

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: P1427603

Luminaire Tested: SQ2W-BBN-K-075U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427603
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-050D-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 500 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

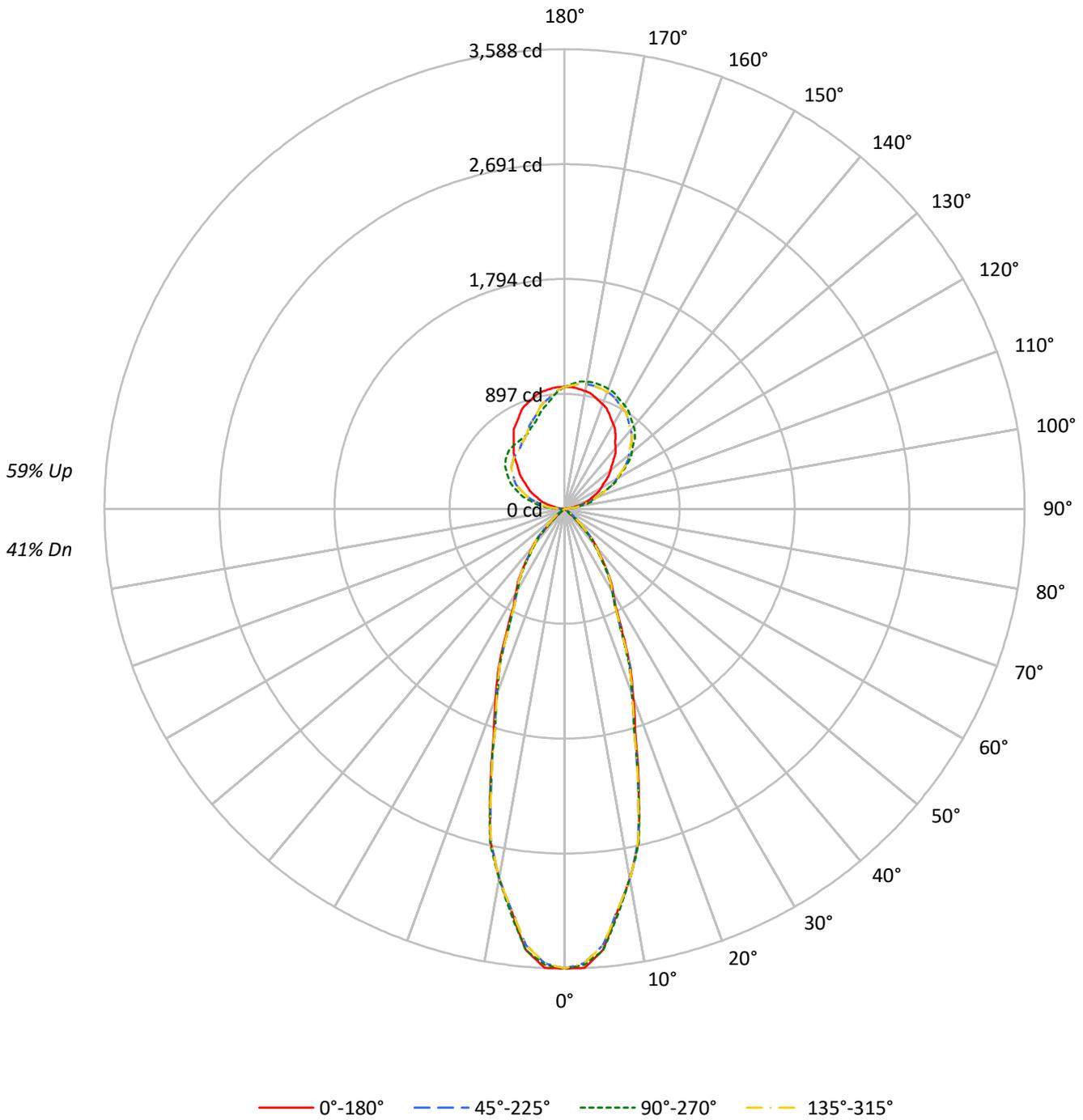
Lumens per Lamp: N/A
Luminaire Lumens: 4721.0 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 41.7
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: P1427603

CATALOG NUMBER: SQ2W-BBN-K-075U-050D-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	105	105	105	105	96	96	96	96	78	78	78	63	63	63	48	48	48	41
1	98	94	91	88	89	86	84	82	72	70	68	58	57	56	45	45	44	39
2	91	85	80	76	83	78	74	71	66	63	60	54	52	50	43	42	41	36
3	85	77	71	67	78	71	66	62	60	57	54	50	48	46	41	39	38	34
4	79	70	64	59	73	65	60	55	56	52	49	47	44	42	38	37	35	32
5	74	64	58	53	68	60	54	50	51	47	44	43	41	38	36	34	33	30
6	69	59	52	48	64	55	49	45	48	43	40	41	38	36	34	32	31	28
7	65	55	48	43	60	51	45	41	44	40	37	38	35	33	32	30	29	26
8	61	51	44	40	56	48	42	38	42	37	34	36	33	31	31	29	27	25
9	57	47	41	37	53	44	39	35	39	35	32	34	31	29	29	27	26	24
10	54	44	38	34	50	42	36	32	37	33	30	32	29	27	28	26	24	23

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	57938	57938	57938	57938
5°	56001	56032	56001	56032
10°	48061	48061	48061	48061
15°	37303	37218	37303	37218
20°	26922	26345	26922	26345
25°	19090	18363	19090	18363
30°	14202	13708	14202	13708
35°	11051	10541	11051	10541
40°	8178	7470	8178	7470
45°	4178	3366	4178	3366
50°	909	666	909	666
55°	256	200	256	200
60°	42	19	42	19
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: 5099 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.3	6.6
10°-20°	611.8	13.0
20°-30°	493.5	10.5
30°-40°	342.8	7.3
40°-50°	158.4	3.4
50°-60°	22.2	0.5
60°-70°	0.8	0.0
70°-80°	0.0	0.0
80°-90°	5.0	0.1
90°-100°	75.7	1.6
100°-110°	220.8	4.7
110°-120°	360.3	7.6
120°-130°	457.2	9.7
130°-140°	489.2	10.4
140°-150°	456.8	9.7
150°-160°	375.9	8.0
160°-170°	252.1	5.3
170°-180°	89.5	1.9
0°-30°	1415.6	30.0
0°-40°	1758.4	37.2
0°-60°	1939.0	41.1
0°-90°	1944.8	41.2
90°-120°	656.7	13.9
90°-150°	2059.9	43.6
90°-180°	2777.0	58.8
0°-180°	4721.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3588	3588	3588	3588	3588	
5°	3455	3457	3455	3457	3455	311
15°	2232	2227	2232	2227	2232	614
25°	1072	1031	1072	1031	1072	502
35°	561	535	561	535	561	351
45°	183	147	183	147	183	148
55°	9	7	9	7	9	11
65°	0	0	0	0	0	0
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°	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5
2.5°	3586.4	3580.4	3574.5	3562.6	3548.8	3548.3	3560.9	3569.4	3565.5	3561.6	3565.5
5°	3455.3	3446.9	3438.6	3428.5	3417.9	3421.9	3440.6	3454.9	3456.1	3457.2	3456.1
7.5°	3165.8	3168.5	3171.2	3164.3	3154.2	3159.5	3180.2	3195.1	3192.9	3190.6	3192.9
10°	2931.5	2933.5	2935.5	2935.1	2934.0	2936.8	2943.7	2947.0	2939.2	2931.5	2939.2
12.5°	2659.8	2667.8	2675.8	2666.6	2651.7	2649.4	2659.7	2668.3	2671.6	2674.8	2671.6
15°	2231.7	2244.7	2257.6	2239.3	2210.5	2203.1	2216.9	2227.1	2226.8	2226.6	2226.8
17.5°	1830.3	1828.9	1827.6	1816.3	1801.6	1795.6	1798.2	1799.9	1799.1	1798.2	1799.1
20°	1566.9	1564.9	1562.9	1553.1	1540.8	1533.6	1531.6	1530.4	1531.9	1533.3	1531.9
22.5°	1341.4	1338.0	1334.6	1330.5	1326.2	1321.5	1316.5	1313.3	1315.2	1317.1	1315.2
25°	1071.6	1060.6	1049.7	1041.0	1032.9	1032.3	1039.2	1042.9	1036.9	1030.8	1036.9
27.5°	860.1	859.9	859.8	854.6	847.7	844.7	845.4	846.3	847.4	848.6	847.4
30°	761.8	759.8	757.8	752.3	745.7	742.5	742.8	742.2	738.7	735.3	738.7
32.5°	674.4	675.8	677.2	671.4	663.2	658.3	656.8	654.8	651.3	647.9	651.3
35°	560.7	560.7	560.7	555.9	549.6	544.3	540.0	536.5	535.7	534.8	535.7
37.5°	455.3	454.8	454.2	450.7	446.3	441.0	434.9	429.7	427.5	425.3	427.5
40°	388.0	386.6	385.1	382.6	379.8	374.6	367.1	360.7	357.5	354.4	357.5
42.5°	311.4	315.3	319.1	318.0	315.1	309.9	302.4	295.6	290.9	286.1	290.9
45°	183.0	199.1	215.2	221.0	223.3	220.1	211.5	198.6	173.0	147.4	173.0
47.5°	78.6	96.3	114.0	128.9	142.8	138.4	115.7	93.4	72.1	50.8	72.1
50°	36.2	50.0	63.8	82.3	102.5	98.3	69.8	46.1	36.3	26.5	36.3
52.5°	21.2	28.1	35.0	52.3	73.1	71.3	46.7	27.0	21.9	16.7	21.9
55°	9.1	11.4	13.7	23.1	34.8	34.3	21.3	11.1	9.1	7.1	9.1
57.5°	3.4	4.6	5.9	9.3	13.4	13.1	8.5	4.8	3.8	2.7	3.8
60°	1.3	1.9	2.4	4.1	6.1	6.0	3.7	1.8	1.2	0.6	1.2
62.5°	0.3	0.6	0.9	1.9	2.9	2.9	1.8	0.8	0.5	0.1	0.5
65°	0.0	0.0	0.0	0.2	0.5	0.5	0.2	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



TEST NUMBER: P1427603

CATALOG NUMBER: SQ2W-BBN-K-075U-050D-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°	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5
2.5°	3569.4	3560.9	3548.3	3548.8	3562.6	3574.5	3580.4	3586.4	3580.4	3574.5	3562.6
5°	3454.9	3440.6	3421.9	3417.9	3428.5	3438.6	3446.9	3455.3	3446.9	3438.6	3428.5
7.5°	3195.1	3180.2	3159.5	3154.2	3164.3	3171.2	3168.5	3165.8	3168.5	3171.2	3164.3
10°	2947.0	2943.7	2936.8	2934.0	2935.1	2935.5	2933.5	2931.5	2933.5	2935.5	2935.1
12.5°	2668.3	2659.7	2649.4	2651.7	2666.6	2675.8	2667.8	2659.8	2667.8	2675.8	2666.6
15°	2227.1	2216.9	2203.1	2210.5	2239.3	2257.6	2244.7	2231.7	2244.7	2257.6	2239.3
17.5°	1799.9	1798.2	1795.6	1801.6	1816.3	1827.6	1828.9	1830.3	1828.9	1827.6	1816.3
20°	1530.4	1531.6	1533.6	1540.8	1553.1	1562.9	1564.9	1566.9	1564.9	1562.9	1553.1
22.5°	1313.3	1316.5	1321.5	1326.2	1330.5	1334.6	1338.0	1341.4	1338.0	1334.6	1330.5
25°	1042.9	1039.2	1032.3	1032.9	1041.0	1049.7	1060.6	1071.6	1060.6	1049.7	1041.0
27.5°	846.3	845.4	844.7	847.7	854.6	859.8	859.9	860.1	859.9	859.8	854.6
30°	742.2	742.8	742.5	745.7	752.3	757.8	759.8	761.8	759.8	757.8	752.3
32.5°	654.8	656.8	658.3	663.2	671.4	677.2	675.8	674.4	675.8	677.2	671.4
35°	536.5	540.0	544.3	549.6	555.9	560.7	560.7	560.7	560.7	560.7	555.9
37.5°	429.7	434.9	441.0	446.3	450.7	454.2	454.8	455.3	454.8	454.2	450.7
40°	360.7	367.1	374.6	379.8	382.6	385.1	386.6	388.0	386.6	385.1	382.6
42.5°	295.6	302.4	309.9	315.1	318.0	319.1	315.3	311.4	315.3	319.1	318.0
45°	198.6	211.5	220.1	223.3	221.0	215.2	199.1	183.0	199.1	215.2	221.0
47.5°	93.4	115.7	138.4	142.8	128.9	114.0	96.3	78.6	96.3	114.0	128.9
50°	46.1	69.8	98.3	102.5	82.3	63.8	50.0	36.2	50.0	63.8	82.3
52.5°	27.0	46.7	71.3	73.1	52.3	35.0	28.1	21.2	28.1	35.0	52.3
55°	11.1	21.3	34.3	34.8	23.1	13.7	11.4	9.1	11.4	13.7	23.1
57.5°	4.8	8.5	13.1	13.4	9.3	5.9	4.6	3.4	4.6	5.9	9.3
60°	1.8	3.7	6.0	6.1	4.1	2.4	1.9	1.3	1.9	2.4	4.1
62.5°	0.8	1.8	2.9	2.9	1.9	0.9	0.6	0.3	0.6	0.9	1.9
65°	0.0	0.2	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.2
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: P1427603

CATALOG NUMBER: SQ2W-BBN-K-075U-050D-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: P1427603

CATALOG NUMBER: SQ2W-BBN-K-075U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5	3588.5
2.5°	3548.8	3548.3	3560.9	3569.4	3565.5	3561.6	3565.5	3569.4	3560.9	3548.3	3548.8
5°	3417.9	3421.9	3440.6	3454.9	3456.1	3457.2	3456.1	3454.9	3440.6	3421.9	3417.9
7.5°	3154.2	3159.5	3180.2	3195.1	3192.9	3190.6	3192.9	3195.1	3180.2	3159.5	3154.2
10°	2934.0	2936.8	2943.7	2947.0	2939.2	2931.5	2939.2	2947.0	2943.7	2936.8	2934.0
12.5°	2651.7	2649.4	2659.7	2668.3	2671.6	2674.8	2671.6	2668.3	2659.7	2649.4	2651.7
15°	2210.5	2203.1	2216.9	2227.1	2226.8	2226.6	2226.8	2227.1	2216.9	2203.1	2210.5
17.5°	1801.6	1795.6	1798.2	1799.9	1799.1	1798.2	1799.1	1799.9	1798.2	1795.6	1801.6
20°	1540.8	1533.6	1531.6	1530.4	1531.9	1533.3	1531.9	1530.4	1531.6	1533.6	1540.8
22.5°	1326.2	1321.5	1316.5	1313.3	1315.2	1317.1	1315.2	1313.3	1316.5	1321.5	1326.2
25°	1032.9	1032.3	1039.2	1042.9	1036.9	1030.8	1036.9	1042.9	1039.2	1032.3	1032.9
27.5°	847.7	844.7	845.4	846.3	847.4	848.6	847.4	846.3	845.4	844.7	847.7
30°	745.7	742.5	742.8	742.2	738.7	735.3	738.7	742.2	742.8	742.5	745.7
32.5°	663.2	658.3	656.8	654.8	651.3	647.9	651.3	654.8	656.8	658.3	663.2
35°	549.6	544.3	540.0	536.5	535.7	534.8	535.7	536.5	540.0	544.3	549.6
37.5°	446.3	441.0	434.9	429.7	427.5	425.3	427.5	429.7	434.9	441.0	446.3
40°	379.8	374.6	367.1	360.7	357.5	354.4	357.5	360.7	367.1	374.6	379.8
42.5°	315.1	309.9	302.4	295.6	290.9	286.1	290.9	295.6	302.4	309.9	315.1
45°	223.3	220.1	211.5	198.6	173.0	147.4	173.0	198.6	211.5	220.1	223.3
47.5°	142.8	138.4	115.7	93.4	72.1	50.8	72.1	93.4	115.7	138.4	142.8
50°	102.5	98.3	69.8	46.1	36.3	26.5	36.3	46.1	69.8	98.3	102.5
52.5°	73.1	71.3	46.7	27.0	21.9	16.7	21.9	27.0	46.7	71.3	73.1
55°	34.8	34.3	21.3	11.1	9.1	7.1	9.1	11.1	21.3	34.3	34.8
57.5°	13.4	13.1	8.5	4.8	3.8	2.7	3.8	4.8	8.5	13.1	13.4
60°	6.1	6.0	3.7	1.8	1.2	0.6	1.2	1.8	3.7	6.0	6.1
62.5°	2.9	2.9	1.8	0.8	0.5	0.1	0.5	0.8	1.8	2.9	2.9
65°	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.5	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°	4.4	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: P1427603

CATALOG NUMBER: SQ2W-BBN-K-075U-050D-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: P1427603

CATALOG NUMBER: SQ2W-BBN-K-075U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	3588.5	3588.5	3588.5	3588.5
2.5°	3562.6	3574.5	3580.4	3586.4
5°	3428.5	3438.6	3446.9	3455.3
7.5°	3164.3	3171.2	3168.5	3165.8
10°	2935.1	2935.5	2933.5	2931.5
12.5°	2666.6	2675.8	2667.8	2659.8
15°	2239.3	2257.6	2244.7	2231.7
17.5°	1816.3	1827.6	1828.9	1830.3
20°	1553.1	1562.9	1564.9	1566.9
22.5°	1330.5	1334.6	1338.0	1341.4
25°	1041.0	1049.7	1060.6	1071.6
27.5°	854.6	859.8	859.9	860.1
30°	752.3	757.8	759.8	761.8
32.5°	671.4	677.2	675.8	674.4
35°	555.9	560.7	560.7	560.7
37.5°	450.7	454.2	454.8	455.3
40°	382.6	385.1	386.6	388.0
42.5°	318.0	319.1	315.3	311.4
45°	221.0	215.2	199.1	183.0
47.5°	128.9	114.0	96.3	78.6
50°	82.3	63.8	50.0	36.2
52.5°	52.3	35.0	28.1	21.2
55°	23.1	13.7	11.4	9.1
57.5°	9.3	5.9	4.6	3.4
60°	4.1	2.4	1.9	1.3
62.5°	1.9	0.9	0.6	0.3
65°	0.2	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: P1427603

CATALOG NUMBER: SQ2W-BBN-K-075U-050D-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: P1427603

CATALOG NUMBER: SQ2W-BBN-K-075U-050D-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