

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1428347

Luminaire Tested: SQ2W-PW1-K-025U-050D-L830-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428347
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PW1-K-025U-050D-L830-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE WAVES LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

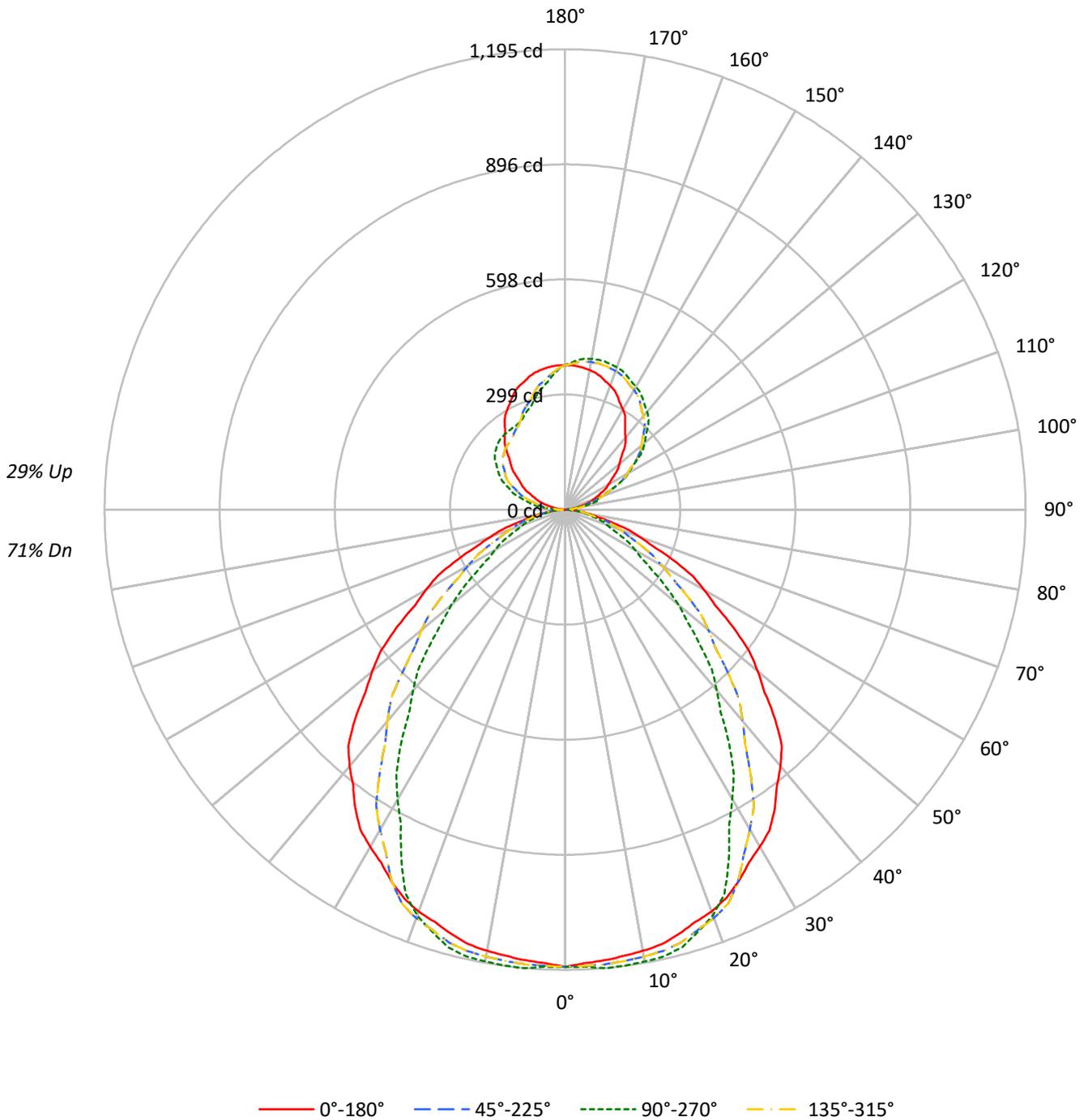
Lumens per Lamp: N/A
Luminaire Lumens: 3730.3 lumens
Efficiency: N/A
Efficacy: 147.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 25.3
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: P1428347

CATALOG NUMBER: SQ2W-PW1-K-025U-050D-L830-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428347

CATALOG NUMBER: SQ2W-PW1-K-025U-050D-L830-UNV-STD-W-WM-4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20				
RC	80					70					50					30				
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	112	112	112	112	106	106	106	106	95	95	95	85	85	85	75	75	75	71		
1	103	99	95	92	98	94	91	88	84	82	80	76	74	72	68	66	65	61		
2	95	88	82	77	89	83	78	73	75	71	67	68	64	62	61	58	56	53		
3	87	78	71	65	82	74	68	62	67	62	58	60	56	53	54	51	49	45		
4	80	69	62	56	76	66	59	54	60	54	50	54	50	46	49	46	43	40		
5	74	62	54	48	70	59	52	47	54	48	44	49	44	41	45	41	38	35		
6	68	56	48	42	65	54	46	41	49	43	39	45	40	36	41	37	33	31		
7	63	51	43	38	60	49	42	37	45	39	34	41	36	32	37	33	30	28		
8	59	47	39	34	56	45	38	33	41	35	31	38	33	29	35	30	27	25		
9	55	43	35	30	52	41	34	30	38	32	28	35	30	26	32	28	25	23		
10	52	40	32	28	49	38	31	27	35	29	25	32	27	24	30	26	23	21		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	19168	19168	19168	19168
5°	19040	19369	19040	19369
10°	19074	19537	19074	19537
15°	19069	19655	19069	19655
20°	19077	19271	19077	19271
25°	18974	17907	18974	17907
30°	18845	16188	18845	16188
35°	18697	14619	18697	14619
40°	18326	12916	18326	12916
45°	17607	11282	17607	11282
50°	16387	9655	16387	9655
55°	14989	7828	14989	7828
60°	13436	6755	13436	6755
65°	11748	6006	11748	6006
70°	9607	5443	9607	5443
75°	7473	5009	7473	5009
80°	5569	4416	5569	4416
85°	3779	2519	3779	2519

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17607 cd/sqm



TEST NUMBER: P1428347

CATALOG NUMBER: SQ2W-PW1-K-025U-050D-L830-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.0	3.0
10°-20°	327.6	8.8
20°-30°	482.0	12.9
30°-40°	527.0	14.1
40°-50°	472.8	12.7
50°-60°	352.7	9.5
60°-70°	222.9	6.0
70°-80°	110.4	3.0
80°-90°	27.4	0.7
90°-100°	29.8	0.8
100°-110°	87.0	2.3
110°-120°	142.0	3.8
120°-130°	180.2	4.8
130°-140°	192.8	5.2
140°-150°	180.0	4.8
150°-160°	148.1	4.0
160°-170°	99.3	2.7
170°-180°	35.3	0.9
0°-30°	922.6	24.7
0°-40°	1449.7	38.9
0°-60°	2275.1	61.0
0°-90°	2635.9	70.7
90°-120°	258.8	6.9
90°-150°	811.7	21.8
90°-180°	1094.0	29.3
0°-180°	3730.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1187	1187	1187	1187	1187	
5°	1175	1195	1175	1195	1175	112
15°	1141	1176	1141	1176	1141	322
25°	1065	1005	1065	1005	1065	490
35°	949	742	949	742	949	592
45°	771	494	771	494	771	591
55°	532	278	532	278	532	476
65°	308	157	308	157	308	305
75°	120	80	120	80	120	132
85°	20	14	20	14	20	26
90°	1	8	1	16	1	2
95°	12	9	12	51	12	14
105°	55	89	55	122	55	59
115°	106	147	106	181	106	104
125°	157	233	157	222	157	140
135°	213	305	213	246	213	165
145°	272	351	272	251	272	170
155°	323	382	323	260	323	149
165°	357	398	357	300	357	101
175°	374	390	374	352	374	35
180°	375	375	375	375	375	



TEST NUMBER: P1428347

CATALOG NUMBER: SQ2W-PW1-K-025U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2
2.5°	1179.0	1185.9	1192.7	1191.1	1186.7	1184.7	1185.1	1185.7	1186.9	1188.1	1186.9
5°	1174.8	1183.3	1191.8	1190.6	1186.1	1184.0	1184.6	1186.1	1190.6	1195.1	1190.6
7.5°	1168.9	1177.5	1186.2	1185.8	1182.3	1181.5	1183.2	1185.6	1190.0	1194.4	1190.0
10°	1163.4	1172.5	1181.5	1181.5	1178.5	1178.3	1180.8	1183.7	1187.7	1191.7	1187.7
12.5°	1156.2	1165.7	1175.1	1175.8	1173.6	1173.9	1176.9	1180.1	1184.1	1188.1	1184.1
15°	1140.8	1150.9	1160.9	1163.1	1162.6	1164.1	1167.6	1170.9	1173.4	1175.9	1173.4
17.5°	1123.0	1133.0	1143.1	1145.1	1144.3	1144.4	1145.4	1146.3	1147.5	1148.7	1147.5
20°	1110.3	1120.4	1130.4	1131.8	1130.3	1127.8	1124.2	1121.6	1121.6	1121.6	1121.6
22.5°	1092.2	1103.1	1113.9	1114.0	1110.5	1103.9	1094.4	1086.4	1083.2	1080.0	1083.2
25°	1065.1	1075.6	1086.2	1081.3	1071.2	1056.4	1036.8	1020.2	1012.7	1005.2	1012.7
27.5°	1033.4	1042.0	1050.5	1037.7	1017.8	993.9	966.1	942.6	932.2	921.7	932.2
30°	1010.8	1017.3	1023.9	1003.6	974.5	944.6	913.9	888.4	878.4	868.3	878.4
32.5°	987.3	989.8	992.3	965.7	929.3	895.2	863.3	836.7	825.8	815.0	825.8
35°	948.6	944.1	939.6	904.1	858.4	819.5	787.3	760.8	751.3	741.7	751.3
37.5°	902.9	889.5	876.0	836.1	787.3	746.1	712.5	684.6	674.0	663.5	674.0
40°	869.5	850.4	831.3	788.4	737.7	695.5	661.8	633.9	623.4	612.8	623.4
42.5°	832.4	808.5	784.5	740.5	689.8	647.5	613.9	585.9	574.9	564.0	574.9
45°	771.1	743.0	714.8	669.0	617.2	575.0	542.3	515.2	504.6	494.1	504.6
47.5°	702.1	674.2	646.3	600.5	548.9	507.2	475.6	449.5	440.5	431.5	440.5
50°	652.4	625.3	598.1	554.4	505.2	464.7	433.0	406.5	395.5	384.4	395.5
52.5°	601.7	577.4	553.1	511.0	462.9	422.7	390.2	362.1	347.0	332.0	347.0
55°	532.5	509.4	486.3	446.6	401.4	360.7	324.5	295.2	286.7	278.1	286.7
57.5°	461.3	441.3	421.3	385.6	344.7	307.8	275.0	248.6	241.5	234.5	241.5
60°	416.1	398.5	380.9	346.7	307.0	273.4	245.7	223.2	216.2	209.2	216.2
62.5°	372.7	357.1	341.5	308.7	270.3	240.0	218.0	200.0	194.2	188.4	194.2
65°	307.5	296.0	284.4	257.4	225.3	200.1	182.0	167.2	162.2	157.2	162.2
67.5°	244.2	237.8	231.4	211.1	186.3	166.0	150.1	137.3	134.0	130.7	134.0
70°	203.5	201.5	199.5	182.8	161.2	143.8	130.8	120.4	117.8	115.3	117.8
72.5°	168.2	169.0	169.8	156.0	137.2	122.6	112.4	104.3	102.6	100.9	102.6
75°	119.8	123.9	127.9	118.7	105.2	94.8	87.8	82.3	81.3	80.3	81.3
77.5°	81.6	87.7	93.7	87.7	77.8	70.2	65.0	60.9	60.1	59.2	60.1
80°	59.9	66.0	72.0	67.8	60.3	54.5	50.5	47.5	47.5	47.5	47.5
82.5°	41.8	46.7	51.5	48.5	43.0	39.2	37.2	35.7	35.7	35.7	35.7
85°	20.4	22.9	25.4	24.5	22.5	20.0	17.0	14.6	14.1	13.6	14.1
87.5°	5.7	7.2	8.7	7.8	6.1	4.9	4.5	4.3	4.4	4.4	4.4
90°	1.1	2.7	4.5	6.1	7.2	7.6	7.6	8.0	8.3	8.3	8.3
92.5°	4.2	6.6	6.7	6.7	8.1	8.8	9.4	9.5	9.8	9.8	9.8
95°	11.7	12.9	19.3	18.9	12.9	10.2	8.7	8.7	8.7	8.7	8.7
97.5°	22.4	24.1	25.1	33.7	35.6	34.4	28.0	23.6	21.1	19.9	21.1
100°	31.8	32.6	34.8	35.2	44.7	53.8	49.2	43.5	41.6	40.5	41.6
102.5°	41.2	41.6	45.1	46.7	48.9	54.1	69.8	68.1	66.8	66.6	66.8
105°	55.3	55.7	62.1	65.1	66.6	66.6	66.3	73.8	85.9	88.6	85.9
107.5°	70.3	72.1	79.7	87.8	89.5	90.0	88.0	86.9	86.4	86.7	86.4
110°	80.6	83.3	92.4	102.6	105.3	106.0	105.3	104.1	103.4	103.4	103.4



TEST NUMBER: P1428347

CATALOG NUMBER: SQ2W-PW1-K-025U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	90.6	94.5	104.8	116.5	121.0	123.3	121.6	120.8	120.0	120.6	120.0
115°	106.0	111.7	125.3	137.4	146.5	147.7	147.3	147.3	146.9	146.9	146.9
117.5°	120.3	129.3	144.6	158.7	169.2	172.3	173.8	173.3	172.9	173.6	172.9
120°	130.2	140.8	158.3	174.2	184.4	188.9	190.4	189.7	190.4	189.7	190.4
122.5°	140.8	153.9	171.0	187.5	199.5	204.7	206.5	206.7	206.8	206.4	206.8
125°	156.8	172.7	192.7	209.8	222.3	228.3	229.8	230.2	231.0	232.9	231.0
127.5°	172.8	190.8	212.9	229.3	242.1	249.4	251.8	252.6	254.2	255.0	254.2
130°	184.0	204.5	226.8	242.3	254.8	262.8	266.9	268.1	270.0	269.6	270.0
132.5°	195.8	217.2	239.8	256.0	267.5	276.1	279.7	282.9	283.6	284.1	283.6
135°	213.2	236.3	259.0	274.9	285.9	294.2	298.7	301.8	303.7	304.8	303.7
137.5°	231.4	255.8	277.6	291.8	302.8	310.0	315.2	318.4	320.3	321.2	320.3
140°	243.8	267.3	288.5	303.3	313.1	320.3	324.9	328.6	330.9	330.9	330.9
142.5°	255.6	278.8	299.4	314.2	322.8	329.4	334.3	337.1	339.7	339.7	339.7
145°	272.2	295.3	314.3	329.0	336.2	342.3	347.6	349.9	351.4	351.4	351.4
147.5°	289.6	310.0	327.3	341.4	347.5	354.6	358.8	360.6	362.5	361.7	362.5
150°	299.9	318.8	335.5	348.7	354.8	361.6	365.8	367.3	369.2	368.0	369.2
152.5°	309.9	327.9	343.0	355.4	360.5	367.3	372.1	373.6	374.9	374.1	374.9
155°	323.3	339.3	353.3	364.6	369.2	375.6	380.1	382.0	383.6	381.7	383.6
157.5°	335.4	349.1	361.3	371.7	376.6	382.1	386.4	388.7	390.2	389.4	390.2
160°	342.7	355.2	366.1	376.0	380.5	385.4	390.0	392.6	394.2	393.0	394.2
162.5°	348.7	360.0	370.4	379.3	383.2	387.6	393.0	395.4	396.9	395.4	396.9
165°	357.4	366.5	375.6	383.2	386.6	390.0	395.7	398.3	399.5	397.9	399.5
167.5°	364.0	371.0	378.3	384.8	387.3	390.7	396.3	398.5	400.0	398.1	400.0
170°	367.6	373.7	380.1	385.4	387.3	390.4	396.0	397.9	399.1	397.2	399.1
172.5°	370.7	375.2	380.4	385.1	386.1	388.5	393.9	395.8	396.7	395.1	396.7
175°	373.7	376.4	380.1	383.2	382.8	384.3	388.9	390.4	391.9	389.6	391.9
177.5°	375.1	376.4	377.6	379.4	378.2	378.2	381.5	382.4	382.7	381.5	382.7
180°	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8



TEST NUMBER: P1428347

CATALOG NUMBER: SQ2W-PW1-K-025U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2
2.5°	1185.7	1185.1	1184.7	1186.7	1191.1	1192.7	1185.9	1179.0	1185.9	1192.7	1191.1
5°	1186.1	1184.6	1184.0	1186.1	1190.6	1191.8	1183.3	1174.8	1183.3	1191.8	1190.6
7.5°	1185.6	1183.2	1181.5	1182.3	1185.8	1186.2	1177.5	1168.9	1177.5	1186.2	1185.8
10°	1183.7	1180.8	1178.3	1178.5	1181.5	1181.5	1172.5	1163.4	1172.5	1181.5	1181.5
12.5°	1180.1	1176.9	1173.9	1173.6	1175.8	1175.1	1165.7	1156.2	1165.7	1175.1	1175.8
15°	1170.9	1167.6	1164.1	1162.6	1163.1	1160.9	1150.9	1140.8	1150.9	1160.9	1163.1
17.5°	1146.3	1145.4	1144.4	1144.3	1145.1	1143.1	1133.0	1123.0	1133.0	1143.1	1145.1
20°	1121.6	1124.2	1127.8	1130.3	1131.8	1130.4	1120.4	1110.3	1120.4	1130.4	1131.8
22.5°	1086.4	1094.4	1103.9	1110.5	1114.0	1113.9	1103.1	1092.2	1103.1	1113.9	1114.0
25°	1020.2	1036.8	1056.4	1071.2	1081.3	1086.2	1075.6	1065.1	1075.6	1086.2	1081.3
27.5°	942.6	966.1	993.9	1017.8	1037.7	1050.5	1042.0	1033.4	1042.0	1050.5	1037.7
30°	888.4	913.9	944.6	974.5	1003.6	1023.9	1017.3	1010.8	1017.3	1023.9	1003.6
32.5°	836.7	863.3	895.2	929.3	965.7	992.3	989.8	987.3	989.8	992.3	965.7
35°	760.8	787.3	819.5	858.4	904.1	939.6	944.1	948.6	944.1	939.6	904.1
37.5°	684.6	712.5	746.1	787.3	836.1	876.0	889.5	902.9	889.5	876.0	836.1
40°	633.9	661.8	695.5	737.7	788.4	831.3	850.4	869.5	850.4	831.3	788.4
42.5°	585.9	613.9	647.5	689.8	740.5	784.5	808.5	832.4	808.5	784.5	740.5
45°	515.2	542.3	575.0	617.2	669.0	714.8	743.0	771.1	743.0	714.8	669.0
47.5°	449.5	475.6	507.2	548.9	600.5	646.3	674.2	702.1	674.2	646.3	600.5
50°	406.5	433.0	464.7	505.2	554.4	598.1	625.3	652.4	625.3	598.1	554.4
52.5°	362.1	390.2	422.7	462.9	511.0	553.1	577.4	601.7	577.4	553.1	511.0
55°	295.2	324.5	360.7	401.4	446.6	486.3	509.4	532.5	509.4	486.3	446.6
57.5°	248.6	275.0	307.8	344.7	385.6	421.3	441.3	461.3	441.3	421.3	385.6
60°	223.2	245.7	273.4	307.0	346.7	380.9	398.5	416.1	398.5	380.9	346.7
62.5°	200.0	218.0	240.0	270.3	308.7	341.5	357.1	372.7	357.1	341.5	308.7
65°	167.2	182.0	200.1	225.3	257.4	284.4	296.0	307.5	296.0	284.4	257.4
67.5°	137.3	150.1	166.0	186.3	211.1	231.4	237.8	244.2	237.8	231.4	211.1
70°	120.4	130.8	143.8	161.2	182.8	199.5	201.5	203.5	201.5	199.5	182.8
72.5°	104.3	112.4	122.6	137.2	156.0	169.8	169.0	168.2	169.0	169.8	156.0
75°	82.3	87.8	94.8	105.2	118.7	127.9	123.9	119.8	123.9	127.9	118.7
77.5°	60.9	65.0	70.2	77.8	87.7	93.7	87.7	81.6	87.7	93.7	87.7
80°	47.5	50.5	54.5	60.3	67.8	72.0	66.0	59.9	66.0	72.0	67.8
82.5°	35.7	37.2	39.2	43.0	48.5	51.5	46.7	41.8	46.7	51.5	48.5
85°	14.6	17.0	20.0	22.5	24.5	25.4	22.9	20.4	22.9	25.4	24.5
87.5°	4.3	4.5	4.9	6.1	7.8	8.7	7.2	5.7	7.2	8.7	8.0
90°	8.0	7.6	7.6	7.2	6.1	4.5	2.7	1.1	2.7	4.2	6.8
92.5°	9.5	9.4	8.8	8.1	6.7	6.7	6.6	4.2	7.2	10.2	14.7
95°	8.7	8.7	10.2	12.9	18.9	19.3	12.9	11.7	16.7	23.5	29.5
97.5°	23.6	28.0	34.4	35.6	33.7	25.1	24.1	22.4	30.5	37.3	47.0
100°	43.5	49.2	53.8	44.7	35.2	34.8	32.6	31.8	40.5	46.9	56.4
102.5°	68.1	69.8	54.1	48.9	46.7	45.1	41.6	41.2	49.9	58.8	66.7
105°	73.8	66.3	66.6	66.6	65.1	62.1	55.7	55.3	65.1	75.3	85.2
107.5°	86.9	88.0	90.0	89.5	87.8	79.7	72.1	70.3	79.2	91.5	102.3
110°	104.1	105.3	106.0	105.3	102.6	92.4	83.3	80.6	88.6	101.5	113.2



TEST NUMBER: P1428347

CATALOG NUMBER: SQ2W-PW1-K-025U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	120.8	121.6	123.3	121.0	116.5	104.8	94.5	90.6	98.6	111.8	123.8
115°	147.3	147.3	147.7	146.5	137.4	125.3	111.7	106.0	112.8	124.9	138.2
117.5°	173.3	173.8	172.3	169.2	158.7	144.6	129.3	120.3	125.6	138.4	152.1
120°	189.7	190.4	188.9	184.4	174.2	158.3	140.8	130.2	134.4	146.9	160.5
122.5°	206.7	206.5	204.7	199.5	187.5	171.0	153.9	140.8	142.6	154.2	167.5
125°	230.2	229.8	228.3	222.3	209.8	192.7	172.7	156.8	154.5	164.3	178.0
127.5°	252.6	251.8	249.4	242.1	229.3	212.9	190.8	172.8	167.7	173.9	186.4
130°	268.1	266.9	262.8	254.8	242.3	226.8	204.5	184.0	176.8	180.6	191.6
132.5°	282.9	279.7	276.1	267.5	256.0	239.8	217.2	195.8	185.9	187.6	196.1
135°	301.8	298.7	294.2	285.9	274.9	259.0	236.3	213.2	199.5	198.0	202.9
137.5°	318.4	315.2	310.0	302.8	291.8	277.6	255.8	231.4	214.2	209.2	211.0
140°	328.6	324.9	320.3	313.1	303.3	288.5	267.3	243.8	224.5	217.3	216.2
142.5°	337.1	334.3	329.4	322.8	314.2	299.4	278.8	255.6	235.1	225.8	223.2
145°	349.9	347.6	342.3	336.2	329.0	314.3	295.3	272.2	251.8	239.7	234.0
147.5°	360.6	358.8	354.6	347.5	341.4	327.3	310.0	289.6	268.6	253.6	246.3
150°	367.3	365.8	361.6	354.8	348.7	335.5	318.8	299.9	279.8	263.9	254.4
152.5°	373.6	372.1	367.3	360.5	355.4	343.0	327.9	309.9	289.5	273.6	263.8
155°	382.0	380.1	375.6	369.2	364.6	353.3	339.3	323.3	305.9	289.3	278.3
157.5°	388.7	386.4	382.1	376.6	371.7	361.3	349.1	335.4	320.2	304.3	293.1
160°	392.6	390.0	385.4	380.5	376.0	366.1	355.2	342.7	328.6	314.3	302.1
162.5°	395.4	393.0	387.6	383.2	379.3	370.4	360.0	348.7	336.2	323.7	312.4
165°	398.3	395.7	390.0	386.6	383.2	375.6	366.5	357.4	346.8	336.6	327.5
167.5°	398.5	396.3	390.7	387.3	384.8	378.3	371.0	364.0	355.8	347.7	340.2
170°	397.9	396.0	390.4	387.3	385.4	380.1	373.7	367.6	361.2	354.4	348.3
172.5°	395.8	393.9	388.5	386.1	385.1	380.4	375.2	370.7	365.1	360.2	355.3
175°	390.4	388.9	384.3	382.8	383.2	380.1	376.4	373.7	370.3	367.3	364.6
177.5°	382.4	381.5	378.2	378.2	379.4	377.6	376.4	375.1	373.6	372.7	371.8
180°	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8

TEST NUMBER: P1428347

CATALOG NUMBER: SQ2W-PW1-K-025U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2	1187.2
2.5°	1186.7	1184.7	1185.1	1185.7	1186.9	1188.1	1186.9	1185.7	1185.1	1184.7	1186.7
5°	1186.1	1184.0	1184.6	1186.1	1190.6	1195.1	1190.6	1186.1	1184.6	1184.0	1186.1
7.5°	1182.3	1181.5	1183.2	1185.6	1190.0	1194.4	1190.0	1185.6	1183.2	1181.5	1182.3
10°	1178.5	1178.3	1180.8	1183.7	1187.7	1191.7	1187.7	1183.7	1180.8	1178.3	1178.5
12.5°	1173.6	1173.9	1176.9	1180.1	1184.1	1188.1	1184.1	1180.1	1176.9	1173.9	1173.6
15°	1162.6	1164.1	1167.6	1170.9	1173.4	1175.9	1173.4	1170.9	1167.6	1164.1	1162.6
17.5°	1144.3	1144.4	1145.4	1146.3	1147.5	1148.7	1147.5	1146.3	1145.4	1144.4	1144.3
20°	1130.3	1127.8	1124.2	1121.6	1121.6	1121.6	1121.6	1121.6	1124.2	1127.8	1130.3
22.5°	1110.5	1103.9	1094.4	1086.4	1083.2	1080.0	1083.2	1086.4	1094.4	1103.9	1110.5
25°	1071.2	1056.4	1036.8	1020.2	1012.7	1005.2	1012.7	1020.2	1036.8	1056.4	1071.2
27.5°	1017.8	993.9	966.1	942.6	932.2	921.7	932.2	942.6	966.1	993.9	1017.8
30°	974.5	944.6	913.9	888.4	878.4	868.3	878.4	888.4	913.9	944.6	974.5
32.5°	929.3	895.2	863.3	836.7	825.8	815.0	825.8	836.7	863.3	895.2	929.3
35°	858.4	819.5	787.3	760.8	751.3	741.7	751.3	760.8	787.3	819.5	858.4
37.5°	787.3	746.1	712.5	684.6	674.0	663.5	674.0	684.6	712.5	746.1	787.3
40°	737.7	695.5	661.8	633.9	623.4	612.8	623.4	633.9	661.8	695.5	737.7
42.5°	689.8	647.5	613.9	585.9	574.9	564.0	574.9	585.9	613.9	647.5	689.8
45°	617.2	575.0	542.3	515.2	504.6	494.1	504.6	515.2	542.3	575.0	617.2
47.5°	548.9	507.2	475.6	449.5	440.5	431.5	440.5	449.5	475.6	507.2	548.9
50°	505.2	464.7	433.0	406.5	395.5	384.4	395.5	406.5	433.0	464.7	505.2
52.5°	462.9	422.7	390.2	362.1	347.0	332.0	347.0	362.1	390.2	422.7	462.9
55°	401.4	360.7	324.5	295.2	286.7	278.1	286.7	295.2	324.5	360.7	401.4
57.5°	344.7	307.8	275.0	248.6	241.5	234.5	241.5	248.6	275.0	307.8	344.7
60°	307.0	273.4	245.7	223.2	216.2	209.2	216.2	223.2	245.7	273.4	307.0
62.5°	270.3	240.0	218.0	200.0	194.2	188.4	194.2	200.0	218.0	240.0	270.3
65°	225.3	200.1	182.0	167.2	162.2	157.2	162.2	167.2	182.0	200.1	225.3
67.5°	186.3	166.0	150.1	137.3	134.0	130.7	134.0	137.3	150.1	166.0	186.3
70°	161.2	143.8	130.8	120.4	117.8	115.3	117.8	120.4	130.8	143.8	161.2
72.5°	137.2	122.6	112.4	104.3	102.6	100.9	102.6	104.3	112.4	122.6	137.2
75°	105.2	94.8	87.8	82.3	81.3	80.3	81.3	82.3	87.8	94.8	105.2
77.5°	77.8	70.2	65.0	60.9	60.1	59.2	60.1	60.9	65.0	70.2	77.8
80°	60.3	54.5	50.5	47.5	47.5	47.5	47.5	47.5	50.5	54.5	60.3
82.5°	43.0	39.2	37.2	35.7	35.7	35.7	35.7	35.7	37.2	39.2	43.0
85°	22.5	20.0	17.0	14.6	14.1	13.6	14.1	14.6	17.0	20.0	22.5
87.5°	6.4	5.7	5.8	5.8	6.1	6.0	6.1	5.8	5.8	5.7	6.4
90°	8.7	11.4	14.0	15.5	17.0	16.3	17.0	15.5	14.0	11.4	8.7
92.5°	17.5	22.0	25.2	27.9	29.2	29.0	29.2	27.9	25.2	22.0	17.5
95°	35.2	40.5	45.8	49.6	51.9	51.1	51.9	49.6	45.8	40.5	35.2
97.5°	54.3	61.4	67.3	70.9	73.2	74.7	73.2	70.9	67.3	61.4	54.3
100°	67.0	73.8	80.6	84.8	88.6	90.1	88.6	84.8	80.6	73.8	67.0
102.5°	77.3	86.3	93.7	98.1	101.3	102.8	101.3	98.1	93.7	86.3	77.3
105°	94.3	103.7	111.7	117.4	120.8	121.9	120.8	117.4	111.7	103.7	94.3
107.5°	111.2	121.0	128.4	134.6	138.8	141.2	138.8	134.6	128.4	121.0	111.2
110°	124.6	132.5	140.5	146.2	150.3	151.8	150.3	146.2	140.5	132.5	124.6



TEST NUMBER: P1428347

CATALOG NUMBER: SQ2W-PW1-K-025U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	135.8	144.6	152.6	158.3	163.0	165.2	163.0	158.3	152.6	144.6	135.8
115°	151.5	163.2	170.4	175.7	179.1	181.0	179.1	175.7	170.4	163.2	151.5
117.5°	164.5	176.7	184.6	188.7	190.3	191.7	190.3	188.7	184.6	176.7	164.5
120°	172.7	184.0	193.1	198.4	200.3	201.1	200.3	198.4	193.1	184.0	172.7
122.5°	180.2	191.0	199.8	206.3	209.4	210.1	209.4	206.3	199.8	191.0	180.2
125°	190.8	201.1	210.1	216.6	220.0	221.9	220.0	216.6	210.1	201.1	190.8
127.5°	200.1	211.1	219.5	225.3	228.6	230.1	228.6	225.3	219.5	211.1	200.1
130°	205.2	216.6	224.9	231.3	234.4	235.9	234.4	231.3	224.9	216.6	205.2
132.5°	209.2	221.1	229.8	235.6	238.9	240.4	238.9	235.6	229.8	221.1	209.2
135°	213.9	226.4	235.5	241.2	244.2	245.7	244.2	241.2	235.5	226.4	213.9
137.5°	218.1	229.4	238.9	244.9	247.6	248.6	247.6	244.9	238.9	229.4	218.1
140°	221.1	231.0	240.4	246.1	249.1	249.5	249.1	246.1	240.4	231.0	221.1
142.5°	225.1	232.8	241.0	246.7	249.7	250.4	249.7	246.7	241.0	232.8	225.1
145°	232.1	236.6	242.3	247.6	250.3	251.0	250.3	247.6	242.3	236.6	232.1
147.5°	241.0	242.4	245.4	248.8	251.4	251.9	251.4	248.8	245.4	242.4	241.0
150°	247.6	247.2	248.4	250.7	252.9	252.5	252.9	250.7	248.4	247.2	247.6
152.5°	255.2	253.0	252.9	254.0	255.0	255.0	255.0	254.0	252.9	253.0	255.2
155°	268.1	263.9	261.6	260.9	260.9	260.5	260.9	260.9	261.6	263.9	268.1
157.5°	282.2	276.4	273.0	271.2	270.6	269.8	270.6	271.2	273.0	276.4	282.2
160°	291.9	285.5	282.1	279.0	277.9	276.8	277.9	279.0	282.1	285.5	291.9
162.5°	301.0	294.9	291.2	288.4	287.3	285.6	287.3	288.4	291.2	294.9	301.0
165°	315.8	309.3	305.2	302.9	301.4	299.9	301.4	302.9	305.2	309.3	315.8
167.5°	330.5	323.5	320.8	318.2	316.8	314.0	316.8	318.2	320.8	323.5	330.5
170°	339.6	333.2	331.7	329.4	326.8	323.7	326.8	329.4	331.7	333.2	339.6
172.5°	347.5	343.2	341.7	339.4	338.6	336.1	338.6	339.4	341.7	343.2	347.5
175°	358.9	355.5	355.5	355.2	354.0	351.7	354.0	355.2	355.5	355.5	358.9
177.5°	368.5	366.7	367.9	367.9	367.6	365.5	367.6	367.9	367.9	366.7	368.5
180°	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8	374.8



TEST NUMBER: P1428347

CATALOG NUMBER: SQ2W-PW1-K-025U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1187.2	1187.2	1187.2	1187.2
2.5°	1191.1	1192.7	1185.9	1179.0
5°	1190.6	1191.8	1183.3	1174.8
7.5°	1185.8	1186.2	1177.5	1168.9
10°	1181.5	1181.5	1172.5	1163.4
12.5°	1175.8	1175.1	1165.7	1156.2
15°	1163.1	1160.9	1150.9	1140.8
17.5°	1145.1	1143.1	1133.0	1123.0
20°	1131.8	1130.4	1120.4	1110.3
22.5°	1114.0	1113.9	1103.1	1092.2
25°	1081.3	1086.2	1075.6	1065.1
27.5°	1037.7	1050.5	1042.0	1033.4
30°	1003.6	1023.9	1017.3	1010.8
32.5°	965.7	992.3	989.8	987.3
35°	904.1	939.6	944.1	948.6
37.5°	836.1	876.0	889.5	902.9
40°	788.4	831.3	850.4	869.5
42.5°	740.5	784.5	808.5	832.4
45°	669.0	714.8	743.0	771.1
47.5°	600.5	646.3	674.2	702.1
50°	554.4	598.1	625.3	652.4
52.5°	511.0	553.1	577.4	601.7
55°	446.6	486.3	509.4	532.5
57.5°	385.6	421.3	441.3	461.3
60°	346.7	380.9	398.5	416.1
62.5°	308.7	341.5	357.1	372.7
65°	257.4	284.4	296.0	307.5
67.5°	211.1	231.4	237.8	244.2
70°	182.8	199.5	201.5	203.5
72.5°	156.0	169.8	169.0	168.2
75°	118.7	127.9	123.9	119.8
77.5°	87.7	93.7	87.7	81.6
80°	67.8	72.0	66.0	59.9
82.5°	48.5	51.5	46.7	41.8
85°	24.5	25.4	22.9	20.4
87.5°	8.0	8.7	7.2	5.7
90°	6.8	4.2	2.7	1.1
92.5°	14.7	10.2	7.2	4.2
95°	29.5	23.5	16.7	11.7
97.5°	47.0	37.3	30.5	22.4
100°	56.4	46.9	40.5	31.8
102.5°	66.7	58.8	49.9	41.2
105°	85.2	75.3	65.1	55.3
107.5°	102.3	91.5	79.2	70.3
110°	113.2	101.5	88.6	80.6



TEST NUMBER: P1428347

CATALOG NUMBER: SQ2W-PW1-K-025U-050D-L830-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	123.8	111.8	98.6	90.6
115°	138.2	124.9	112.8	106.0
117.5°	152.1	138.4	125.6	120.3
120°	160.5	146.9	134.4	130.2
122.5°	167.5	154.2	142.6	140.8
125°	178.0	164.3	154.5	156.8
127.5°	186.4	173.9	167.7	172.8
130°	191.6	180.6	176.8	184.0
132.5°	196.1	187.6	185.9	195.8
135°	202.9	198.0	199.5	213.2
137.5°	211.0	209.2	214.2	231.4
140°	216.2	217.3	224.5	243.8
142.5°	223.2	225.8	235.1	255.6
145°	234.0	239.7	251.8	272.2
147.5°	246.3	253.6	268.6	289.6
150°	254.4	263.9	279.8	299.9
152.5°	263.8	273.6	289.5	309.9
155°	278.3	289.3	305.9	323.3
157.5°	293.1	304.3	320.2	335.4
160°	302.1	314.3	328.6	342.7
162.5°	312.4	323.7	336.2	348.7
165°	327.5	336.6	346.8	357.4
167.5°	340.2	347.7	355.8	364.0
170°	348.3	354.4	361.2	367.6
172.5°	355.3	360.2	365.1	370.7
175°	364.6	367.3	370.3	373.7
177.5°	371.8	372.7	373.6	375.1
180°	374.8	374.8	374.8	374.8



TEST NUMBER: P1428347
 CATALOG NUMBER: SQ2W-PW1-K-025U-050D-L830-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	18.92	19.95	19.69	20.73	21.67	15.17	16.20	15.94	16.98	17.92
	3H	20.24	21.15	21.02	21.94	22.92	16.46	17.37	17.23	18.16	19.14
	4H	20.66	21.52	21.45	22.32	23.30	16.97	17.83	17.77	18.63	19.62
	6H	20.84	21.64	21.65	22.44	23.45	17.29	18.08	18.10	18.89	19.89
	8H	20.89	21.64	21.71	22.47	23.47	17.40	18.16	18.22	18.98	19.99
	12H	20.90	21.61	21.72	22.43	23.46	17.44	18.16	18.26	18.98	20.01
4H	2H	19.08	19.94	19.88	20.74	21.73	16.00	16.86	16.80	17.66	18.65
	3H	20.63	21.34	21.44	22.18	23.18	17.46	18.18	18.28	19.01	20.02
	4H	21.18	21.83	22.01	22.66	23.70	18.05	18.70	18.88	19.53	20.56
	6H	21.50	22.06	22.35	22.92	23.96	18.44	19.00	19.29	19.86	20.90
	8H	21.60	22.12	22.44	22.97	24.02	18.60	19.12	19.44	19.97	21.02
	12H	21.63	22.09	22.49	22.97	24.02	18.65	19.11	19.51	19.99	21.04
8H	4H	21.23	21.75	22.08	22.61	23.66	18.40	18.92	19.25	19.78	20.83
	6H	21.66	22.09	22.53	22.99	24.04	18.90	19.33	19.78	20.23	21.28
	8H	21.83	22.21	22.72	23.10	24.17	19.12	19.50	20.01	20.39	21.46
	12H	21.92	22.25	22.80	23.13	24.25	19.21	19.55	20.10	20.43	21.55
12H	4H	21.20	21.67	22.06	22.54	23.59	18.43	18.90	19.30	19.77	20.82
	6H	21.65	22.04	22.54	22.93	23.99	18.98	19.36	19.86	20.25	21.32
	8H	21.85	22.19	22.74	23.07	24.19	19.23	19.56	20.12	20.45	21.57