

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: P1427604

Luminaire Tested: SQ2W-BBN-K-075U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427604
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-L935-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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

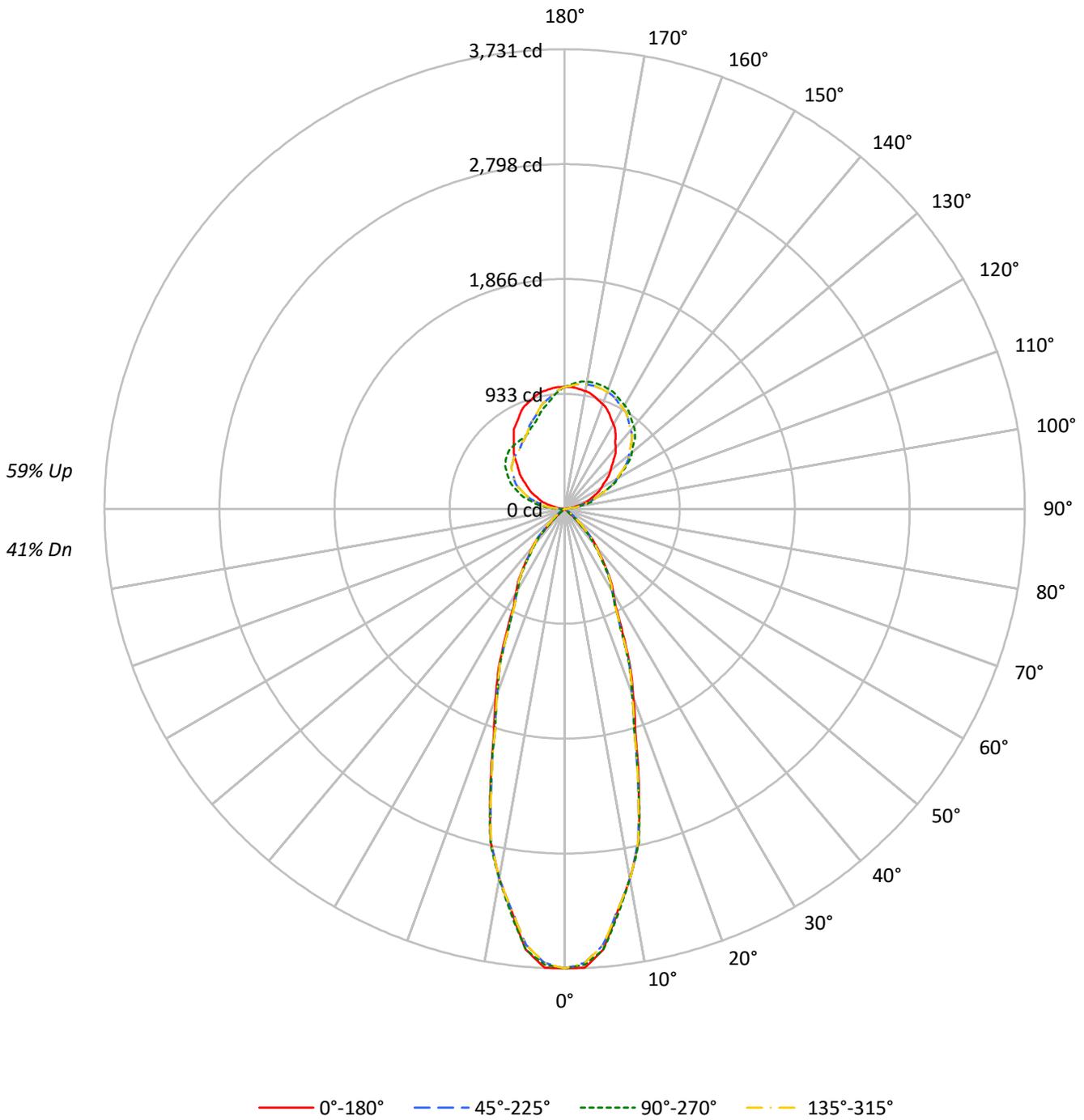
Lumens per Lamp: N/A
Luminaire Lumens: 4908.5 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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

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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°	60239	60239	60239	60239
5°	58224	58257	58224	58257
10°	49969	49969	49969	49969
15°	38786	38695	38786	38695
20°	27992	27391	27992	27391
25°	19847	19094	19847	19094
30°	14767	14253	14767	14253
35°	11491	10961	11491	10961
40°	8502	7767	8502	7767
45°	4345	3500	4345	3500
50°	947	693	947	693
55°	265	208	265	208
60°	42	23	42	23
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: 5300 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.6	6.6
10°-20°	636.1	13.0
20°-30°	513.1	10.5
30°-40°	356.5	7.3
40°-50°	164.7	3.4
50°-60°	23.1	0.5
60°-70°	0.8	0.0
70°-80°	0.0	0.0
80°-90°	5.3	0.1
90°-100°	78.7	1.6
100°-110°	229.5	4.7
110°-120°	374.6	7.6
120°-130°	475.3	9.7
130°-140°	508.6	10.4
140°-150°	474.9	9.7
150°-160°	390.8	8.0
160°-170°	262.1	5.3
170°-180°	93.1	1.9
0°-30°	1471.8	30.0
0°-40°	1828.3	37.2
0°-60°	2016.0	41.1
0°-90°	2022.0	41.2
90°-120°	682.8	13.9
90°-150°	2141.7	43.6
90°-180°	2888.0	58.8
0°-180°	4908.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3731	3731	3731	3731	3731	
5°	3592	3594	3592	3594	3592	323
15°	2320	2315	2320	2315	2320	639
25°	1114	1072	1114	1072	1114	522
35°	583	556	583	556	583	365
45°	190	153	190	153	190	154
55°	9	7	9	7	9	12
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	3	22	3	43	3	2
95°	31	23	31	135	31	37
105°	146	234	146	322	146	155
115°	280	388	280	478	280	276
125°	414	614	414	585	414	370
135°	562	804	562	648	562	435
145°	718	927	718	662	718	449
155°	853	1007	853	687	853	392
165°	943	1050	943	791	943	265
175°	986	1028	986	928	986	94
180°	989	989	989	989	989	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0
2.5°	3728.9	3722.7	3716.4	3704.1	3689.8	3689.2	3702.3	3711.2	3707.1	3703.1	3707.1
5°	3592.5	3583.8	3575.2	3564.7	3553.7	3557.8	3577.3	3592.1	3593.3	3594.5	3593.3
7.5°	3291.6	3294.4	3297.2	3290.0	3279.5	3285.0	3306.5	3322.0	3319.7	3317.4	3319.7
10°	3047.9	3050.0	3052.1	3051.7	3050.5	3053.5	3060.7	3064.0	3056.0	3047.9	3056.0
12.5°	2765.5	2773.8	2782.1	2772.5	2757.0	2754.6	2765.4	2774.3	2777.7	2781.1	2777.7
15°	2320.4	2333.8	2347.3	2328.2	2298.3	2290.6	2304.9	2315.6	2315.3	2315.0	2315.3
17.5°	1903.0	1901.6	1900.2	1888.4	1873.2	1866.9	1869.6	1871.4	1870.5	1869.6	1870.5
20°	1629.2	1627.1	1625.0	1614.8	1602.0	1594.5	1592.4	1591.2	1592.7	1594.2	1592.7
22.5°	1394.6	1391.1	1387.6	1383.3	1378.9	1374.0	1368.8	1365.4	1367.4	1369.4	1367.4
25°	1114.1	1102.8	1091.4	1082.3	1073.9	1073.3	1080.5	1084.3	1078.0	1071.8	1078.0
27.5°	894.3	894.1	893.9	888.5	881.4	878.2	879.0	879.9	881.1	882.3	881.1
30°	792.1	790.0	787.9	782.2	775.3	772.0	772.3	771.7	768.1	764.5	768.1
32.5°	701.2	702.6	704.1	698.1	689.6	684.5	682.9	680.8	677.2	673.6	677.2
35°	583.0	583.0	583.0	578.0	571.4	565.9	561.4	557.8	557.0	556.1	557.0
37.5°	473.4	472.8	472.3	468.6	464.0	458.5	452.2	446.8	444.5	442.2	444.5
40°	403.4	401.9	400.4	397.8	394.8	389.5	381.7	375.0	371.8	368.5	371.8
42.5°	323.8	327.8	331.8	330.6	327.6	322.2	314.4	307.4	302.4	297.5	302.4
45°	190.3	207.0	223.8	229.7	232.1	228.8	219.9	206.5	179.9	153.3	179.9
47.5°	81.8	100.2	118.6	134.0	148.5	143.9	120.3	97.1	75.0	52.8	75.0
50°	37.7	52.0	66.3	85.6	106.5	102.2	72.6	47.9	37.7	27.6	37.7
52.5°	22.1	29.2	36.4	54.4	76.1	74.1	48.6	28.1	22.7	17.3	22.7
55°	9.4	11.8	14.2	24.0	36.2	35.6	22.2	11.6	9.5	7.4	9.5
57.5°	3.5	4.8	6.1	9.6	13.9	13.6	8.8	5.0	3.9	2.8	3.9
60°	1.3	1.9	2.5	4.3	6.4	6.2	3.8	1.9	1.3	0.7	1.3
62.5°	0.3	0.6	1.0	1.9	3.1	3.0	1.8	0.9	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	1.4	2.4	3.2	3.8	4.0	4.0	4.2	4.4	4.4	4.4
90°	3.0	7.0	12.0	16.0	19.0	20.0	20.0	21.0	22.0	22.0	22.0
92.5°	11.0	17.4	17.6	17.6	21.4	23.2	24.8	25.0	26.0	26.0	26.0
95°	31.0	34.0	50.9	49.9	34.0	27.0	23.0	23.0	23.0	23.0	23.0
97.5°	59.1	63.5	66.3	88.9	93.9	90.7	73.9	62.1	55.5	52.5	55.5
100°	83.9	85.9	91.9	92.9	117.9	141.9	129.9	114.9	109.9	106.9	109.9
102.5°	108.7	109.9	119.1	123.3	129.1	142.7	184.2	179.6	176.2	175.6	176.2
105°	145.8	146.8	163.8	171.8	175.8	175.8	174.8	194.8	226.8	233.8	226.8
107.5°	185.6	190.2	210.2	231.6	236.2	237.4	232.2	229.2	228.0	228.8	228.0
110°	212.8	219.8	243.7	270.7	277.7	279.7	277.7	274.7	272.7	272.7	272.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	239.2	249.3	276.5	307.5	319.3	325.3	320.9	318.7	316.7	318.3	316.7
115°	279.7	294.7	330.7	362.6	386.6	389.6	388.6	388.6	387.6	387.6	387.6
117.5°	317.3	341.2	381.6	418.8	446.5	454.5	458.5	457.3	456.1	458.1	456.1
120°	343.6	371.6	417.6	459.5	486.5	498.5	502.5	500.5	502.5	500.5	502.5
122.5°	371.6	406.0	451.1	494.7	526.5	540.0	544.8	545.2	545.6	544.4	545.6
125°	413.6	455.5	508.5	553.4	586.4	602.4	606.4	607.4	609.4	614.4	609.4
127.5°	455.9	503.5	561.6	605.0	638.7	658.1	664.3	666.5	670.7	672.9	670.7
130°	485.5	539.4	598.4	639.3	672.3	693.3	704.3	707.3	712.3	711.3	712.3
132.5°	516.7	573.0	632.7	675.3	705.9	728.4	737.8	746.4	748.2	749.6	748.2
135°	562.4	623.4	683.3	725.3	754.2	776.2	788.2	796.2	801.2	804.2	801.2
137.5°	610.6	674.9	732.4	769.8	799.0	818.0	831.5	839.9	845.1	847.5	845.1
140°	643.3	705.3	761.2	800.2	826.1	845.1	857.1	867.1	873.1	873.1	873.1
142.5°	674.5	735.6	790.0	828.9	851.7	869.1	881.9	889.5	896.3	896.3	896.3
145°	718.3	779.2	829.1	868.1	887.1	903.1	917.1	923.0	927.0	927.0	927.0
147.5°	764.0	818.0	863.5	900.9	916.9	935.6	946.6	951.4	956.4	954.2	956.4
150°	791.2	841.1	885.1	920.1	936.0	954.0	965.0	969.0	974.0	971.0	974.0
152.5°	817.6	865.1	905.1	937.6	951.2	969.2	981.8	985.8	989.2	987.0	989.2
155°	853.1	895.1	932.0	962.0	974.0	991.0	1003.0	1008.0	1012.0	1007.0	1012.0
157.5°	884.9	921.0	953.2	980.8	993.6	1008.2	1019.3	1025.5	1029.5	1027.3	1029.5
160°	904.1	937.0	966.0	992.0	1004.0	1017.0	1028.9	1035.9	1039.9	1036.9	1039.9
162.5°	920.1	949.8	977.2	1000.8	1011.2	1022.5	1036.9	1043.1	1047.1	1043.3	1047.1
165°	943.0	967.0	991.0	1011.0	1019.9	1028.9	1043.9	1050.9	1053.9	1049.9	1053.9
167.5°	960.4	978.8	998.2	1015.4	1021.9	1030.7	1045.7	1051.5	1055.3	1050.3	1055.3
170°	970.0	986.0	1003.0	1017.0	1021.9	1029.9	1044.9	1049.9	1052.9	1047.9	1052.9
172.5°	978.0	990.0	1003.8	1016.2	1018.7	1025.1	1039.3	1044.3	1046.5	1042.3	1046.5
175°	986.0	993.0	1003.0	1011.0	1010.0	1014.0	1025.9	1029.9	1033.9	1027.9	1033.9
177.5°	989.8	993.0	996.2	1001.0	997.8	997.8	1006.6	1009.0	1009.8	1006.6	1009.8
180°	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0
2.5°	3711.2	3702.3	3689.2	3689.8	3704.1	3716.4	3722.7	3728.9	3722.7	3716.4	3704.1
5°	3592.1	3577.3	3557.8	3553.7	3564.7	3575.2	3583.8	3592.5	3583.8	3575.2	3564.7
7.5°	3322.0	3306.5	3285.0	3279.5	3290.0	3297.2	3294.4	3291.6	3294.4	3297.2	3290.0
10°	3064.0	3060.7	3053.5	3050.5	3051.7	3052.1	3050.0	3047.9	3050.0	3052.1	3051.7
12.5°	2774.3	2765.4	2754.6	2757.0	2772.5	2782.1	2773.8	2765.5	2773.8	2782.1	2772.5
15°	2315.6	2304.9	2290.6	2298.3	2328.2	2347.3	2333.8	2320.4	2333.8	2347.3	2328.2
17.5°	1871.4	1869.6	1866.9	1873.2	1888.4	1900.2	1901.6	1903.0	1901.6	1900.2	1888.4
20°	1591.2	1592.4	1594.5	1602.0	1614.8	1625.0	1627.1	1629.2	1627.1	1625.0	1614.8
22.5°	1365.4	1368.8	1374.0	1378.9	1383.3	1387.6	1391.1	1394.6	1391.1	1387.6	1383.3
25°	1084.3	1080.5	1073.3	1073.9	1082.3	1091.4	1102.8	1114.1	1102.8	1091.4	1082.3
27.5°	879.9	879.0	878.2	881.4	888.5	893.9	894.1	894.3	894.1	893.9	888.5
30°	771.7	772.3	772.0	775.3	782.2	787.9	790.0	792.1	790.0	787.9	782.2
32.5°	680.8	682.9	684.5	689.6	698.1	704.1	702.6	701.2	702.6	704.1	698.1
35°	557.8	561.4	565.9	571.4	578.0	583.0	583.0	583.0	583.0	583.0	578.0
37.5°	446.8	452.2	458.5	464.0	468.6	472.3	472.8	473.4	472.8	472.3	468.6
40°	375.0	381.7	389.5	394.8	397.8	400.4	401.9	403.4	401.9	400.4	397.8
42.5°	307.4	314.4	322.2	327.6	330.6	331.8	327.8	323.8	327.8	331.8	330.6
45°	206.5	219.9	228.8	232.1	229.7	223.8	207.0	190.3	207.0	223.8	229.7
47.5°	97.1	120.3	143.9	148.5	134.0	118.6	100.2	81.8	100.2	118.6	134.0
50°	47.9	72.6	102.2	106.5	85.6	66.3	52.0	37.7	52.0	66.3	85.6
52.5°	28.1	48.6	74.1	76.1	54.4	36.4	29.2	22.1	29.2	36.4	54.4
55°	11.6	22.2	35.6	36.2	24.0	14.2	11.8	9.4	11.8	14.2	24.0
57.5°	5.0	8.8	13.6	13.9	9.6	6.1	4.8	3.5	4.8	6.1	9.6
60°	1.9	3.8	6.2	6.4	4.3	2.5	1.9	1.3	1.9	2.5	4.3
62.5°	0.9	1.8	3.0	3.1	1.9	1.0	0.6	0.3	0.6	1.0	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°	4.2	4.0	4.0	3.8	3.2	2.4	1.4	0.6	1.4	2.2	3.6
90°	21.0	20.0	20.0	19.0	16.0	12.0	7.0	3.0	7.0	11.0	18.0
92.5°	25.0	24.8	23.2	21.4	17.6	17.6	17.4	11.0	19.0	27.0	38.8
95°	23.0	23.0	27.0	34.0	49.9	50.9	34.0	31.0	44.0	61.9	77.9
97.5°	62.1	73.9	90.7	93.9	88.9	66.3	63.5	59.1	80.5	98.3	124.1
100°	114.9	129.9	141.9	117.9	92.9	91.9	85.9	83.9	106.9	123.9	148.8
102.5°	179.6	184.2	142.7	129.1	123.3	119.1	109.9	108.7	131.7	155.0	176.0
105°	194.8	174.8	175.8	175.8	171.8	163.8	146.8	145.8	171.8	198.8	224.8
107.5°	229.2	232.2	237.4	236.2	231.6	210.2	190.2	185.6	209.0	241.4	269.9
110°	274.7	277.7	279.7	277.7	270.7	243.7	219.8	212.8	233.8	267.7	298.7



TEST NUMBER: P1427604

CATALOG NUMBER: SQ2W-BBN-K-075U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	318.7	320.9	325.3	319.3	307.5	276.5	249.3	239.2	260.1	294.9	326.7
115°	388.6	388.6	389.6	386.6	362.6	330.7	294.7	279.7	297.7	329.7	364.6
117.5°	457.3	458.5	454.5	446.5	418.8	381.6	341.2	317.3	331.5	365.2	401.2
120°	500.5	502.5	498.5	486.5	459.5	417.6	371.6	343.6	354.6	387.6	423.6
122.5°	545.2	544.8	540.0	526.5	494.7	451.1	406.0	371.6	376.2	406.8	441.9
125°	607.4	606.4	602.4	586.4	553.4	508.5	455.5	413.6	407.6	433.6	469.5
127.5°	666.5	664.3	658.1	638.7	605.0	561.6	503.5	455.9	442.5	458.9	491.9
130°	707.3	704.3	693.3	672.3	639.3	598.4	539.4	485.5	466.5	476.5	505.5
132.5°	746.4	737.8	728.4	705.9	675.3	632.7	573.0	516.7	490.5	494.9	517.5
135°	796.2	788.2	776.2	754.2	725.3	683.3	623.4	562.4	526.5	522.5	535.4
137.5°	839.9	831.5	818.0	799.0	769.8	732.4	674.9	610.6	565.2	551.8	556.8
140°	867.1	857.1	845.1	826.1	800.2	761.2	705.3	643.3	592.4	573.4	570.4
142.5°	889.5	881.9	869.1	851.7	828.9	790.0	735.6	674.5	620.4	595.8	588.8
145°	923.0	917.1	903.1	887.1	868.1	829.1	779.2	718.3	664.3	632.3	617.4
147.5°	951.4	946.6	935.6	916.9	900.9	863.5	818.0	764.0	708.7	669.1	649.7
150°	969.0	965.0	954.0	936.0	920.1	885.1	841.1	791.2	738.2	696.3	671.3
152.5°	985.8	981.8	969.2	951.2	937.6	905.1	865.1	817.6	763.8	721.9	696.1
155°	1008.0	1003.0	991.0	974.0	962.0	932.0	895.1	853.1	807.2	763.2	734.2
157.5°	1025.5	1019.3	1008.2	993.6	980.8	953.2	921.0	884.9	844.7	802.8	773.2
160°	1035.9	1028.9	1017.0	1004.0	992.0	966.0	937.0	904.1	867.1	829.1	797.2
162.5°	1043.1	1036.9	1022.5	1011.2	1000.8	977.2	949.8	920.1	887.1	853.9	824.3
165°	1050.9	1043.9	1028.9	1019.9	1011.0	991.0	967.0	943.0	915.1	888.1	864.1
167.5°	1051.5	1045.7	1030.7	1021.9	1015.4	998.2	978.8	960.4	938.6	917.5	897.5
170°	1049.9	1044.9	1029.9	1021.9	1017.0	1003.0	986.0	970.0	953.0	935.0	919.1
172.5°	1044.3	1039.3	1025.1	1018.7	1016.2	1003.8	990.0	978.0	963.4	950.2	937.4
175°	1029.9	1025.9	1014.0	1010.0	1011.0	1003.0	993.0	986.0	977.0	969.0	962.0
177.5°	1009.0	1006.6	997.8	997.8	1001.0	996.2	993.0	989.8	985.8	983.4	981.0
180°	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0



TEST NUMBER: P1427604

CATALOG NUMBER: SQ2W-BBN-K-075U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0	3731.0
2.5°	3689.8	3689.2	3702.3	3711.2	3707.1	3703.1	3707.1	3711.2	3702.3	3689.2	3689.8
5°	3553.7	3557.8	3577.3	3592.1	3593.3	3594.5	3593.3	3592.1	3577.3	3557.8	3553.7
7.5°	3279.5	3285.0	3306.5	3322.0	3319.7	3317.4	3319.7	3322.0	3306.5	3285.0	3279.5
10°	3050.5	3053.5	3060.7	3064.0	3056.0	3047.9	3056.0	3064.0	3060.7	3053.5	3050.5
12.5°	2757.0	2754.6	2765.4	2774.3	2777.7	2781.1	2777.7	2774.3	2765.4	2754.6	2757.0
15°	2298.3	2290.6	2304.9	2315.6	2315.3	2315.0	2315.3	2315.6	2304.9	2290.6	2298.3
17.5°	1873.2	1866.9	1869.6	1871.4	1870.5	1869.6	1870.5	1871.4	1869.6	1866.9	1873.2
20°	1602.0	1594.5	1592.4	1591.2	1592.7	1594.2	1592.7	1591.2	1592.4	1594.5	1602.0
22.5°	1378.9	1374.0	1368.8	1365.4	1367.4	1369.4	1367.4	1365.4	1368.8	1374.0	1378.9
25°	1073.9	1073.3	1080.5	1084.3	1078.0	1071.8	1078.0	1084.3	1080.5	1073.3	1073.9
27.5°	881.4	878.2	879.0	879.9	881.1	882.3	881.1	879.9	879.0	878.2	881.4
30°	775.3	772.0	772.3	771.7	768.1	764.5	768.1	771.7	772.3	772.0	775.3
32.5°	689.6	684.5	682.9	680.8	677.2	673.6	677.2	680.8	682.9	684.5	689.6
35°	571.4	565.9	561.4	557.8	557.0	556.1	557.0	557.8	561.4	565.9	571.4
37.5°	464.0	458.5	452.2	446.8	444.5	442.2	444.5	446.8	452.2	458.5	464.0
40°	394.8	389.5	381.7	375.0	371.8	368.5	371.8	375.0	381.7	389.5	394.8
42.5°	327.6	322.2	314.4	307.4	302.4	297.5	302.4	307.4	314.4	322.2	327.6
45°	232.1	228.8	219.9	206.5	179.9	153.3	179.9	206.5	219.9	228.8	232.1
47.5°	148.5	143.9	120.3	97.1	75.0	52.8	75.0	97.1	120.3	143.9	148.5
50°	106.5	102.2	72.6	47.9	37.7	27.6	37.7	47.9	72.6	102.2	106.5
52.5°	76.1	74.1	48.6	28.1	22.7	17.3	22.7	28.1	48.6	74.1	76.1
55°	36.2	35.6	22.2	11.6	9.5	7.4	9.5	11.6	22.2	35.6	36.2
57.5°	13.9	13.6	8.8	5.0	3.9	2.8	3.9	5.0	8.8	13.6	13.9
60°	6.4	6.2	3.8	1.9	1.3	0.7	1.3	1.9	3.8	6.2	6.4
62.5°	3.1	3.0	1.8	0.9	0.5	0.1	0.5	0.9	1.8	3.0	3.1
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°	4.6	6.0	7.4	8.2	9.0	8.6	9.0	8.2	7.4	6.0	4.6
90°	23.0	30.0	37.0	41.0	45.0	43.0	45.0	41.0	37.0	30.0	23.0
92.5°	46.2	57.9	66.5	73.7	76.9	76.5	76.9	73.7	66.5	57.9	46.2
95°	92.9	106.9	120.9	130.9	136.9	134.9	136.9	130.9	120.9	106.9	92.9
97.5°	143.3	162.0	177.6	187.0	193.0	197.0	193.0	187.0	177.6	162.0	143.3
100°	176.8	194.8	212.8	223.8	233.8	237.8	233.8	223.8	212.8	194.8	176.8
102.5°	204.0	227.6	247.1	258.9	267.3	271.3	267.3	258.9	247.1	227.6	204.0
105°	248.7	273.7	294.7	309.7	318.7	321.7	318.7	309.7	294.7	273.7	248.7
107.5°	293.5	319.3	338.7	355.2	366.2	372.6	366.2	355.2	338.7	319.3	293.5
110°	328.7	349.6	370.6	385.6	396.6	400.6	396.6	385.6	370.6	349.6	328.7



TEST NUMBER: P1427604

CATALOG NUMBER: SQ2W-BBN-K-075U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	358.2	381.6	402.6	417.6	430.2	435.8	430.2	417.6	402.6	381.6	358.2
115°	399.6	430.6	449.5	463.5	472.5	477.5	472.5	463.5	449.5	430.6	399.6
117.5°	434.0	466.3	487.1	497.9	502.1	505.7	502.1	497.9	487.1	466.3	434.0
120°	455.5	485.5	509.5	523.5	528.5	530.5	528.5	523.5	509.5	485.5	455.5
122.5°	475.5	503.9	527.1	544.2	552.4	554.4	552.4	544.2	527.1	503.9	475.5
125°	503.5	530.5	554.4	571.4	580.4	585.4	580.4	571.4	554.4	530.5	503.5
127.5°	527.9	557.0	579.0	594.4	603.2	607.2	603.2	594.4	579.0	557.0	527.9
130°	541.4	571.4	593.4	610.4	618.4	622.4	618.4	610.4	593.4	571.4	541.4
132.5°	551.8	583.4	606.2	621.6	630.3	634.3	630.3	621.6	606.2	583.4	551.8
135°	564.4	597.4	621.4	636.3	644.3	648.3	644.3	636.3	621.4	597.4	564.4
137.5°	575.4	605.4	630.3	646.1	653.3	655.9	653.3	646.1	630.3	605.4	575.4
140°	583.4	609.4	634.3	649.3	657.3	658.3	657.3	649.3	634.3	609.4	583.4
142.5°	593.8	614.2	635.9	650.9	658.9	660.7	658.9	650.9	635.9	614.2	593.8
145°	612.4	624.4	639.3	653.3	660.3	662.3	660.3	653.3	639.3	624.4	612.4
147.5°	635.7	639.5	647.3	656.5	663.3	664.7	663.3	656.5	647.3	639.5	635.7
150°	653.3	652.3	655.3	661.3	667.3	666.3	667.3	661.3	655.3	652.3	653.3
152.5°	673.3	667.5	667.3	670.1	672.9	672.7	672.9	670.1	667.3	667.5	673.3
155°	707.3	696.3	690.3	688.3	688.3	687.3	688.3	688.3	690.3	696.3	707.3
157.5°	744.6	729.2	720.3	715.5	714.1	711.9	714.1	715.5	720.3	729.2	744.6
160°	770.2	753.2	744.2	736.2	733.2	730.2	733.2	736.2	744.2	753.2	770.2
162.5°	794.2	778.0	768.2	761.0	758.0	753.4	758.0	761.0	768.2	778.0	794.2
165°	833.1	816.2	805.2	799.2	795.2	791.2	795.2	799.2	805.2	816.2	833.1
167.5°	872.1	853.5	846.3	839.5	835.7	828.5	835.7	839.5	846.3	853.5	872.1
170°	896.1	879.1	875.1	869.1	862.1	854.1	862.1	869.1	875.1	879.1	896.1
172.5°	916.9	905.5	901.5	895.5	893.3	886.9	893.3	895.5	901.5	905.5	916.9
175°	947.0	938.0	938.0	937.0	934.0	928.0	934.0	937.0	938.0	938.0	947.0
177.5°	972.2	967.4	970.6	970.6	969.8	964.2	969.8	970.6	970.6	967.4	972.2
180°	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0



TEST NUMBER: P1427604

CATALOG NUMBER: SQ2W-BBN-K-075U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	3731.0	3731.0	3731.0	3731.0
2.5°	3704.1	3716.4	3722.7	3728.9
5°	3564.7	3575.2	3583.8	3592.5
7.5°	3290.0	3297.2	3294.4	3291.6
10°	3051.7	3052.1	3050.0	3047.9
12.5°	2772.5	2782.1	2773.8	2765.5
15°	2328.2	2347.3	2333.8	2320.4
17.5°	1888.4	1900.2	1901.6	1903.0
20°	1614.8	1625.0	1627.1	1629.2
22.5°	1383.3	1387.6	1391.1	1394.6
25°	1082.3	1091.4	1102.8	1114.1
27.5°	888.5	893.9	894.1	894.3
30°	782.2	787.9	790.0	792.1
32.5°	698.1	704.1	702.6	701.2
35°	578.0	583.0	583.0	583.0
37.5°	468.6	472.3	472.8	473.4
40°	397.8	400.4	401.9	403.4
42.5°	330.6	331.8	327.8	323.8
45°	229.7	223.8	207.0	190.3
47.5°	134.0	118.6	100.2	81.8
50°	85.6	66.3	52.0	37.7
52.5°	54.4	36.4	29.2	22.1
55°	24.0	14.2	11.8	9.4
57.5°	9.6	6.1	4.8	3.5
60°	4.3	2.5	1.9	1.3
62.5°	1.9	1.0	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°	3.6	2.2	1.4	0.6
90°	18.0	11.0	7.0	3.0
92.5°	38.8	27.0	19.0	11.0
95°	77.9	61.9	44.0	31.0
97.5°	124.1	98.3	80.5	59.1
100°	148.8	123.9	106.9	83.9
102.5°	176.0	155.0	131.7	108.7
105°	224.8	198.8	171.8	145.8
107.5°	269.9	241.4	209.0	185.6
110°	298.7	267.7	233.8	212.8



TEST NUMBER: P1427604

CATALOG NUMBER: SQ2W-BBN-K-075U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	326.7	294.9	260.1	239.2
115°	364.6	329.7	297.7	279.7
117.5°	401.2	365.2	331.5	317.3
120°	423.6	387.6	354.6	343.6
122.5°	441.9	406.8	376.2	371.6
125°	469.5	433.6	407.6	413.6
127.5°	491.9	458.9	442.5	455.9
130°	505.5	476.5	466.5	485.5
132.5°	517.5	494.9	490.5	516.7
135°	535.4	522.5	526.5	562.4
137.5°	556.8	551.8	565.2	610.6
140°	570.4	573.4	592.4	643.3
142.5°	588.8	595.8	620.4	674.5
145°	617.4	632.3	664.3	718.3
147.5°	649.7	669.1	708.7	764.0
150°	671.3	696.3	738.2	791.2
152.5°	696.1	721.9	763.8	817.6
155°	734.2	763.2	807.2	853.1
157.5°	773.2	802.8	844.7	884.9
160°	797.2	829.1	867.1	904.1
162.5°	824.3	853.9	887.1	920.1
165°	864.1	888.1	915.1	943.0
167.5°	897.5	917.5	938.6	960.4
170°	919.1	935.0	953.0	970.0
172.5°	937.4	950.2	963.4	978.0
175°	962.0	969.0	977.0	986.0
177.5°	981.0	983.4	985.8	989.8
180°	989.0	989.0	989.0	989.0



TEST NUMBER: P1427604
 CATALOG NUMBER: SQ2W-BBN-K-075U-050D-L935-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	0.00	0.00	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