

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: P1427612

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427612
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-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - BLACK DISCREET BAFFLE, NARROW 35-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

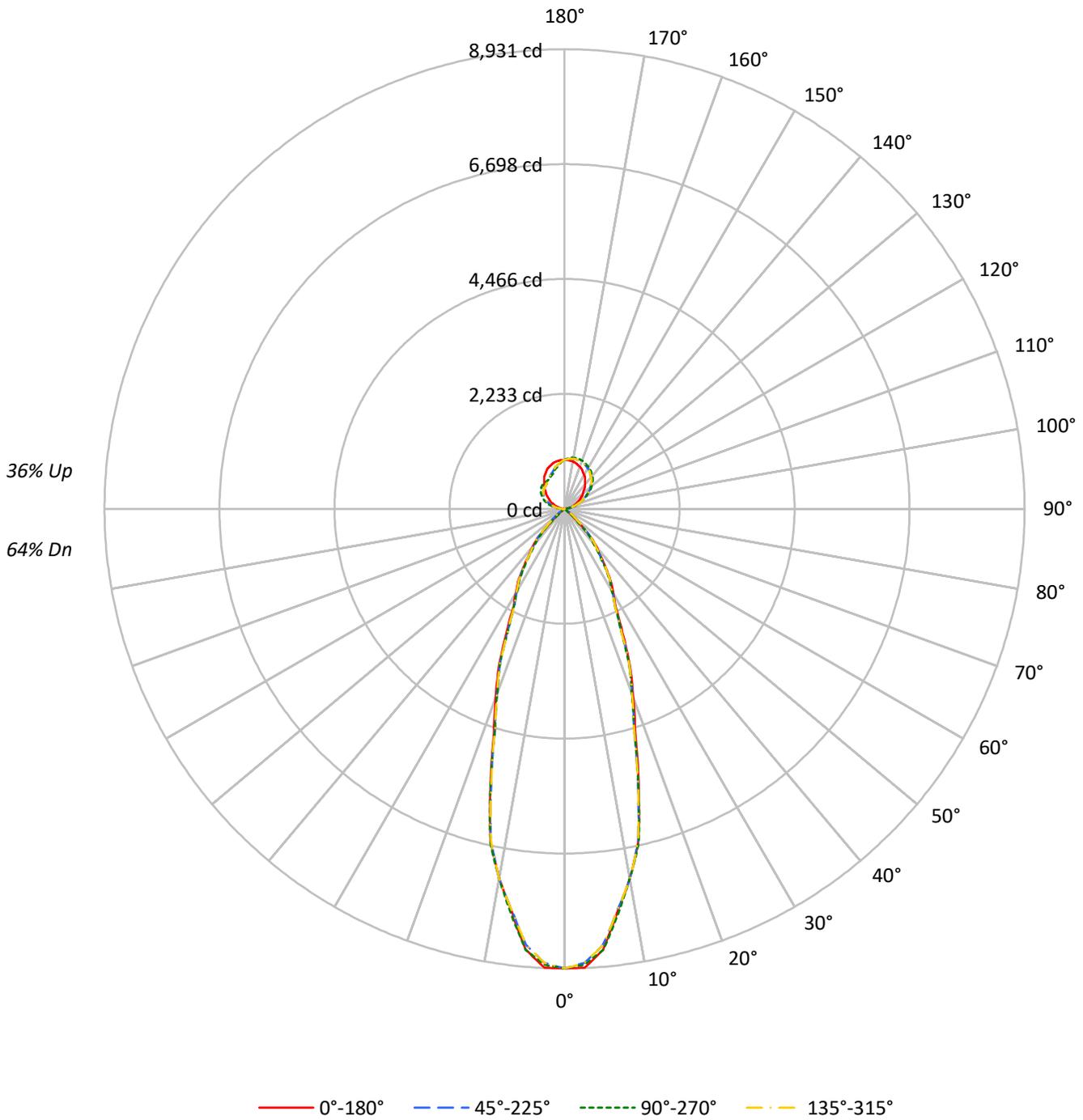
Lumens per Lamp: N/A
Luminaire Lumens: 7609.1 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 73.4
Input Voltage (V): 120
Input Current (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: P1427612

CATALOG NUMBER: SQ2W-BBN-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	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°	144202	144202	144202	144202
5°	139380	139458	139380	139458
10°	119617	119617	119617	119617
15°	92846	92630	92846	92630
20°	67009	65571	67009	65571
25°	47512	45705	47512	45705
30°	35350	34119	35350	34119
35°	27505	26236	27505	26236
40°	20354	18589	20354	18589
45°	10401	8380	10401	8380
50°	2263	1658	2263	1658
55°	633	498	633	498
60°	103	52	103	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: 12688 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	772.3	10.2
10°-20°	1522.7	20.0
20°-30°	1228.3	16.1
30°-40°	853.3	11.2
40°-50°	394.1	5.2
50°-60°	55.2	0.7
60°-70°	1.9	0.0
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	4.9
160°-170°	252.1	3.3
170°-180°	89.5	1.2
0°-30°	3523.3	46.3
0°-40°	4376.6	57.5
0°-60°	4825.9	63.4
0°-90°	4832.9	63.5
90°-120°	656.7	8.6
90°-150°	2059.9	27.1
90°-180°	2777.0	36.5
0°-180°	7609.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	8931	8931	8931	8931	8931	
5°	8600	8605	8600	8605	8600	773
15°	5555	5542	5555	5542	5555	1529
25°	2667	2566	2667	2566	2667	1249
35°	1396	1331	1396	1331	1396	873
45°	456	367	456	367	456	368
55°	22	18	22	18	22	28
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°	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4
2.5°	8926.3	8911.4	8896.5	8867.1	8832.7	8831.3	8862.8	8883.9	8874.2	8864.5	8874.2
5°	8599.9	8579.1	8558.4	8533.3	8506.9	8516.9	8563.4	8599.0	8601.8	8604.7	8601.8
7.5°	7879.4	7886.2	7892.9	7875.7	7850.5	7863.7	7915.2	7952.4	7946.8	7941.2	7946.8
10°	7296.1	7301.1	7306.1	7305.2	7302.4	7309.5	7326.7	7334.8	7315.4	7296.1	7315.4
12.5°	6620.1	6640.0	6659.9	6637.0	6599.8	6594.0	6619.8	6641.1	6649.3	6657.5	6649.3
15°	5554.6	5586.8	5619.0	5573.4	5501.8	5483.2	5517.6	5543.1	5542.4	5541.7	5542.4
17.5°	4555.4	4552.1	4548.8	4520.6	4484.1	4469.1	4475.5	4479.8	4477.7	4475.5	4477.7
20°	3900.0	3895.0	3889.9	3865.6	3834.9	3817.0	3812.0	3809.1	3812.7	3816.3	3812.7
22.5°	3338.5	3330.1	3321.7	3311.5	3300.8	3289.2	3276.7	3268.6	3273.3	3278.0	3273.3
25°	2667.0	2639.9	2612.7	2590.9	2570.8	2569.4	2586.6	2595.7	2580.7	2565.6	2580.7
27.5°	2140.7	2140.3	2139.9	2127.0	2110.0	2102.4	2104.2	2106.3	2109.2	2112.1	2109.2
30°	1896.1	1891.1	1886.0	1872.5	1856.0	1848.1	1848.8	1847.2	1838.7	1830.1	1838.7
32.5°	1678.4	1682.0	1685.6	1671.2	1650.7	1638.5	1634.7	1629.6	1621.0	1612.5	1621.0
35°	1395.5	1395.5	1395.5	1383.7	1367.9	1354.7	1344.0	1335.4	1333.3	1331.1	1333.3
37.5°	1133.1	1131.8	1130.6	1121.9	1110.7	1097.5	1082.4	1069.6	1064.0	1058.4	1064.0
40°	965.7	962.2	958.6	952.3	945.2	932.3	913.7	897.8	889.9	882.0	889.9
42.5°	775.2	784.7	794.3	791.4	784.2	771.3	752.7	735.8	723.9	712.1	723.9
45°	455.5	495.6	535.6	549.9	555.7	547.8	526.3	494.3	430.6	367.0	430.6
47.5°	195.7	239.8	283.9	320.8	355.5	344.5	288.0	232.4	179.4	126.5	179.4
50°	90.1	124.5	158.8	205.0	255.0	244.7	173.8	114.6	90.3	66.0	90.3
52.5°	52.8	70.0	87.1	130.3	182.1	177.4	116.3	67.3	54.4	41.5	54.4
55°	22.5	28.3	34.0	57.4	86.7	85.3	53.1	27.7	22.7	17.7	22.7
57.5°	8.4	11.5	14.7	23.1	33.2	32.6	21.1	11.9	9.3	6.8	9.3
60°	3.2	4.6	6.1	10.2	15.2	14.8	9.1	4.5	3.0	1.6	3.0
62.5°	0.6	1.5	2.4	4.6	7.3	7.3	4.4	2.0	1.2	0.3	1.2
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°	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4
2.5°	8883.9	8862.8	8831.3	8832.7	8867.1	8896.5	8911.4	8926.3	8911.4	8896.5	8867.1
5°	8599.0	8563.4	8516.9	8506.9	8533.3	8558.4	8579.1	8599.9	8579.1	8558.4	8533.3
7.5°	7952.4	7915.2	7863.7	7850.5	7875.7	7892.9	7886.2	7879.4	7886.2	7892.9	7875.7
10°	7334.8	7326.7	7309.5	7302.4	7305.2	7306.1	7301.1	7296.1	7301.1	7306.1	7305.2
12.5°	6641.1	6619.8	6594.0	6599.8	6637.0	6659.9	6640.0	6620.1	6640.0	6659.9	6637.0
15°	5543.1	5517.6	5483.2	5501.8	5573.4	5619.0	5586.8	5554.6	5586.8	5619.0	5573.4
17.5°	4479.8	4475.5	4469.1	4484.1	4520.6	4548.8	4552.1	4555.4	4552.1	4548.8	4520.6
20°	3809.1	3812.0	3817.0	3834.9	3865.6	3889.9	3895.0	3900.0	3895.0	3889.9	3865.6
22.5°	3268.6	3276.7	3289.2	3300.8	3311.5	3321.7	3330.1	3338.5	3330.1	3321.7	3311.5
25°	2595.7	2586.6	2569.4	2570.8	2590.9	2612.7	2639.9	2667.0	2639.9	2612.7	2590.9
27.5°	2106.3	2104.2	2102.4	2110.0	2127.0	2139.9	2140.3	2140.7	2140.3	2139.9	2127.0
30°	1847.2	1848.8	1848.1	1856.0	1872.5	1886.0	1891.1	1896.1	1891.1	1886.0	1872.5
32.5°	1629.6	1634.7	1638.5	1650.7	1671.2	1685.6	1682.0	1678.4	1682.0	1685.6	1671.2
35°	1335.4	1344.0	1354.7	1367.9	1383.7	1395.5	1395.5	1395.5	1395.5	1395.5	1383.7
37.5°	1069.6	1082.4	1097.5	1110.7	1121.9	1130.6	1131.8	1133.1	1131.8	1130.6	1121.9
40°	897.8	913.7	932.3	945.2	952.3	958.6	962.2	965.7	962.2	958.6	952.3
42.5°	735.8	752.7	771.3	784.2	791.4	794.3	784.7	775.2	784.7	794.3	791.4
45°	494.3	526.3	547.8	555.7	549.9	535.6	495.6	455.5	495.6	535.6	549.9
47.5°	232.4	288.0	344.5	355.5	320.8	283.9	239.8	195.7	239.8	283.9	320.8
50°	114.6	173.8	244.7	255.0	205.0	158.8	124.5	90.1	124.5	158.8	205.0
52.5°	67.3	116.3	177.4	182.1	130.3	87.1	70.0	52.8	70.0	87.1	130.3
55°	27.7	53.1	85.3	86.7	57.4	34.0	28.3	22.5	28.3	34.0	57.4
57.5°	11.9	21.1	32.6	33.2	23.1	14.7	11.5	8.4	11.5	14.7	23.1
60°	4.5	9.1	14.8	15.2	10.2	6.1	4.6	3.2	4.6	6.1	10.2
62.5°	2.0	4.4	7.3	7.3	4.6	2.4	1.5	0.6	1.5	2.4	4.6
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: P1427612

CATALOG NUMBER: SQ2W-BBN-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: P1427612

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4	8931.4
2.5°	8832.7	8831.3	8862.8	8883.9	8874.2	8864.5	8874.2	8883.9	8862.8	8831.3	8832.7
5°	8506.9	8516.9	8563.4	8599.0	8601.8	8604.7	8601.8	8599.0	8563.4	8516.9	8506.9
7.5°	7850.5	7863.7	7915.2	7952.4	7946.8	7941.2	7946.8	7952.4	7915.2	7863.7	7850.5
10°	7302.4	7309.5	7326.7	7334.8	7315.4	7296.1	7315.4	7334.8	7326.7	7309.5	7302.4
12.5°	6599.8	6594.0	6619.8	6641.1	6649.3	6657.5	6649.3	6641.1	6619.8	6594.0	6599.8
15°	5501.8	5483.2	5517.6	5543.1	5542.4	5541.7	5542.4	5543.1	5517.6	5483.2	5501.8
17.5°	4484.1	4469.1	4475.5	4479.8	4477.7	4475.5	4477.7	4479.8	4475.5	4469.1	4484.1
20°	3834.9	3817.0	3812.0	3809.1	3812.7	3816.3	3812.7	3809.1	3812.0	3817.0	3834.9
22.5°	3300.8	3289.2	3276.7	3268.6	3273.3	3278.0	3273.3	3268.6	3276.7	3289.2	3300.8
25°	2570.8	2569.4	2586.6	2595.7	2580.7	2565.6	2580.7	2595.7	2586.6	2569.4	2570.8
27.5°	2110.0	2102.4	2104.2	2106.3	2109.2	2112.1	2109.2	2106.3	2104.2	2102.4	2110.0
30°	1856.0	1848.1	1848.8	1847.2	1838.7	1830.1	1838.7	1847.2	1848.8	1848.1	1856.0
32.5°	1650.7	1638.5	1634.7	1629.6	1621.0	1612.5	1621.0	1629.6	1634.7	1638.5	1650.7
35°	1367.9	1354.7	1344.0	1335.4	1333.3	1331.1	1333.3	1335.4	1344.0	1354.7	1367.9
37.5°	1110.7	1097.5	1082.4	1069.6	1064.0	1058.4	1064.0	1069.6	1082.4	1097.5	1110.7
40°	945.2	932.3	913.7	897.8	889.9	882.0	889.9	897.8	913.7	932.3	945.2
42.5°	784.2	771.3	752.7	735.8	723.9	712.1	723.9	735.8	752.7	771.3	784.2
45°	555.7	547.8	526.3	494.3	430.6	367.0	430.6	494.3	526.3	547.8	555.7
47.5°	355.5	344.5	288.0	232.4	179.4	126.5	179.4	232.4	288.0	344.5	355.5
50°	255.0	244.7	173.8	114.6	90.3	66.0	90.3	114.6	173.8	244.7	255.0
52.5°	182.1	177.4	116.3	67.3	54.4	41.5	54.4	67.3	116.3	177.4	182.1
55°	86.7	85.3	53.1	27.7	22.7	17.7	22.7	27.7	53.1	85.3	86.7
57.5°	33.2	32.6	21.1	11.9	9.3	6.8	9.3	11.9	21.1	32.6	33.2
60°	15.2	14.8	9.1	4.5	3.0	1.6	3.0	4.5	9.1	14.8	15.2
62.5°	7.3	7.3	4.4	2.0	1.2	0.3	1.2	2.0	4.4	7.3	7.3
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: P1427612

CATALOG NUMBER: SQ2W-BBN-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: P1427612

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	8931.4	8931.4	8931.4	8931.4
2.5°	8867.1	8896.5	8911.4	8926.3
5°	8533.3	8558.4	8579.1	8599.9
7.5°	7875.7	7892.9	7886.2	7879.4
10°	7305.2	7306.1	7301.1	7296.1
12.5°	6637.0	6659.9	6640.0	6620.1
15°	5573.4	5619.0	5586.8	5554.6
17.5°	4520.6	4548.8	4552.1	4555.4
20°	3865.6	3889.9	3895.0	3900.0
22.5°	3311.5	3321.7	3330.1	3338.5
25°	2590.9	2612.7	2639.9	2667.0
27.5°	2127.0	2139.9	2140.3	2140.7
30°	1872.5	1886.0	1891.1	1896.1
32.5°	1671.2	1685.6	1682.0	1678.4
35°	1383.7	1395.5	1395.5	1395.5
37.5°	1121.9	1130.6	1131.8	1133.1
40°	952.3	958.6	962.2	965.7
42.5°	791.4	794.3	784.7	775.2
45°	549.9	535.6	495.6	455.5
47.5°	320.8	283.9	239.8	195.7
50°	205.0	158.8	124.5	90.1
52.5°	130.3	87.1	70.0	52.8
55°	57.4	34.0	28.3	22.5
57.5°	23.1	14.7	11.5	8.4
60°	10.2	6.1	4.6	3.2
62.5°	4.6	2.4	1.5	0.6
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: P1427612

CATALOG NUMBER: SQ2W-BBN-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: P1427612
 CATALOG NUMBER: SQ2W-BBN-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	0.00	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