

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: P1427589

Luminaire Tested: SQ2W-BBN-K-025U-125D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427589
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-025U-125D-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 1250 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

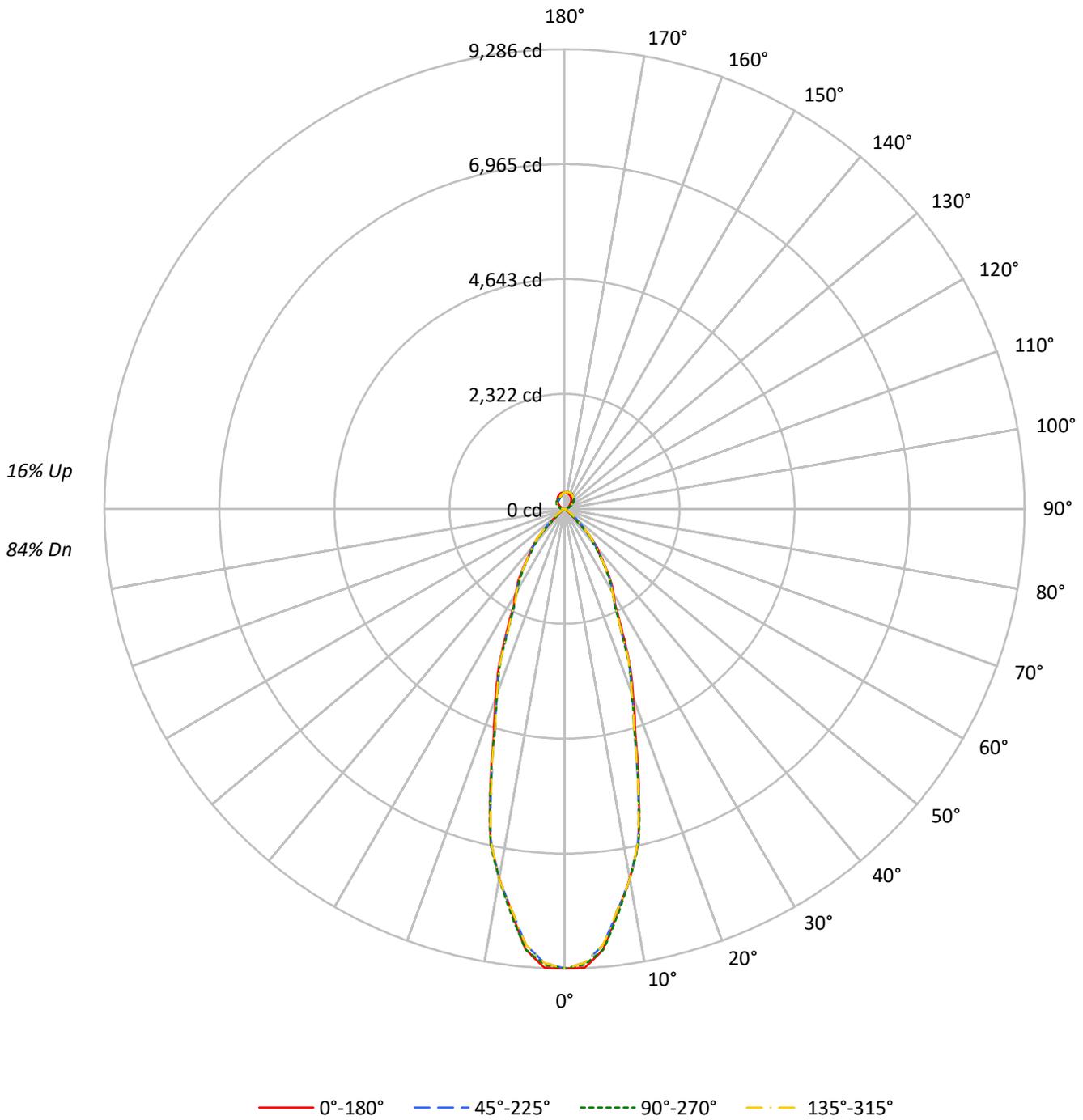
Lumens per Lamp: N/A
Luminaire Lumens: 5988.9 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.62
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 57.3
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: P1427589

CATALOG NUMBER: SQ2W-BBN-K-025U-125D-L935-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	115	115	115	115	111	111	111	111	102	102	102	94	94	94	87	87	87	84
1	109	107	104	102	105	103	101	99	96	94	93	89	88	87	83	83	82	79
2	104	99	95	91	100	96	92	89	90	87	84	84	82	80	79	78	76	74
3	98	92	87	83	95	89	85	81	84	81	78	80	77	74	75	73	71	69
4	93	86	80	76	90	83	78	74	79	75	72	75	72	69	72	69	67	65
5	88	80	74	70	86	78	73	69	74	70	67	71	68	65	68	65	63	61
6	84	75	69	65	81	73	68	64	70	66	62	67	64	61	65	61	59	57
7	80	71	65	60	77	69	64	60	66	62	58	64	60	57	61	58	56	54
8	76	67	61	57	74	65	60	56	63	58	55	61	57	54	59	55	53	51
9	72	63	57	53	71	62	57	53	60	55	52	58	54	51	56	52	50	48
10	69	60	54	50	67	59	53	50	57	52	49	55	51	48	53	50	47	46

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	149931	149931	149931	149931
5°	144917	144998	144917	144998
10°	124368	124368	124368	124368
15°	96533	96309	96533	96309
20°	69670	68174	69670	68174
25°	49400	47521	49400	47521
30°	36753	35474	36753	35474
35°	28597	27279	28597	27279
40°	21163	19329	21163	19329
45°	10814	8713	10814	8713
50°	2354	1723	2354	1723
55°	659	518	659	518
60°	107	55	107	55
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: 13191 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	803.0	13.4
10°-20°	1583.2	26.4
20°-30°	1277.1	21.3
30°-40°	887.2	14.8
40°-50°	409.8	6.8
50°-60°	57.4	1.0
60°-70°	2.0	0.0
70°-80°	0.0	0.0
80°-90°	1.8	0.0
90°-100°	26.4	0.4
100°-110°	76.9	1.3
110°-120°	125.6	2.1
120°-130°	159.3	2.7
130°-140°	170.5	2.8
140°-150°	159.2	2.7
150°-160°	131.0	2.2
160°-170°	87.9	1.5
170°-180°	31.2	0.5
0°-30°	3663.3	61.2
0°-40°	4550.4	76.0
0°-60°	5017.6	83.8
0°-90°	5021.3	83.8
90°-120°	228.9	3.8
90°-150°	717.9	12.0
90°-180°	968.0	16.2
0°-180°	5988.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	9286	9286	9286	9286	9286	
5°	8942	8946	8942	8946	8942	804
15°	5775	5762	5775	5762	5775	1590
25°	2773	2668	2773	2668	2773	1298
35°	1451	1384	1451	1384	1451	908
45°	474	382	474	382	474	383
55°	23	18	23	18	23	30
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	1	7	1	14	1	1
95°	10	8	10	45	10	13
105°	49	78	49	108	49	52
115°	94	130	94	160	94	92
125°	139	206	139	196	139	124
135°	188	270	188	217	188	146
145°	241	311	241	222	241	151
155°	286	338	286	230	286	131
165°	316	352	316	265	316	89
175°	330	345	330	311	330	31
180°	332	332	332	332	332	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2
2.5°	9280.8	9265.4	9249.9	9219.3	9183.6	9182.1	9214.8	9236.8	9226.7	9216.6	9226.7
5°	8941.5	8919.9	8898.3	8872.3	8844.8	8855.2	8903.5	8940.5	8943.5	8946.5	8943.5
7.5°	8192.4	8199.4	8206.4	8188.5	8162.3	8176.0	8229.6	8268.3	8262.5	8256.7	8262.5
10°	7585.9	7591.1	7596.3	7595.4	7592.4	7599.9	7617.7	7626.1	7606.0	7585.9	7606.0
12.5°	6883.1	6903.7	6924.4	6900.6	6861.9	6856.0	6882.7	6904.9	6913.4	6921.9	6913.4
15°	5775.2	5808.7	5842.2	5794.7	5720.4	5701.0	5736.7	5763.3	5762.6	5761.8	5762.6
17.5°	4736.3	4732.9	4729.5	4700.2	4662.2	4646.6	4653.3	4657.8	4655.5	4653.3	4655.5
20°	4054.9	4049.7	4044.5	4019.2	3987.2	3968.6	3963.4	3960.4	3964.1	3967.8	3964.1
22.5°	3471.2	3462.4	3453.6	3443.0	3431.9	3419.8	3406.9	3398.4	3403.3	3408.2	3403.3
25°	2773.0	2744.7	2716.4	2693.8	2672.9	2671.4	2689.3	2698.8	2683.2	2667.5	2683.2
27.5°	2225.7	2225.3	2224.8	2211.5	2193.8	2185.9	2187.8	2190.0	2193.0	2196.0	2193.0
30°	1971.4	1966.2	1961.0	1946.8	1929.7	1921.5	1922.3	1920.6	1911.7	1902.8	1911.7
32.5°	1745.1	1748.8	1752.6	1737.5	1716.3	1703.6	1699.6	1694.4	1685.4	1676.5	1685.4
35°	1450.9	1450.9	1450.9	1438.6	1422.3	1408.5	1397.4	1388.4	1386.2	1384.0	1386.2
37.5°	1178.1	1176.8	1175.5	1166.4	1154.8	1141.1	1125.4	1112.1	1106.3	1100.5	1106.3
40°	1004.1	1000.4	996.7	990.1	982.7	969.3	950.0	933.4	925.3	917.1	925.3
42.5°	806.0	815.9	825.9	822.8	815.4	802.0	782.6	765.0	752.7	740.4	752.7
45°	473.6	515.2	556.9	571.8	577.7	569.5	547.2	513.9	447.8	381.6	447.8
47.5°	203.5	249.3	295.1	333.6	369.6	358.2	299.4	241.6	186.6	131.5	186.6
50°	93.7	129.4	165.1	213.1	265.2	254.4	180.7	119.2	93.9	68.6	93.9
52.5°	54.9	72.7	90.6	135.4	189.3	184.5	120.9	70.0	56.6	43.2	56.6
55°	23.4	29.4	35.3	59.7	90.2	88.7	55.2	28.8	23.6	18.4	23.6
57.5°	8.7	12.0	15.2	24.0	34.5	33.9	22.0	12.4	9.7	7.0	9.7
60°	3.3	4.8	6.3	10.6	15.8	15.4	9.5	4.6	3.2	1.7	3.2
62.5°	0.7	1.6	2.5	4.8	7.6	7.5	4.6	2.1	1.2	0.3	1.2
65°	0.0	0.0	0.0	0.6	1.3	1.3	0.6	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°	0.2	0.5	0.8	1.1	1.3	1.3	1.3	1.4	1.5	1.5	1.5
90°	1.0	2.3	4.0	5.4	6.4	6.7	6.7	7.0	7.4	7.4	7.4
92.5°	3.7	5.8	5.9	5.9	7.2	7.8	8.3	8.4	8.7	8.7	8.7
95°	10.4	11.4	17.1	16.7	11.4	9.0	7.7	7.7	7.7	7.7	7.7
97.5°	19.8	21.3	22.2	29.8	31.5	30.4	24.8	20.8	18.6	17.6	18.6
100°	28.1	28.8	30.8	31.1	39.5	47.6	43.5	38.5	36.8	35.8	36.8
102.5°	36.4	36.8	39.9	41.3	43.3	47.8	61.8	60.2	59.1	58.9	59.1
105°	48.9	49.2	54.9	57.6	58.9	58.9	58.6	65.3	76.0	78.4	76.0
107.5°	62.2	63.8	70.5	77.6	79.2	79.6	77.8	76.8	76.4	76.7	76.4
110°	71.3	73.7	81.7	90.8	93.1	93.8	93.1	92.1	91.4	91.4	91.4



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	80.2	83.6	92.7	103.1	107.0	109.0	107.6	106.8	106.2	106.7	106.2
115°	93.8	98.8	110.8	121.6	129.6	130.6	130.3	130.3	129.9	129.9	129.9
117.5°	106.4	114.4	127.9	140.4	149.7	152.4	153.7	153.3	152.9	153.6	152.9
120°	115.2	124.6	140.0	154.0	163.1	167.1	168.4	167.8	168.4	167.8	168.4
122.5°	124.6	136.1	151.2	165.8	176.5	181.0	182.6	182.8	182.9	182.5	182.9
125°	138.6	152.7	170.5	185.5	196.6	201.9	203.3	203.6	204.3	206.0	204.3
127.5°	152.8	168.8	188.3	202.8	214.1	220.6	222.7	223.4	224.8	225.6	224.8
130°	162.8	180.8	200.6	214.3	225.4	232.4	236.1	237.1	238.8	238.4	238.8
132.5°	173.2	192.1	212.1	226.4	236.6	244.2	247.3	250.2	250.8	251.3	250.8
135°	188.5	209.0	229.1	243.1	252.8	260.2	264.2	266.9	268.6	269.6	268.6
137.5°	204.7	226.2	245.5	258.1	267.8	274.2	278.8	281.6	283.3	284.1	283.3
140°	215.7	236.4	255.2	268.2	276.9	283.3	287.3	290.7	292.7	292.7	292.7
142.5°	226.1	246.6	264.8	277.9	285.5	291.3	295.6	298.2	300.5	300.5	300.5
145°	240.8	261.2	277.9	291.0	297.4	302.7	307.4	309.4	310.8	310.8	310.8
147.5°	256.1	274.2	289.5	302.0	307.4	313.6	317.3	318.9	320.6	319.9	320.6
150°	265.2	282.0	296.7	308.4	313.8	319.8	323.5	324.8	326.5	325.5	326.5
152.5°	274.1	290.0	303.4	314.3	318.9	324.9	329.1	330.5	331.6	330.9	331.6
155°	286.0	300.1	312.4	322.5	326.5	332.2	336.2	337.9	339.2	337.6	339.2
157.5°	296.6	308.8	319.5	328.8	333.1	338.0	341.7	343.8	345.1	344.4	345.1
160°	303.1	314.1	323.8	332.5	336.6	340.9	344.9	347.3	348.6	347.6	348.6
162.5°	308.4	318.4	327.6	335.5	339.0	342.8	347.6	349.7	351.0	349.7	351.0
165°	316.1	324.2	332.2	338.9	341.9	344.9	349.9	352.3	353.3	352.0	353.3
167.5°	322.0	328.1	334.6	340.4	342.6	345.5	350.6	352.5	353.8	352.1	353.8
170°	325.2	330.5	336.2	340.9	342.6	345.3	350.3	352.0	353.0	351.3	353.0
172.5°	327.8	331.9	336.5	340.6	341.5	343.7	348.4	350.1	350.8	349.4	350.8
175°	330.5	332.9	336.2	338.9	338.6	339.9	343.9	345.3	346.6	344.6	346.6
177.5°	331.8	332.9	333.9	335.5	334.5	334.5	337.4	338.2	338.5	337.4	338.5
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2
2.5°	9236.8	9214.8	9182.1	9183.6	9219.3	9249.9	9265.4	9280.8	9265.4	9249.9	9219.3
5°	8940.5	8903.5	8855.2	8844.8	8872.3	8898.3	8919.9	8941.5	8919.9	8898.3	8872.3
7.5°	8268.3	8229.6	8176.0	8162.3	8188.5	8206.4	8199.4	8192.4	8199.4	8206.4	8188.5
10°	7626.1	7617.7	7599.9	7592.4	7595.4	7596.3	7591.1	7585.9	7591.1	7596.3	7595.4
12.5°	6904.9	6882.7	6856.0	6861.9	6900.6	6924.4	6903.7	6883.1	6903.7	6924.4	6900.6
15°	5763.3	5736.7	5701.0	5720.4	5794.7	5842.2	5808.7	5775.2	5808.7	5842.2	5794.7
17.5°	4657.8	4653.3	4646.6	4662.2	4700.2	4729.5	4732.9	4736.3	4732.9	4729.5	4700.2
20°	3960.4	3963.4	3968.6	3987.2	4019.2	4044.5	4049.7	4054.9	4049.7	4044.5	4019.2
22.5°	3398.4	3406.9	3419.8	3431.9	3443.0	3453.6	3462.4	3471.2	3462.4	3453.6	3443.0
25°	2698.8	2689.3	2671.4	2672.9	2693.8	2716.4	2744.7	2773.0	2744.7	2716.4	2693.8
27.5°	2190.0	2187.8	2185.9	2193.8	2211.5	2224.8	2225.3	2225.7	2225.3	2224.8	2211.5
30°	1920.6	1922.3	1921.5	1929.7	1946.8	1961.0	1966.2	1971.4	1966.2	1961.0	1946.8
32.5°	1694.4	1699.6	1703.6	1716.3	1737.5	1752.6	1748.8	1745.1	1748.8	1752.6	1737.5
35°	1388.4	1397.4	1408.5	1422.3	1438.6	1450.9	1450.9	1450.9	1450.9	1450.9	1438.6
37.5°	1112.1	1125.4	1141.1	1154.8	1166.4	1175.5	1176.8	1178.1	1176.8	1175.5	1166.4
40°	933.4	950.0	969.3	982.7	990.1	996.7	1000.4	1004.1	1000.4	996.7	990.1
42.5°	765.0	782.6	802.0	815.4	822.8	825.9	815.9	806.0	815.9	825.9	822.8
45°	513.9	547.2	569.5	577.7	571.8	556.9	515.2	473.6	515.2	556.9	571.8
47.5°	241.6	299.4	358.2	369.6	333.6	295.1	249.3	203.5	249.3	295.1	333.6
50°	119.2	180.7	254.4	265.2	213.1	165.1	129.4	93.7	129.4	165.1	213.1
52.5°	70.0	120.9	184.5	189.3	135.4	90.6	72.7	54.9	72.7	90.6	135.4
55°	28.8	55.2	88.7	90.2	59.7	35.3	29.4	23.4	29.4	35.3	59.7
57.5°	12.4	22.0	33.9	34.5	24.0	15.2	12.0	8.7	12.0	15.2	24.0
60°	4.6	9.5	15.4	15.8	10.6	6.3	4.8	3.3	4.8	6.3	10.6
62.5°	2.1	4.6	7.5	7.6	4.8	2.5	1.6	0.7	1.6	2.5	4.8
65°	0.0	0.6	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.6
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°	1.4	1.3	1.3	1.3	1.1	0.8	0.5	0.2	0.5	0.7	1.2
90°	7.0	6.7	6.7	6.4	5.4	4.0	2.3	1.0	2.3	3.7	6.0
92.5°	8.4	8.3	7.8	7.2	5.9	5.9	5.8	3.7	6.4	9.0	13.0
95°	7.7	7.7	9.0	11.4	16.7	17.1	11.4	10.4	14.7	20.8	26.1
97.5°	20.8	24.8	30.4	31.5	29.8	22.2	21.3	19.8	27.0	33.0	41.6
100°	38.5	43.5	47.6	39.5	31.1	30.8	28.8	28.1	35.8	41.5	49.9
102.5°	60.2	61.8	47.8	43.3	41.3	39.9	36.8	36.4	44.1	52.0	59.0
105°	65.3	58.6	58.9	58.9	57.6	54.9	49.2	48.9	57.6	66.6	75.3
107.5°	76.8	77.8	79.6	79.2	77.6	70.5	63.8	62.2	70.1	80.9	90.5
110°	92.1	93.1	93.8	93.1	90.8	81.7	73.7	71.3	78.4	89.7	100.1



TEST NUMBER: P1427589

CATALOG NUMBER: SQ2W-BBN-K-025U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	106.8	107.6	109.0	107.0	103.1	92.7	83.6	80.2	87.2	98.9	109.5
115°	130.3	130.3	130.6	129.6	121.6	110.8	98.8	93.8	99.8	110.5	122.2
117.5°	153.3	153.7	152.4	149.7	140.4	127.9	114.4	106.4	111.1	122.4	134.5
120°	167.8	168.4	167.1	163.1	154.0	140.0	124.6	115.2	118.9	129.9	142.0
122.5°	182.8	182.6	181.0	176.5	165.8	151.2	136.1	124.6	126.1	136.4	148.2
125°	203.6	203.3	201.9	196.6	185.5	170.5	152.7	138.6	136.6	145.3	157.4
127.5°	223.4	222.7	220.6	214.1	202.8	188.3	168.8	152.8	148.4	153.8	164.9
130°	237.1	236.1	232.4	225.4	214.3	200.6	180.8	162.8	156.4	159.7	169.4
132.5°	250.2	247.3	244.2	236.6	226.4	212.1	192.1	173.2	164.4	165.9	173.5
135°	266.9	264.2	260.2	252.8	243.1	229.1	209.0	188.5	176.5	175.1	179.5
137.5°	281.6	278.8	274.2	267.8	258.1	245.5	226.2	204.7	189.5	185.0	186.7
140°	290.7	287.3	283.3	276.9	268.2	255.2	236.4	215.7	198.6	192.2	191.2
142.5°	298.2	295.6	291.3	285.5	277.9	264.8	246.6	226.1	208.0	199.7	197.4
145°	309.4	307.4	302.7	297.4	291.0	277.9	261.2	240.8	222.7	212.0	207.0
147.5°	318.9	317.3	313.6	307.4	302.0	289.5	274.2	256.1	237.6	224.3	217.8
150°	324.8	323.5	319.8	313.8	308.4	296.7	282.0	265.2	247.5	233.4	225.0
152.5°	330.5	329.1	324.9	318.9	314.3	303.4	290.0	274.1	256.0	242.0	233.3
155°	337.9	336.2	332.2	326.5	322.5	312.4	300.1	286.0	270.6	255.8	246.1
157.5°	343.8	341.7	338.0	333.1	328.8	319.5	308.8	296.6	283.2	269.1	259.2
160°	347.3	344.9	340.9	336.6	332.5	323.8	314.1	303.1	290.7	277.9	267.2
162.5°	349.7	347.6	342.8	339.0	335.5	327.6	318.4	308.4	297.4	286.3	276.3
165°	352.3	349.9	344.9	341.9	338.9	332.2	324.2	316.1	306.7	297.7	289.7
167.5°	352.5	350.6	345.5	342.6	340.4	334.6	328.1	322.0	314.7	307.6	300.9
170°	352.0	350.3	345.3	342.6	340.9	336.2	330.5	325.2	319.5	313.4	308.1
172.5°	350.1	348.4	343.7	341.5	340.6	336.5	331.9	327.8	323.0	318.5	314.3
175°	345.3	343.9	339.9	338.6	338.9	336.2	332.9	330.5	327.5	324.8	322.5
177.5°	338.2	337.4	334.5	334.5	335.5	333.9	332.9	331.8	330.5	329.7	328.9
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



TEST NUMBER: P1427589

CATALOG NUMBER: SQ2W-BBN-K-025U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2	9286.2
2.5°	9183.6	9182.1	9214.8	9236.8	9226.7	9216.6	9226.7	9236.8	9214.8	9182.1	9183.6
5°	8844.8	8855.2	8903.5	8940.5	8943.5	8946.5	8943.5	8940.5	8903.5	8855.2	8844.8
7.5°	8162.3	8176.0	8229.6	8268.3	8262.5	8256.7	8262.5	8268.3	8229.6	8176.0	8162.3
10°	7592.4	7599.9	7617.7	7626.1	7606.0	7585.9	7606.0	7626.1	7617.7	7599.9	7592.4
12.5°	6861.9	6856.0	6882.7	6904.9	6913.4	6921.9	6913.4	6904.9	6882.7	6856.0	6861.9
15°	5720.4	5701.0	5736.7	5763.3	5762.6	5761.8	5762.6	5763.3	5736.7	5701.0	5720.4
17.5°	4662.2	4646.6	4653.3	4657.8	4655.5	4653.3	4655.5	4657.8	4653.3	4646.6	4662.2
20°	3987.2	3968.6	3963.4	3960.4	3964.1	3967.8	3964.1	3960.4	3963.4	3968.6	3987.2
22.5°	3431.9	3419.8	3406.9	3398.4	3403.3	3408.2	3403.3	3398.4	3406.9	3419.8	3431.9
25°	2672.9	2671.4	2689.3	2698.8	2683.2	2667.5	2683.2	2698.8	2689.3	2671.4	2672.9
27.5°	2193.8	2185.9	2187.8	2190.0	2193.0	2196.0	2193.0	2190.0	2187.8	2185.9	2193.8
30°	1929.7	1921.5	1922.3	1920.6	1911.7	1902.8	1911.7	1920.6	1922.3	1921.5	1929.7
32.5°	1716.3	1703.6	1699.6	1694.4	1685.4	1676.5	1685.4	1694.4	1699.6	1703.6	1716.3
35°	1422.3	1408.5	1397.4	1388.4	1386.2	1384.0	1386.2	1388.4	1397.4	1408.5	1422.3
37.5°	1154.8	1141.1	1125.4	1112.1	1106.3	1100.5	1106.3	1112.1	1125.4	1141.1	1154.8
40°	982.7	969.3	950.0	933.4	925.3	917.1	925.3	933.4	950.0	969.3	982.7
42.5°	815.4	802.0	782.6	765.0	752.7	740.4	752.7	765.0	782.6	802.0	815.4
45°	577.7	569.5	547.2	513.9	447.8	381.6	447.8	513.9	547.2	569.5	577.7
47.5°	369.6	358.2	299.4	241.6	186.6	131.5	186.6	241.6	299.4	358.2	369.6
50°	265.2	254.4	180.7	119.2	93.9	68.6	93.9	119.2	180.7	254.4	265.2
52.5°	189.3	184.5	120.9	70.0	56.6	43.2	56.6	70.0	120.9	184.5	189.3
55°	90.2	88.7	55.2	28.8	23.6	18.4	23.6	28.8	55.2	88.7	90.2
57.5°	34.5	33.9	22.0	12.4	9.7	7.0	9.7	12.4	22.0	33.9	34.5
60°	15.8	15.4	9.5	4.6	3.2	1.7	3.2	4.6	9.5	15.4	15.8
62.5°	7.6	7.5	4.6	2.1	1.2	0.3	1.2	2.1	4.6	7.5	7.6
65°	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.6	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°	1.5	2.0	2.5	2.7	3.0	2.9	3.0	2.7	2.5	2.0	1.5
90°	7.7	10.0	12.4	13.7	15.1	14.4	15.1	13.7	12.4	10.0	7.7
92.5°	15.5	19.4	22.3	24.7	25.8	25.7	25.8	24.7	22.3	19.4	15.5
95°	31.1	35.8	40.5	43.9	45.9	45.2	45.9	43.9	40.5	35.8	31.1
97.5°	48.0	54.3	59.5	62.7	64.7	66.0	64.7	62.7	59.5	54.3	48.0
100°	59.3	65.3	71.3	75.0	78.4	79.7	78.4	75.0	71.3	65.3	59.3
102.5°	68.4	76.3	82.8	86.8	89.6	91.0	89.6	86.8	82.8	76.3	68.4
105°	83.4	91.8	98.8	103.8	106.8	107.8	106.8	103.8	98.8	91.8	83.4
107.5°	98.4	107.0	113.5	119.1	122.8	124.9	122.8	119.1	113.5	107.0	98.4
110°	110.2	117.2	124.2	129.3	132.9	134.3	132.9	129.3	124.2	117.2	110.2



TEST NUMBER: P1427589

CATALOG NUMBER: SQ2W-BBN-K-025U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	120.1	127.9	135.0	140.0	144.2	146.1	144.2	140.0	135.0	127.9	120.1
115°	134.0	144.3	150.7	155.4	158.4	160.1	158.4	155.4	150.7	144.3	134.0
117.5°	145.5	156.3	163.3	166.9	168.3	169.5	168.3	166.9	163.3	156.3	145.5
120°	152.7	162.8	170.8	175.5	177.2	177.8	177.2	175.5	170.8	162.8	152.7
122.5°	159.4	168.9	176.7	182.4	185.2	185.9	185.2	182.4	176.7	168.9	159.4
125°	168.8	177.8	185.9	191.6	194.6	196.2	194.6	191.6	185.9	177.8	168.8
127.5°	176.9	186.7	194.1	199.3	202.2	203.5	202.2	199.3	194.1	186.7	176.9
130°	181.5	191.6	198.9	204.6	207.3	208.6	207.3	204.6	198.9	191.6	181.5
132.5°	185.0	195.6	203.2	208.4	211.3	212.6	211.3	208.4	203.2	195.6	185.0
135°	189.2	200.3	208.3	213.3	216.0	217.3	216.0	213.3	208.3	200.3	189.2
137.5°	192.9	202.9	211.3	216.6	219.0	219.9	219.0	216.6	211.3	202.9	192.9
140°	195.6	204.3	212.6	217.7	220.4	220.7	220.4	217.7	212.6	204.3	195.6
142.5°	199.1	205.9	213.2	218.2	220.9	221.5	220.9	218.2	213.2	205.9	199.1
145°	205.3	209.3	214.3	219.0	221.4	222.0	221.4	219.0	214.3	209.3	205.3
147.5°	213.1	214.4	217.0	220.1	222.4	222.8	222.4	220.1	217.0	214.4	213.1
150°	219.0	218.7	219.7	221.7	223.7	223.4	223.7	221.7	219.7	218.7	219.0
152.5°	225.7	223.8	223.7	224.6	225.6	225.5	225.6	224.6	223.7	223.8	225.7
155°	237.1	233.4	231.4	230.7	230.7	230.4	230.7	230.7	231.4	233.4	237.1
157.5°	249.6	244.5	241.4	239.8	239.4	238.6	239.4	239.8	241.4	244.5	249.6
160°	258.2	252.5	249.5	246.8	245.8	244.8	245.8	246.8	249.5	252.5	258.2
162.5°	266.2	260.8	257.5	255.1	254.1	252.6	254.1	255.1	257.5	260.8	266.2
165°	279.3	273.6	269.9	267.9	266.6	265.2	266.6	267.9	269.9	273.6	279.3
167.5°	292.3	286.1	283.7	281.4	280.2	277.7	280.2	281.4	283.7	286.1	292.3
170°	300.4	294.7	293.4	291.3	289.0	286.3	289.0	291.3	293.4	294.7	300.4
172.5°	307.4	303.5	302.2	300.2	299.4	297.3	299.4	300.2	302.2	303.5	307.4
175°	317.5	314.5	314.5	314.1	313.1	311.1	313.1	314.1	314.5	314.5	317.5
177.5°	325.9	324.3	325.4	325.4	325.1	323.2	325.1	325.4	325.4	324.3	325.9
180°	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5	331.5



TEST NUMBER: P1427589

CATALOG NUMBER: SQ2W-BBN-K-025U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	9286.2	9286.2	9286.2	9286.2
2.5°	9219.3	9249.9	9265.4	9280.8
5°	8872.3	8898.3	8919.9	8941.5
7.5°	8188.5	8206.4	8199.4	8192.4
10°	7595.4	7596.3	7591.1	7585.9
12.5°	6900.6	6924.4	6903.7	6883.1
15°	5794.7	5842.2	5808.7	5775.2
17.5°	4700.2	4729.5	4732.9	4736.3
20°	4019.2	4044.5	4049.7	4054.9
22.5°	3443.0	3453.6	3462.4	3471.2
25°	2693.8	2716.4	2744.7	2773.0
27.5°	2211.5	2224.8	2225.3	2225.7
30°	1946.8	1961.0	1966.2	1971.4
32.5°	1737.5	1752.6	1748.8	1745.1
35°	1438.6	1450.9	1450.9	1450.9
37.5°	1166.4	1175.5	1176.8	1178.1
40°	990.1	996.7	1000.4	1004.1
42.5°	822.8	825.9	815.9	806.0
45°	571.8	556.9	515.2	473.6
47.5°	333.6	295.1	249.3	203.5
50°	213.1	165.1	129.4	93.7
52.5°	135.4	90.6	72.7	54.9
55°	59.7	35.3	29.4	23.4
57.5°	24.0	15.2	12.0	8.7
60°	10.6	6.3	4.8	3.3
62.5°	4.8	2.5	1.6	0.7
65°	0.6	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°	1.2	0.7	0.5	0.2
90°	6.0	3.7	2.3	1.0
92.5°	13.0	9.0	6.4	3.7
95°	26.1	20.8	14.7	10.4
97.5°	41.6	33.0	27.0	19.8
100°	49.9	41.5	35.8	28.1
102.5°	59.0	52.0	44.1	36.4
105°	75.3	66.6	57.6	48.9
107.5°	90.5	80.9	70.1	62.2
110°	100.1	89.7	78.4	71.3

TEST NUMBER: P1427589

CATALOG NUMBER: SQ2W-BBN-K-025U-125D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	109.5	98.9	87.2	80.2
115°	122.2	110.5	99.8	93.8
117.5°	134.5	122.4	111.1	106.4
120°	142.0	129.9	118.9	115.2
122.5°	148.2	136.4	126.1	124.6
125°	157.4	145.3	136.6	138.6
127.5°	164.9	153.8	148.4	152.8
130°	169.4	159.7	156.4	162.8
132.5°	173.5	165.9	164.4	173.2
135°	179.5	175.1	176.5	188.5
137.5°	186.7	185.0	189.5	204.7
140°	191.2	192.2	198.6	215.7
142.5°	197.4	199.7	208.0	226.1
145°	207.0	212.0	222.7	240.8
147.5°	217.8	224.3	237.6	256.1
150°	225.0	233.4	247.5	265.2
152.5°	233.3	242.0	256.0	274.1
155°	246.1	255.8	270.6	286.0
157.5°	259.2	269.1	283.2	296.6
160°	267.2	277.9	290.7	303.1
162.5°	276.3	286.3	297.4	308.4
165°	289.7	297.7	306.7	316.1
167.5°	300.9	307.6	314.7	322.0
170°	308.1	313.4	319.5	325.2
172.5°	314.3	318.5	323.0	327.8
175°	322.5	324.8	327.5	330.5
177.5°	328.9	329.7	330.5	331.8
180°	331.5	331.5	331.5	331.5



TEST NUMBER: P1427589
 CATALOG NUMBER: SQ2W-BBN-K-025U-125D-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