2237.0	2229.1	2237.0	2244.9	2235.0
37.5°	1866.3	1883.6	1903.6	1919.5	1931.4	1939.5	1936.5	1933.5	1936.5	1939.5	1931.4
40°	1645.1	1659.3	1673.5	1687.5	1701.1	1711.1	1710.4	1709.6	1710.4	1711.1	1701.1
42.5°	1398.8	1417.4	1440.2	1458.2	1471.2	1477.3	1462.9	1448.5	1462.9	1477.3	1471.2
45°	1030.2	1067.9	1093.7	1101.5	1091.5	1068.1	1004.5	940.9	1004.5	1068.1	1091.5
47.5°	571.7	646.2	719.6	732.9	686.1	631.2	552.0	472.8	552.0	631.2	686.1
50°	305.4	394.0	503.4	517.0	434.8	361.3	314.2	267.0	314.2	361.3	434.8
52.5°	200.2	264.9	346.3	351.0	279.1	219.9	199.1	178.2	199.1	219.9	279.1
55°	98.6	125.4	159.8	160.5	127.6	101.5	95.8	90.1	95.8	101.5	127.6
57.5°	47.8	58.7	70.8	70.4	57.6	46.0	38.3	30.6	38.3	46.0	57.6
60°	14.5	25.2	37.3	38.4	28.4	19.1	12.0	4.8	12.0	19.1	28.4
62.5°	4.0	11.9	21.8	22.0	12.5	5.0	3.0	1.0	3.0	5.0	12.5
65°	0.0	0.5	1.3	1.3	0.5	0.0	0.0	0.0	0.0	0.0	0.5
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: P1427528

CATALOG NUMBER: SQ2W-BBM-K-075U-125D-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: P1427528

CATALOG NUMBER: SQ2W-BBM-K-075U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0	3215.0
2.5°	3200.2	3201.0	3214.2	3223.3	3220.5	3217.6	3220.5	3223.3	3214.2	3201.0	3200.2
5°	3198.6	3202.2	3221.5	3235.6	3234.2	3232.7	3234.2	3235.6	3221.5	3202.2	3198.6
7.5°	3205.5	3209.1	3225.0	3236.0	3232.4	3228.9	3232.4	3236.0	3225.0	3209.1	3205.5
10°	3204.5	3205.6	3222.0	3233.4	3229.9	3226.3	3229.9	3233.4	3222.0	3205.6	3204.5
12.5°	3204.6	3200.0	3213.0	3221.1	3214.7	3208.3	3214.7	3221.1	3213.0	3200.0	3204.6
15°	3194.8	3179.1	3181.3	3180.5	3171.3	3162.0	3171.3	3180.5	3181.3	3179.1	3194.8
17.5°	3150.6	3124.3	3116.4	3107.2	3094.1	3080.9	3094.1	3107.2	3116.4	3124.3	3150.6
20°	3101.4	3069.9	3056.3	3043.3	3031.9	3020.4	3031.9	3043.3	3056.3	3069.9	3101.4
22.5°	3034.6	3002.6	2985.6	2970.5	2961.4	2952.2	2961.4	2970.5	2985.6	3002.6	3034.6
25°	2903.4	2874.1	2861.2	2850.3	2845.3	2840.3	2845.3	2850.3	2861.2	2874.1	2903.4
27.5°	2734.3	2709.1	2693.1	2679.5	2673.0	2666.6	2673.0	2679.5	2693.1	2709.1	2734.3
30°	2610.3	2588.9	2571.7	2555.8	2543.7	2531.5	2543.7	2555.8	2571.7	2588.9	2610.3
32.5°	2466.3	2447.8	2428.9	2411.7	2399.5	2387.4	2399.5	2411.7	2428.9	2447.8	2466.3
35°	2219.3	2202.2	2183.6	2166.9	2156.2	2145.5	2156.2	2166.9	2183.6	2202.2	2219.3
37.5°	1919.5	1903.6	1883.6	1866.3	1857.3	1848.3	1857.3	1866.3	1883.6	1903.6	1919.5
40°	1687.5	1673.5	1659.3	1645.1	1631.6	1618.0	1631.6	1645.1	1659.3	1673.5	1687.5
42.5°	1458.2	1440.2	1417.4	1398.8	1393.2	1387.7	1393.2	1398.8	1417.4	1440.2	1458.2
45°	1101.5	1093.7	1067.9	1030.2	956.6	883.0	956.6	1030.2	1067.9	1093.7	1101.5
47.5°	732.9	719.6	646.2	571.7	493.8	415.9	493.8	571.7	646.2	719.6	732.9
50°	517.0	503.4	394.0	305.4	279.0	252.5	279.0	305.4	394.0	503.4	517.0
52.5°	351.0	346.3	264.9	200.2	185.2	170.2	185.2	200.2	264.9	346.3	351.0
55°	160.5	159.8	125.4	98.6	94.4	90.1	94.4	98.6	125.4	159.8	160.5
57.5°	70.4	70.8	58.7	47.8	40.8	33.8	40.8	47.8	58.7	70.8	70.4
60°	38.4	37.3	25.2	14.5	8.0	1.6	8.0	14.5	25.2	37.3	38.4
62.5°	22.0	21.8	11.9	4.0	2.2	0.3	2.2	4.0	11.9	21.8	22.0
65°	1.3	1.3	0.5	0.0	0.0	0.0	0.0	0.5	1.3	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	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: P1427528

CATALOG NUMBER: SQ2W-BBM-K-075U-125D-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	503.5	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: P1427528

CATALOG NUMBER: SQ2W-BBM-K-075U-125D-L930-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	3215.0	3215.0	3215.0	3215.0
2.5°	3211.6	3221.2	3225.2	3229.2
5°	3210.7	3220.8	3224.3	3227.9
7.5°	3214.1	3221.1	3223.5	3226.0
10°	3218.8	3229.7	3230.4	3231.1
12.5°	3226.9	3242.6	3238.1	3233.7
15°	3228.4	3250.6	3238.4	3226.3
17.5°	3195.3	3224.6	3207.4	3190.3
20°	3150.7	3182.7	3162.7	3142.7
22.5°	3081.7	3112.4	3094.1	3075.8
25°	2949.1	2980.4	2968.2	2956.1
27.5°	2768.6	2793.4	2790.0	2786.6
30°	2636.0	2655.3	2655.3	2655.3
32.5°	2484.6	2498.8	2500.5	2502.2
35°	2235.0	2244.9	2237.0	2229.1
37.5°	1931.4	1939.5	1936.5	1933.5
40°	1701.1	1711.1	1710.4	1709.6
42.5°	1471.2	1477.3	1462.9	1448.5
45°	1091.5	1068.1	1004.5	940.9
47.5°	686.1	631.2	552.0	472.8
50°	434.8	361.3	314.2	267.0
52.5°	279.1	219.9	199.1	178.2
55°	127.6	101.5	95.8	90.1
57.5°	57.6	46.0	38.3	30.6
60°	28.4	19.1	12.0	4.8
62.5°	12.5	5.0	3.0	1.0
65°	0.5	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: P1427528

CATALOG NUMBER: SQ2W-BBM-K-075U-125D-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: P1427528  
 CATALOG NUMBER: SQ2W-BBM-K-075U-125D-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	0.56	1.34	1.44	2.20	3.28	0.79	1.57	1.66	2.43	3.51
	3H	0.37	1.06	1.26	1.93	3.04	0.60	1.29	1.49	2.16	3.27
	4H	0.27	0.91	1.17	1.79	2.91	0.50	1.14	1.40	2.02	3.14
	6H	0.16	0.75	1.07	1.64	2.77	0.39	0.98	1.30	1.87	3.00
	8H	0.10	0.66	1.02	1.56	2.69	0.33	0.89	1.25	1.79	2.92
	12H	0.04	0.57	0.96	1.47	2.62	0.27	0.80	1.19	1.70	2.85
4H	2H	0.28	0.92	1.19	1.80	2.92	0.51	1.15	1.41	2.03	3.15
	3H	0.08	0.61	1.00	1.52	2.65	0.31	0.84	1.22	1.75	2.88
	4H	0.00	0.45	0.89	1.36	2.52	0.20	0.67	1.12	1.58	2.74
	6H	0.00	0.27	0.80	1.20	2.36	0.09	0.50	1.02	1.43	2.59
	8H	0.00	0.18	0.73	1.10	2.27	0.02	0.40	0.96	1.33	2.50
	12H	0.00	0.06	0.68	1.01	2.19	0.00	0.29	0.91	1.24	2.41
8H	4H	0.00	0.18	0.73	1.10	2.27	0.02	0.40	0.96	1.33	2.50
	6H	0.00	0.00	0.64	0.96	2.13	0.00	0.21	0.86	1.18	2.35
	8H	0.00	0.00	0.59	0.85	2.04	0.00	0.12	0.81	1.08	2.27
	12H	0.00	0.00	0.52	0.74	1.98	0.00	0.02	0.74	0.97	2.21
12H	4H	0.00	0.06	0.68	1.01	2.19	0.00	0.29	0.91	1.24	2.41
	6H	0.00	0.00	0.59	0.85	2.04	0.00	0.12	0.81	1.08	2.27
	8H	0.00	0.00	0.52	0.74	1.98	0.00	0.02	0.74	0.97	2.21