

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: P1428396

Luminaire Tested: SQ2W-PW1-K-075U-050D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428396
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-075U-050D-L835-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 750 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

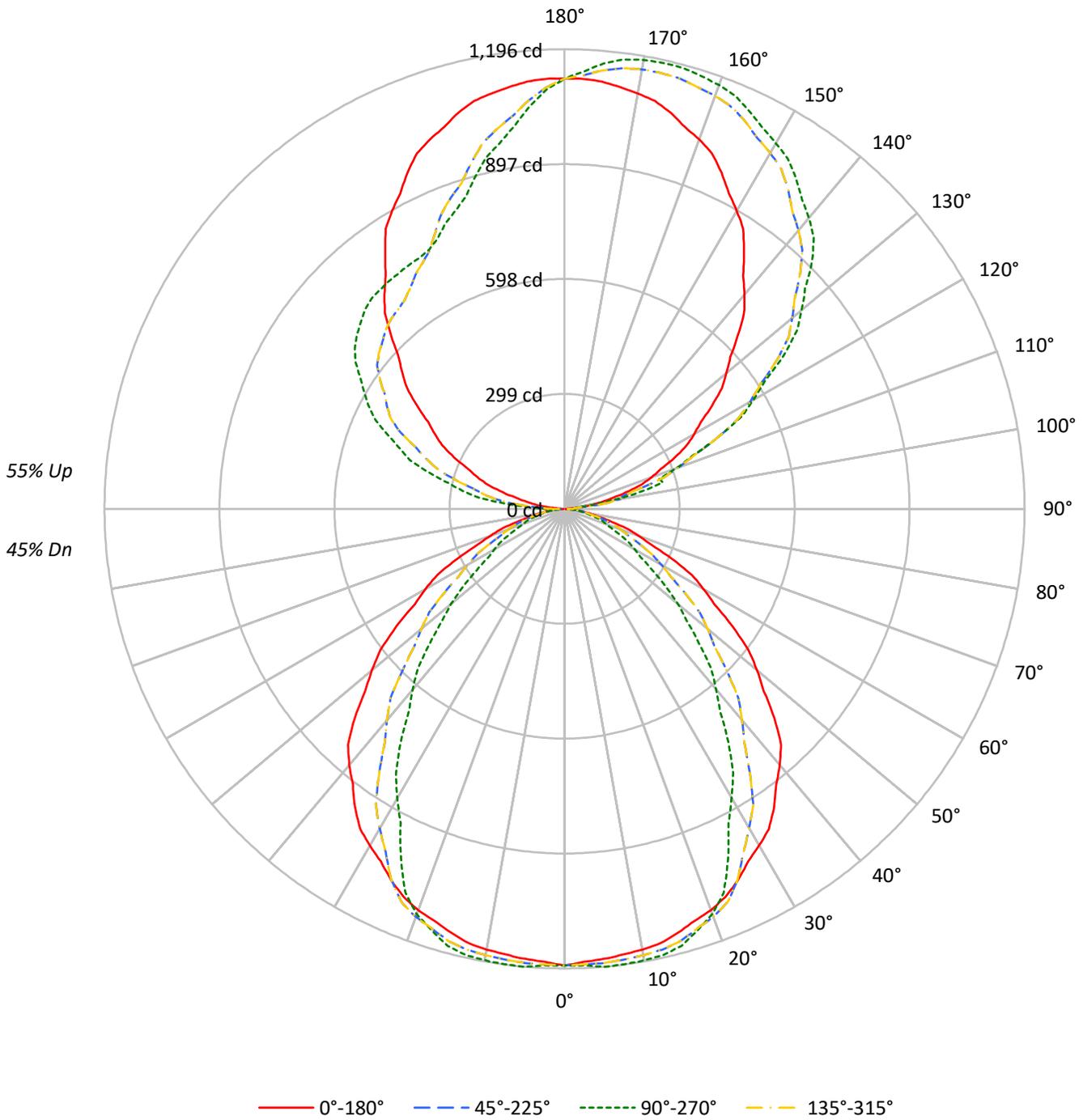
Lumens per Lamp: N/A
Luminaire Lumens: 5909.1 lumens
Efficiency: N/A
Efficacy: 142.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 41.4
Input Voltage (V): 120
Input Current (A_{in}): 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: P1428396

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L835-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	106	106	106	106	97	97	97	97	80	80	80	65	65	65	51	51	51	45
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	46	45	44	39
2	89	82	76	71	81	75	70	66	63	59	56	52	49	47	41	40	38	33
3	81	72	65	60	74	67	61	56	56	52	48	46	43	40	37	35	33	29
4	75	64	57	51	68	59	53	48	50	45	41	41	38	35	33	31	29	25
5	69	57	50	44	63	53	46	41	45	40	36	37	34	31	30	28	25	22
6	63	52	44	38	58	48	41	36	41	35	31	34	30	27	28	25	23	20
7	59	47	39	34	54	43	37	32	37	32	28	31	27	24	25	22	20	18
8	54	43	35	30	50	40	33	28	34	29	25	28	24	21	23	20	18	16
9	51	39	32	27	47	36	30	25	31	26	22	26	22	19	22	19	17	14
10	47	36	29	24	44	33	27	23	29	24	20	24	20	18	20	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	19186	19186	19186	19186
5°	19056	19387	19056	19387
10°	19092	19556	19092	19556
15°	19087	19672	19087	19672
20°	19094	19288	19094	19288
25°	18990	17923	18990	17923
30°	18861	16203	18861	16203
35°	18715	14633	18715	14633
40°	18343	12928	18343	12928
45°	17623	11291	17623	11291
50°	16402	9665	16402	9665
55°	15003	7837	15003	7837
60°	13449	6762	13449	6762
65°	11759	6009	11759	6009
70°	9616	5448	9616	5448
75°	7486	5009	7486	5009
80°	5579	4416	5579	4416
85°	3779	2519	3779	2519

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17623 cd/sqm



TEST NUMBER: P1428396

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L835-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.1	1.9
10°-20°	327.8	5.5
20°-30°	482.5	8.2
30°-40°	527.5	8.9
40°-50°	473.2	8.0
50°-60°	353.0	6.0
60°-70°	223.1	3.8
70°-80°	110.5	1.9
80°-90°	30.5	0.5
90°-100°	89.1	1.5
100°-110°	259.7	4.4
110°-120°	423.9	7.2
120°-130°	537.9	9.1
130°-140°	575.6	9.7
140°-150°	537.5	9.1
150°-160°	442.3	7.5
160°-170°	296.6	5.0
170°-180°	105.3	1.8
0°-30°	923.5	15.6
0°-40°	1451.0	24.6
0°-60°	2277.2	38.5
0°-90°	2641.3	44.7
90°-120°	772.7	13.1
90°-150°	2423.6	41.0
90°-180°	3268.0	55.3
0°-180°	5909.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1188	1188	1188	1188	1188	
5°	1176	1196	1176	1196	1176	112
15°	1142	1177	1142	1177	1142	322
25°	1066	1006	1066	1006	1066	491
35°	950	742	950	742	950	592
45°	772	494	772	494	772	592
55°	533	278	533	278	533	476
65°	308	157	308	157	308	305
75°	120	80	120	80	120	132
85°	20	14	20	14	20	26
90°	3	25	3	49	3	3
95°	35	26	35	153	35	42
105°	165	264	165	364	165	176
115°	316	439	316	540	316	312
125°	468	695	468	662	468	419
135°	636	910	636	734	636	492
145°	813	1049	813	750	813	509
155°	965	1140	965	778	965	444
165°	1067	1188	1067	895	1067	300
175°	1116	1163	1116	1050	1116	106
180°	1119	1119	1119	1119	1119	



TEST NUMBER: P1428396

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1188.3	1188.3	1188.3	1188.3	1188.3	1188.3	1188.3	1188.3	1188.3	1188.3	1188.3
2.5°	1180.1	1187.0	1193.8	1192.2	1187.8	1185.7	1186.1	1186.8	1188.0	1189.2	1188.0
5°	1175.8	1184.4	1192.9	1191.7	1187.1	1185.1	1185.6	1187.1	1191.7	1196.2	1191.7
7.5°	1169.9	1178.6	1187.2	1186.8	1183.4	1182.6	1184.3	1186.7	1191.1	1195.5	1191.1
10°	1164.5	1173.5	1182.6	1182.6	1179.6	1179.3	1181.8	1184.7	1188.8	1192.8	1188.8
12.5°	1157.3	1166.7	1176.2	1176.9	1174.7	1175.0	1177.9	1181.1	1185.1	1189.2	1185.1
15°	1141.9	1151.9	1162.0	1164.1	1163.6	1165.1	1168.6	1171.9	1174.4	1176.9	1174.4
17.5°	1124.0	1134.0	1144.1	1146.1	1145.4	1145.5	1146.4	1147.4	1148.6	1149.8	1148.6
20°	1111.3	1121.4	1131.4	1132.8	1131.3	1128.8	1125.3	1122.6	1122.6	1122.6	1122.6
22.5°	1093.2	1104.1	1114.9	1115.0	1111.5	1104.9	1095.4	1087.4	1084.2	1081.0	1084.2
25°	1066.0	1076.6	1087.2	1082.3	1072.2	1057.4	1037.7	1021.1	1013.6	1006.1	1013.6
27.5°	1034.4	1042.9	1051.5	1038.7	1018.7	994.8	967.0	943.5	933.0	922.5	933.0
30°	1011.7	1018.3	1024.8	1004.6	975.4	945.5	914.8	889.2	879.2	869.1	879.2
32.5°	988.2	990.7	993.2	966.5	930.1	896.0	864.1	837.4	826.6	815.7	826.6
35°	949.5	945.0	940.4	905.0	859.2	820.2	788.0	761.5	751.9	742.4	751.9
37.5°	903.8	890.3	876.8	836.8	788.0	746.8	713.1	685.2	674.6	664.1	674.6
40°	870.3	851.1	832.0	789.2	738.4	696.1	662.4	634.5	623.9	613.4	623.9
42.5°	833.1	809.2	785.3	741.2	690.4	648.1	614.4	586.4	575.4	564.5	575.4
45°	771.8	743.6	715.5	669.6	617.8	575.5	542.8	515.7	505.1	494.5	505.1
47.5°	702.8	674.8	646.8	601.1	549.4	507.7	476.0	450.0	440.9	431.8	440.9
50°	653.0	625.8	598.7	554.9	505.6	465.1	433.4	406.9	395.8	384.8	395.8
52.5°	602.3	577.9	553.6	511.4	463.4	423.1	390.6	362.4	347.3	332.3	347.3
55°	533.0	509.9	486.7	447.0	401.7	361.0	324.8	295.5	286.9	278.4	286.9
57.5°	461.7	441.7	421.7	386.0	345.0	308.1	275.2	248.8	241.8	234.7	241.8
60°	416.5	398.9	381.2	347.0	307.3	273.6	246.0	223.4	216.4	209.4	216.4
62.5°	373.0	357.4	341.8	309.0	270.5	240.2	218.2	200.2	194.4	188.5	194.4
65°	307.8	296.2	284.7	257.6	225.5	200.3	182.2	167.4	162.3	157.3	162.3
67.5°	244.4	238.0	231.6	211.3	186.5	166.1	150.2	137.5	134.1	130.8	134.1
70°	203.7	201.7	199.7	183.0	161.3	144.0	130.9	120.5	117.9	115.4	117.9
72.5°	168.4	169.2	170.0	156.1	137.3	122.7	112.5	104.4	102.7	100.9	102.7
75°	120.0	124.0	128.0	118.8	105.2	94.9	87.9	82.4	81.4	80.3	81.4
77.5°	81.7	87.7	93.8	87.8	77.9	70.3	65.0	60.9	60.1	59.3	60.1
80°	60.0	66.0	72.1	67.9	60.4	54.6	50.5	47.5	47.5	47.5	47.5
82.5°	41.9	46.7	51.5	48.6	43.1	39.3	37.3	35.8	35.8	35.8	35.8
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°	6.1	8.2	10.6	10.3	8.9	7.9	7.5	7.5	7.7	7.7	7.7
90°	3.4	7.9	13.6	18.1	21.5	22.6	22.6	23.7	24.9	24.9	24.9
92.5°	12.4	19.7	19.9	19.9	24.2	26.2	28.0	28.3	29.4	29.4	29.4
95°	35.0	38.4	57.7	56.5	38.4	30.5	26.0	26.0	26.0	26.0	26.0
97.5°	66.9	71.9	75.1	100.6	106.3	102.6	83.7	70.3	62.9	59.5	62.9
100°	95.0	97.2	104.0	105.1	133.4	160.5	147.0	130.0	124.4	121.0	124.4
102.5°	123.0	124.4	134.8	139.5	146.1	161.4	208.5	203.3	199.4	198.7	199.4
105°	165.1	166.2	185.4	194.4	199.0	199.0	197.8	220.4	256.6	264.5	256.6
107.5°	210.0	215.2	237.9	262.0	267.2	268.6	262.7	259.3	258.0	258.9	258.0
110°	240.8	248.7	275.8	306.4	314.3	316.5	314.3	310.9	308.6	308.6	308.6



TEST NUMBER: P1428396

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	270.6	282.2	312.9	348.0	361.3	368.1	363.1	360.6	358.4	360.2	358.4
115°	316.5	333.5	374.2	410.4	437.5	440.9	439.8	439.8	438.6	438.6	438.6
117.5°	359.0	386.2	431.8	473.9	505.3	514.4	518.9	517.5	516.2	518.4	516.2
120°	388.9	420.5	472.5	520.0	550.6	564.1	568.6	566.4	568.6	566.4	568.6
122.5°	420.5	459.4	510.5	559.8	595.8	611.1	616.6	617.0	617.5	616.1	617.5
125°	468.0	515.5	575.4	626.3	663.6	681.7	686.2	687.3	689.6	695.3	689.6
127.5°	516.0	569.8	635.6	684.6	722.8	744.8	751.8	754.3	759.0	761.5	759.0
130°	549.4	610.5	677.2	723.5	760.8	784.6	797.0	800.4	806.0	804.9	806.0
132.5°	584.7	648.5	716.1	764.2	798.8	824.4	835.0	844.7	846.7	848.3	846.7
135°	636.5	705.4	773.3	820.7	853.5	878.4	892.0	901.0	906.7	910.0	906.7
137.5°	691.0	763.8	828.9	871.2	904.2	925.7	941.0	950.5	956.4	959.1	956.4
140°	728.0	798.1	861.4	905.5	934.9	956.4	970.0	981.3	988.1	988.1	988.1
142.5°	763.3	832.5	894.0	938.1	963.9	983.5	998.0	1006.6	1014.3	1014.3	1014.3
145°	812.8	881.8	938.3	982.4	1003.9	1022.0	1037.8	1044.6	1049.1	1049.1	1049.1
147.5°	864.6	925.7	977.2	1019.5	1037.6	1058.8	1071.3	1076.7	1082.3	1079.9	1082.3
150°	895.4	951.9	1001.6	1041.2	1059.3	1079.6	1092.1	1096.6	1102.2	1098.8	1102.2
152.5°	925.2	979.0	1024.2	1061.1	1076.5	1096.8	1111.1	1115.6	1119.4	1116.9	1119.4
155°	965.4	1012.9	1054.8	1088.7	1102.2	1121.5	1135.0	1140.7	1145.2	1139.5	1145.2
157.5°	1001.4	1042.3	1078.7	1109.9	1124.4	1140.9	1153.6	1160.6	1165.1	1162.6	1165.1
160°	1023.1	1060.4	1093.2	1122.6	1136.1	1150.8	1164.4	1172.3	1176.8	1173.5	1176.8
162.5°	1041.2	1074.9	1105.9	1132.5	1144.3	1157.2	1173.5	1180.5	1185.0	1180.7	1185.0
165°	1067.2	1094.3	1121.5	1144.1	1154.2	1164.4	1181.4	1189.3	1192.7	1188.2	1192.7
167.5°	1086.9	1107.7	1129.6	1149.0	1156.5	1166.4	1183.4	1190.0	1194.3	1188.6	1194.3
170°	1097.7	1115.8	1135.0	1150.8	1156.5	1165.5	1182.5	1188.2	1191.5	1185.9	1191.5
172.5°	1106.8	1120.3	1135.9	1149.9	1152.9	1160.1	1176.2	1181.8	1184.3	1179.6	1184.3
175°	1115.8	1123.7	1135.0	1144.1	1142.9	1147.5	1161.0	1165.5	1170.1	1163.3	1170.1
177.5°	1120.1	1123.7	1127.3	1132.8	1129.1	1129.1	1139.1	1141.8	1142.7	1139.1	1142.7
180°	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2



TEST NUMBER: P1428396

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1188.3	1188.3	1188.3	1188.3	1188.3	1188.3	1188.3	1188.3	1188.3	1188.3	1188.3
2.5°	1186.8	1186.1	1185.7	1187.8	1192.2	1193.8	1187.0	1180.1	1187.0	1193.8	1192.2
5°	1187.1	1185.6	1185.1	1187.1	1191.7	1192.9	1184.4	1175.8	1184.4	1192.9	1191.7
7.5°	1186.7	1184.3	1182.6	1183.4	1186.8	1187.2	1178.6	1169.9	1178.6	1187.2	1186.8
10°	1184.7	1181.8	1179.3	1179.6	1182.6	1182.6	1173.5	1164.5	1173.5	1182.6	1182.6
12.5°	1181.1	1177.9	1175.0	1174.7	1176.9	1176.2	1166.7	1157.3	1166.7	1176.2	1176.9
15°	1171.9	1168.6	1165.1	1163.6	1164.1	1162.0	1151.9	1141.9	1151.9	1162.0	1164.1
17.5°	1147.4	1146.4	1145.5	1145.4	1146.1	1144.1	1134.0	1124.0	1134.0	1144.1	1146.1
20°	1122.6	1125.3	1128.8	1131.3	1132.8	1131.4	1121.4	1111.3	1121.4	1131.4	1132.8
22.5°	1087.4	1095.4	1104.9	1111.5	1115.0	1114.9	1104.1	1093.2	1104.1	1114.9	1115.0
25°	1021.1	1037.7	1057.4	1072.2	1082.3	1087.2	1076.6	1066.0	1076.6	1087.2	1082.3
27.5°	943.5	967.0	994.8	1018.7	1038.7	1051.5	1042.9	1034.4	1042.9	1051.5	1038.7
30°	889.2	914.8	945.5	975.4	1004.6	1024.8	1018.3	1011.7	1018.3	1024.8	1004.6
32.5°	837.4	864.1	896.0	930.1	966.5	993.2	990.7	988.2	990.7	993.2	966.5
35°	761.5	788.0	820.2	859.2	905.0	940.4	945.0	949.5	945.0	940.4	905.0
37.5°	685.2	713.1	746.8	788.0	836.8	876.8	890.3	903.8	890.3	876.8	836.8
40°	634.5	662.4	696.1	738.4	789.2	832.0	851.1	870.3	851.1	832.0	789.2
42.5°	586.4	614.4	648.1	690.4	741.2	785.3	809.2	833.1	809.2	785.3	741.2
45°	515.7	542.8	575.5	617.8	669.6	715.5	743.6	771.8	743.6	715.5	669.6
47.5°	450.0	476.0	507.7	549.4	601.1	646.8	674.8	702.8	674.8	646.8	601.1
50°	406.9	433.4	465.1	505.6	554.9	598.7	625.8	653.0	625.8	598.7	554.9
52.5°	362.4	390.6	423.1	463.4	511.4	553.6	577.9	602.3	577.9	553.6	511.4
55°	295.5	324.8	361.0	401.7	447.0	486.7	509.9	533.0	509.9	486.7	447.0
57.5°	248.8	275.2	308.1	345.0	386.0	421.7	441.7	461.7	441.7	421.7	386.0
60°	223.4	246.0	273.6	307.3	347.0	381.2	398.9	416.5	398.9	381.2	347.0
62.5°	200.2	218.2	240.2	270.5	309.0	341.8	357.4	373.0	357.4	341.8	309.0
65°	167.4	182.2	200.3	225.5	257.6	284.7	296.2	307.8	296.2	284.7	257.6
67.5°	137.5	150.2	166.1	186.5	211.3	231.6	238.0	244.4	238.0	231.6	211.3
70°	120.5	130.9	144.0	161.3	183.0	199.7	201.7	203.7	201.7	199.7	183.0
72.5°	104.4	112.5	122.7	137.3	156.1	170.0	169.2	168.4	169.2	170.0	156.1
75°	82.4	87.9	94.9	105.2	118.8	128.0	124.0	120.0	124.0	128.0	118.8
77.5°	60.9	65.0	70.3	77.9	87.8	93.8	87.7	81.7	87.7	93.8	87.8
80°	47.5	50.5	54.6	60.4	67.9	72.1	66.0	60.0	66.0	72.1	67.9
82.5°	35.8	37.3	39.3	43.1	48.6	51.5	46.7	41.9	46.7	51.5	48.6
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°	7.5	7.5	7.9	8.9	10.3	10.6	8.2	6.1	8.2	10.3	10.7
90°	23.7	22.6	22.6	21.5	18.1	13.6	7.9	3.4	7.9	12.4	20.3
92.5°	28.3	28.0	26.2	24.2	19.9	19.9	19.7	12.4	21.5	30.5	43.9
95°	26.0	26.0	30.5	38.4	56.5	57.7	38.4	35.0	49.7	70.1	88.2
97.5°	70.3	83.7	102.6	106.3	100.6	75.1	71.9	66.9	91.1	111.2	140.4
100°	130.0	147.0	160.5	133.4	105.1	104.0	97.2	95.0	121.0	140.2	168.4
102.5°	203.3	208.5	161.4	146.1	139.5	134.8	124.4	123.0	149.0	175.5	199.2
105°	220.4	197.8	199.0	199.0	194.4	185.4	166.2	165.1	194.4	225.0	254.4
107.5°	259.3	262.7	268.6	267.2	262.0	237.9	215.2	210.0	236.5	273.1	305.5
110°	310.9	314.3	316.5	314.3	306.4	275.8	248.7	240.8	264.5	303.0	338.0



TEST NUMBER: P1428396

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	360.6	363.1	368.1	361.3	348.0	312.9	282.2	270.6	294.4	333.7	369.7
115°	439.8	439.8	440.9	437.5	410.4	374.2	333.5	316.5	336.9	373.1	412.6
117.5°	517.5	518.9	514.4	505.3	473.9	431.8	386.2	359.0	375.1	413.3	454.0
120°	566.4	568.6	564.1	550.6	520.0	472.5	420.5	388.9	401.3	438.6	479.3
122.5°	617.0	616.6	611.1	595.8	559.8	510.5	459.4	420.5	425.7	460.3	500.1
125°	687.3	686.2	681.7	663.6	626.3	575.4	515.5	468.0	461.2	490.6	531.3
127.5°	754.3	751.8	744.8	722.8	684.6	635.6	569.8	516.0	500.8	519.4	556.7
130°	800.4	797.0	784.6	760.8	723.5	677.2	610.5	549.4	527.9	539.2	572.0
132.5°	844.7	835.0	824.4	798.8	764.2	716.1	648.5	584.7	555.1	560.0	585.6
135°	901.0	892.0	878.4	853.5	820.7	773.3	705.4	636.5	595.8	591.2	605.9
137.5°	950.5	941.0	925.7	904.2	871.2	828.9	763.8	691.0	639.6	624.5	630.1
140°	981.3	970.0	956.4	934.9	905.5	861.4	798.1	728.0	670.4	648.9	645.5
142.5°	1006.6	998.0	983.5	963.9	938.1	894.0	832.5	763.3	702.0	674.2	666.3
145°	1044.6	1037.8	1022.0	1003.9	982.4	938.3	881.8	812.8	751.8	715.6	698.6
147.5°	1076.7	1071.3	1058.8	1037.6	1019.5	977.2	925.7	864.6	802.0	757.2	735.3
150°	1096.6	1092.1	1079.6	1059.3	1041.2	1001.6	951.9	895.4	835.4	788.0	759.7
152.5°	1115.6	1111.1	1096.8	1076.5	1061.1	1024.2	979.0	925.2	864.4	816.9	787.7
155°	1140.7	1135.0	1121.5	1102.2	1088.7	1054.8	1012.9	965.4	913.4	863.7	830.9
157.5°	1160.6	1153.6	1140.9	1124.4	1109.9	1078.7	1042.3	1001.4	955.9	908.5	875.0
160°	1172.3	1164.4	1150.8	1136.1	1122.6	1093.2	1060.4	1023.1	981.3	938.3	902.1
162.5°	1180.5	1173.5	1157.2	1144.3	1132.5	1105.9	1074.9	1041.2	1003.9	966.3	932.9
165°	1189.3	1181.4	1164.4	1154.2	1144.1	1121.5	1094.3	1067.2	1035.5	1005.0	977.9
167.5°	1190.0	1183.4	1166.4	1156.5	1149.0	1129.6	1107.7	1086.9	1062.2	1038.2	1015.6
170°	1188.2	1182.5	1165.5	1156.5	1150.8	1135.0	1115.8	1097.7	1078.5	1058.1	1040.1
172.5°	1181.8	1176.2	1160.1	1152.9	1149.9	1135.9	1120.3	1106.8	1090.3	1075.3	1060.9
175°	1165.5	1161.0	1147.5	1142.9	1144.1	1135.0	1123.7	1115.8	1105.6	1096.6	1088.7
177.5°	1141.8	1139.1	1129.1	1129.1	1132.8	1127.3	1123.7	1120.1	1115.6	1112.9	1110.1
180°	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2



TEST NUMBER: P1428396

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1188.3	1188.3	1188.3	1188.3	1188.3	1188.3	1188.3	1188.3	1188.3	1188.3	1188.3
2.5°	1187.8	1185.7	1186.1	1186.8	1188.0	1189.2	1188.0	1186.8	1186.1	1185.7	1187.8
5°	1187.1	1185.1	1185.6	1187.1	1191.7	1196.2	1191.7	1187.1	1185.6	1185.1	1187.1
7.5°	1183.4	1182.6	1184.3	1186.7	1191.1	1195.5	1191.1	1186.7	1184.3	1182.6	1183.4
10°	1179.6	1179.3	1181.8	1184.7	1188.8	1192.8	1188.8	1184.7	1181.8	1179.3	1179.6
12.5°	1174.7	1175.0	1177.9	1181.1	1185.1	1189.2	1185.1	1181.1	1177.9	1175.0	1174.7
15°	1163.6	1165.1	1168.6	1171.9	1174.4	1176.9	1174.4	1171.9	1168.6	1165.1	1163.6
17.5°	1145.4	1145.5	1146.4	1147.4	1148.6	1149.8	1148.6	1147.4	1146.4	1145.5	1145.4
20°	1131.3	1128.8	1125.3	1122.6	1122.6	1122.6	1122.6	1122.6	1125.3	1128.8	1131.3
22.5°	1111.5	1104.9	1095.4	1087.4	1084.2	1081.0	1084.2	1087.4	1095.4	1104.9	1111.5
25°	1072.2	1057.4	1037.7	1021.1	1013.6	1006.1	1013.6	1021.1	1037.7	1057.4	1072.2
27.5°	1018.7	994.8	967.0	943.5	933.0	922.5	933.0	943.5	967.0	994.8	1018.7
30°	975.4	945.5	914.8	889.2	879.2	869.1	879.2	889.2	914.8	945.5	975.4
32.5°	930.1	896.0	864.1	837.4	826.6	815.7	826.6	837.4	864.1	896.0	930.1
35°	859.2	820.2	788.0	761.5	751.9	742.4	751.9	761.5	788.0	820.2	859.2
37.5°	788.0	746.8	713.1	685.2	674.6	664.1	674.6	685.2	713.1	746.8	788.0
40°	738.4	696.1	662.4	634.5	623.9	613.4	623.9	634.5	662.4	696.1	738.4
42.5°	690.4	648.1	614.4	586.4	575.4	564.5	575.4	586.4	614.4	648.1	690.4
45°	617.8	575.5	542.8	515.7	505.1	494.5	505.1	515.7	542.8	575.5	617.8
47.5°	549.4	507.7	476.0	450.0	440.9	431.8	440.9	450.0	476.0	507.7	549.4
50°	505.6	465.1	433.4	406.9	395.8	384.8	395.8	406.9	433.4	465.1	505.6
52.5°	463.4	423.1	390.6	362.4	347.3	332.3	347.3	362.4	390.6	423.1	463.4
55°	401.7	361.0	324.8	295.5	286.9	278.4	286.9	295.5	324.8	361.0	401.7
57.5°	345.0	308.1	275.2	248.8	241.8	234.7	241.8	248.8	275.2	308.1	345.0
60°	307.3	273.6	246.0	223.4	216.4	209.4	216.4	223.4	246.0	273.6	307.3
62.5°	270.5	240.2	218.2	200.2	194.4	188.5	194.4	200.2	218.2	240.2	270.5
65°	225.5	200.3	182.2	167.4	162.3	157.3	162.3	167.4	182.2	200.3	225.5
67.5°	186.5	166.1	150.2	137.5	134.1	130.8	134.1	137.5	150.2	166.1	186.5
70°	161.3	144.0	130.9	120.5	117.9	115.4	117.9	120.5	130.9	144.0	161.3
72.5°	137.3	122.7	112.5	104.4	102.7	100.9	102.7	104.4	112.5	122.7	137.3
75°	105.2	94.9	87.9	82.4	81.4	80.3	81.4	82.4	87.9	94.9	105.2
77.5°	77.9	70.3	65.0	60.9	60.1	59.3	60.1	60.9	65.0	70.3	77.9
80°	60.4	54.6	50.5	47.5	47.5	47.5	47.5	47.5	50.5	54.6	60.4
82.5°	43.1	39.3	37.3	35.8	35.8	35.8	35.8	35.8	37.3	39.3	43.1
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°	9.8	10.2	11.4	12.0	12.9	12.4	12.9	12.0	11.4	10.2	9.8
90°	26.0	33.9	41.8	46.4	50.9	48.6	50.9	46.4	41.8	33.9	26.0
92.5°	52.2	65.6	75.3	83.4	87.0	86.6	87.0	83.4	75.3	65.6	52.2
95°	105.1	121.0	136.8	148.1	154.9	152.6	154.9	148.1	136.8	121.0	105.1
97.5°	162.1	183.4	201.0	211.6	218.4	222.9	218.4	211.6	201.0	183.4	162.1
100°	200.1	220.4	240.8	253.2	264.5	269.1	264.5	253.2	240.8	220.4	200.1
102.5°	230.8	257.5	279.7	293.0	302.5	307.0	302.5	293.0	279.7	257.5	230.8
105°	281.5	309.8	333.5	350.5	360.6	364.0	360.6	350.5	333.5	309.8	281.5
107.5°	332.1	361.3	383.2	402.0	414.4	421.7	414.4	402.0	383.2	361.3	332.1
110°	371.9	395.7	419.4	436.4	448.8	453.3	448.8	436.4	419.4	395.7	371.9



TEST NUMBER: P1428396

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	405.4	431.8	455.6	472.5	486.8	493.1	486.8	472.5	455.6	431.8	405.4
115°	452.2	487.2	508.7	524.6	534.7	540.4	534.7	524.6	508.7	487.2	452.2
117.5°	491.1	527.7	551.2	563.4	568.2	572.3	568.2	563.4	551.2	527.7	491.1
120°	515.5	549.4	576.6	592.4	598.0	600.3	598.0	592.4	576.6	549.4	515.5
122.5°	538.1	570.2	596.5	615.9	625.2	627.4	625.2	615.9	596.5	570.2	538.1
125°	569.8	600.3	627.4	646.6	656.8	662.5	656.8	646.6	627.4	600.3	569.8
127.5°	597.4	630.4	655.2	672.6	682.6	687.1	682.6	672.6	655.2	630.4	597.4
130°	612.7	646.6	671.5	690.7	699.8	704.3	699.8	690.7	671.5	646.6	612.7
132.5°	624.5	660.2	686.0	703.4	713.3	717.9	713.3	703.4	686.0	660.2	624.5
135°	638.7	676.0	703.2	720.1	729.2	733.7	729.2	720.1	703.2	676.0	638.7
137.5°	651.2	685.1	713.3	731.2	739.3	742.3	739.3	731.2	713.3	685.1	651.2
140°	660.2	689.6	717.9	734.8	743.9	745.0	743.9	734.8	717.9	689.6	660.2
142.5°	672.0	695.0	719.7	736.6	745.7	747.7	745.7	736.6	719.7	695.0	672.0
145°	693.0	706.6	723.5	739.3	747.3	749.5	747.3	739.3	723.5	706.6	693.0
147.5°	719.4	723.7	732.6	743.0	750.6	752.2	750.6	743.0	732.6	723.7	719.4
150°	739.3	738.2	741.6	748.4	755.2	754.0	755.2	748.4	741.6	738.2	739.3
152.5°	762.0	755.4	755.2	758.3	761.5	761.3	761.5	758.3	755.2	755.4	762.0
155°	800.4	788.0	781.2	778.9	778.9	777.8	778.9	778.9	781.2	788.0	800.4
157.5°	842.7	825.3	815.1	809.7	808.1	805.6	808.1	809.7	815.1	825.3	842.7
160°	871.6	852.4	842.2	833.2	829.8	826.4	829.8	833.2	842.2	852.4	871.6
162.5°	898.7	880.4	869.4	861.2	857.8	852.6	857.8	861.2	869.4	880.4	898.7
165°	942.8	923.6	911.2	904.4	899.9	895.4	899.9	904.4	911.2	923.6	942.8
167.5°	986.9	965.9	957.8	950.1	945.8	937.6	945.8	950.1	957.8	965.9	986.9
170°	1014.1	994.8	990.3	983.5	975.6	966.6	975.6	983.5	990.3	994.8	1014.1
172.5°	1037.6	1024.7	1020.2	1013.4	1010.9	1003.7	1010.9	1013.4	1020.2	1024.7	1037.6
175°	1071.7	1061.5	1061.5	1060.4	1057.0	1050.2	1057.0	1060.4	1061.5	1061.5	1071.7
177.5°	1100.2	1094.8	1098.4	1098.4	1097.5	1091.2	1097.5	1098.4	1098.4	1094.8	1100.2
180°	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2	1119.2



TEST NUMBER: P1428396

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1188.3	1188.3	1188.3	1188.3
2.5°	1192.2	1193.8	1187.0	1180.1
5°	1191.7	1192.9	1184.4	1175.8
7.5°	1186.8	1187.2	1178.6	1169.9
10°	1182.6	1182.6	1173.5	1164.5
12.5°	1176.9	1176.2	1166.7	1157.3
15°	1164.1	1162.0	1151.9	1141.9
17.5°	1146.1	1144.1	1134.0	1124.0
20°	1132.8	1131.4	1121.4	1111.3
22.5°	1115.0	1114.9	1104.1	1093.2
25°	1082.3	1087.2	1076.6	1066.0
27.5°	1038.7	1051.5	1042.9	1034.4
30°	1004.6	1024.8	1018.3	1011.7
32.5°	966.5	993.2	990.7	988.2
35°	905.0	940.4	945.0	949.5
37.5°	836.8	876.8	890.3	903.8
40°	789.2	832.0	851.1	870.3
42.5°	741.2	785.3	809.2	833.1
45°	669.6	715.5	743.6	771.8
47.5°	601.1	646.8	674.8	702.8
50°	554.9	598.7	625.8	653.0
52.5°	511.4	553.6	577.9	602.3
55°	447.0	486.7	509.9	533.0
57.5°	386.0	421.7	441.7	461.7
60°	347.0	381.2	398.9	416.5
62.5°	309.0	341.8	357.4	373.0
65°	257.6	284.7	296.2	307.8
67.5°	211.3	231.6	238.0	244.4
70°	183.0	199.7	201.7	203.7
72.5°	156.1	170.0	169.2	168.4
75°	118.8	128.0	124.0	120.0
77.5°	87.8	93.8	87.7	81.7
80°	67.9	72.1	66.0	60.0
82.5°	48.6	51.5	46.7	41.9
85°	24.5	25.4	22.9	20.4
87.5°	10.7	10.3	8.2	6.1
90°	20.3	12.4	7.9	3.4
92.5°	43.9	30.5	21.5	12.4
95°	88.2	70.1	49.7	35.0
97.5°	140.4	111.2	91.1	66.9
100°	168.4	140.2	121.0	95.0
102.5°	199.2	175.5	149.0	123.0
105°	254.4	225.0	194.4	165.1
107.5°	305.5	273.1	236.5	210.0
110°	338.0	303.0	264.5	240.8



TEST NUMBER: P1428396

CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	369.7	333.7	294.4	270.6
115°	412.6	373.1	336.9	316.5
117.5°	454.0	413.3	375.1	359.0
120°	479.3	438.6	401.3	388.9
122.5°	500.1	460.3	425.7	420.5
125°	531.3	490.6	461.2	468.0
127.5°	556.7	519.4	500.8	516.0
130°	572.0	539.2	527.9	549.4
132.5°	585.6	560.0	555.1	584.7
135°	605.9	591.2	595.8	636.5
137.5°	630.1	624.5	639.6	691.0
140°	645.5	648.9	670.4	728.0
142.5°	666.3	674.2	702.0	763.3
145°	698.6	715.6	751.8	812.8
147.5°	735.3	757.2	802.0	864.6
150°	759.7	788.0	835.4	895.4
152.5°	787.7	816.9	864.4	925.2
155°	830.9	863.7	913.4	965.4
157.5°	875.0	908.5	955.9	1001.4
160°	902.1	938.3	981.3	1023.1
162.5°	932.9	966.3	1003.9	1041.2
165°	977.9	1005.0	1035.5	1067.2
167.5°	1015.6	1038.2	1062.2	1086.9
170°	1040.1	1058.1	1078.5	1097.7
172.5°	1060.9	1075.3	1090.3	1106.8
175°	1088.7	1096.6	1105.6	1115.8
177.5°	1110.1	1112.9	1115.6	1120.1
180°	1119.2	1119.2	1119.2	1119.2



TEST NUMBER: P1428396
 CATALOG NUMBER: SQ2W-PW1-K-075U-050D-L835-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	16.66	17.44	17.67	18.46	19.80	12.91	13.69	13.92	14.70	16.05
	3H	17.96	18.66	18.97	19.68	21.05	14.17	14.87	15.19	15.89	17.26
	4H	18.36	19.02	19.39	20.05	21.42	14.67	15.34	15.71	16.36	17.74
	6H	18.54	19.15	19.58	20.18	21.56	14.98	15.59	16.02	16.62	18.01
	8H	18.58	19.16	19.62	20.20	21.59	15.09	15.67	16.14	16.72	18.10
	12H	18.58	19.13	19.63	20.16	21.57	15.12	15.67	16.17	16.71	18.11
4H	2H	16.78	17.44	17.82	18.47	19.85	13.71	14.37	14.75	15.40	16.77
	3H	18.31	18.86	19.36	19.92	21.31	15.15	15.70	16.19	16.75	18.14
	4H	18.86	19.36	19.91	20.41	21.82	15.72	16.23	16.78	17.27	18.68
	6H	19.16	19.60	20.23	20.66	22.07	16.10	16.53	17.16	17.60	19.01
	8H	19.25	19.66	20.32	20.72	22.14	16.25	16.65	17.31	17.72	19.14
	12H	19.27	19.64	20.35	20.71	22.14	16.29	16.65	17.37	17.73	19.16
8H	4H	18.89	19.29	19.95	20.35	21.78	16.06	16.46	17.12	17.52	18.95
	6H	19.31	19.64	20.39	20.74	22.16	16.55	16.88	17.64	17.99	19.41
	8H	19.48	19.77	20.57	20.86	22.30	16.77	17.06	17.86	18.15	19.59
	12H	19.55	19.81	20.65	20.89	22.37	16.85	17.11	17.95	18.19	19.67
12H	4H	18.85	19.21	19.93	20.28	21.71	16.08	16.44	17.16	17.51	18.94
	6H	19.30	19.59	20.40	20.68	22.12	16.63	16.92	17.72	18.00	19.44
	8H	19.49	19.75	20.58	20.83	22.31	16.87	17.12	17.96	18.20	19.68