

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: P1428348

Luminaire Tested: SQ2W-PW1-K-025U-050D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428348
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-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 250 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

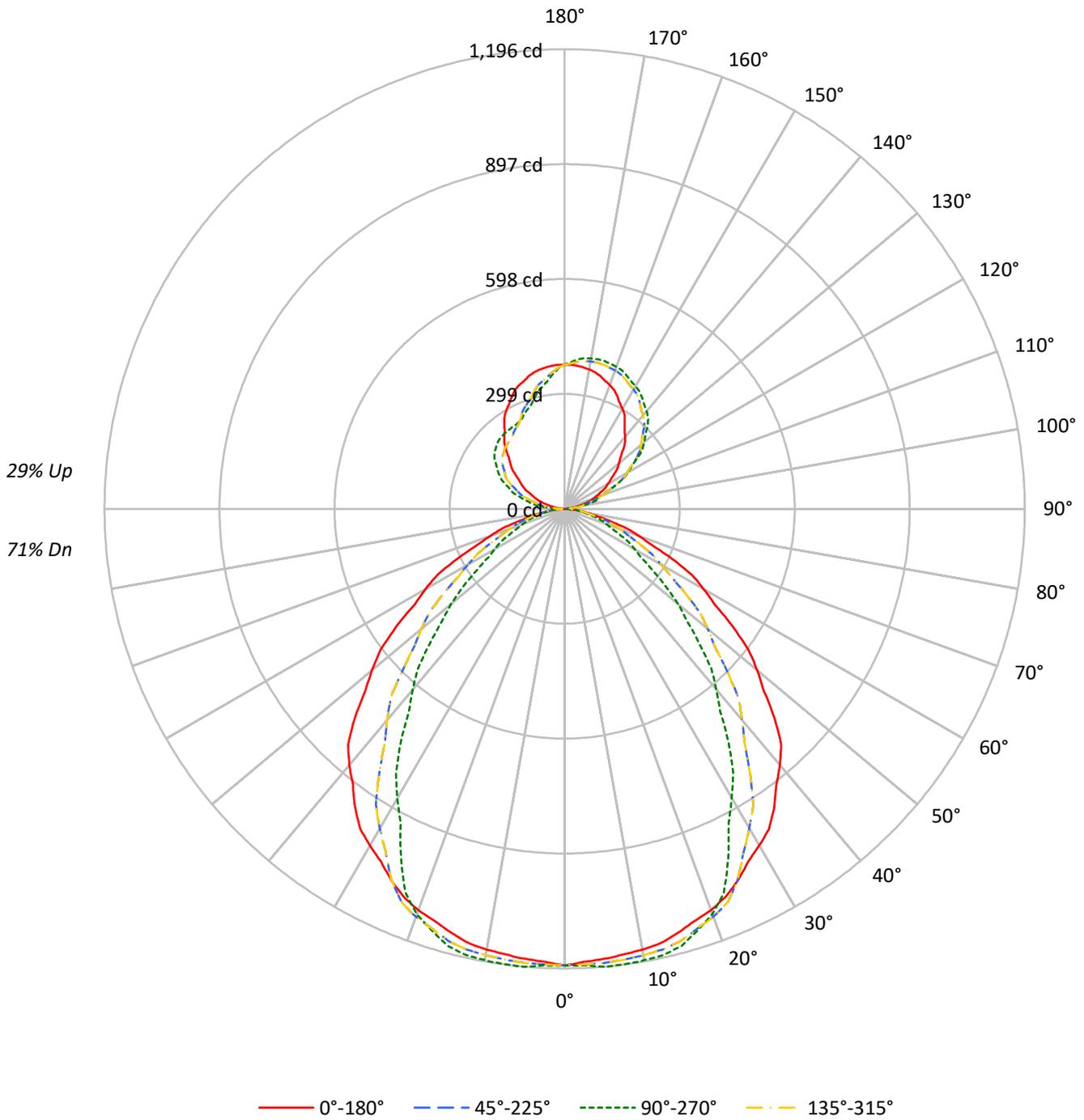
Lumens per Lamp: N/A
Luminaire Lumens: 3733.7 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

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

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

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.1	3.0
10°-20°	327.8	8.8
20°-30°	482.5	12.9
30°-40°	527.5	14.1
40°-50°	473.2	12.7
50°-60°	353.0	9.5
60°-70°	223.1	6.0
70°-80°	110.5	3.0
80°-90°	27.4	0.7
90°-100°	29.9	0.8
100°-110°	87.1	2.3
110°-120°	142.1	3.8
120°-130°	180.3	4.8
130°-140°	192.9	5.2
140°-150°	180.2	4.8
150°-160°	148.3	4.0
160°-170°	99.4	2.7
170°-180°	35.3	0.9
0°-30°	923.5	24.7
0°-40°	1451.0	38.9
0°-60°	2277.2	61.0
0°-90°	2638.3	70.7
90°-120°	259.0	6.9
90°-150°	812.5	21.8
90°-180°	1095.0	29.3
0°-180°	3733.7	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°	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	105
125°	157	233	157	222	157	140
135°	213	305	213	246	213	165
145°	272	352	272	251	272	170
155°	324	382	324	261	324	149
165°	358	398	358	300	358	101
175°	374	390	374	352	374	35
180°	375	375	375	375	375	



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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°	5.7	7.2	8.8	7.9	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	9.9	9.9	9.9
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	25.2	33.7	35.6	34.4	28.0	23.6	21.1	19.9	21.1
100°	31.8	32.6	34.9	35.2	44.7	53.8	49.3	43.6	41.7	40.5	41.7
102.5°	41.2	41.7	45.2	46.8	49.0	54.1	69.9	68.1	66.9	66.6	66.9
105°	55.3	55.7	62.2	65.2	66.7	66.7	66.3	73.9	86.0	88.7	86.0
107.5°	70.4	72.2	79.7	87.8	89.6	90.0	88.1	86.9	86.5	86.8	86.5
110°	80.7	83.4	92.5	102.7	105.4	106.1	105.4	104.2	103.5	103.5	103.5



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CATALOG NUMBER: SQ2W-PW1-K-025U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	90.7	94.6	104.9	116.6	121.1	123.4	121.7	120.9	120.1	120.7	120.1
115°	106.1	111.8	125.4	137.6	146.7	147.8	147.4	147.4	147.0	147.0	147.0
117.5°	120.4	129.5	144.8	158.9	169.4	172.4	173.9	173.5	173.0	173.8	173.0
120°	130.4	141.0	158.4	174.3	184.6	189.1	190.6	189.9	190.6	189.9	190.6
122.5°	141.0	154.0	171.1	187.7	199.7	204.9	206.7	206.8	207.0	206.5	207.0
125°	156.9	172.8	192.9	209.9	222.5	228.5	230.0	230.4	231.2	233.1	231.2
127.5°	173.0	191.0	213.1	229.5	242.3	249.7	252.0	252.8	254.4	255.3	254.4
130°	184.2	204.6	227.0	242.5	255.0	263.0	267.2	268.3	270.2	269.8	270.2
132.5°	196.0	217.4	240.0	256.2	267.8	276.3	279.9	283.2	283.8	284.4	283.8
135°	213.4	236.5	259.2	275.1	286.1	294.5	299.0	302.0	303.9	305.1	303.9
137.5°	231.6	256.0	277.9	292.0	303.1	310.3	315.5	318.6	320.6	321.5	320.6
140°	244.1	267.6	288.8	303.6	313.4	320.6	325.2	328.9	331.2	331.2	331.2
142.5°	255.9	279.1	299.7	314.5	323.1	329.7	334.6	337.4	340.0	340.0	340.0
145°	272.5	295.6	314.5	329.3	336.5	342.6	347.9	350.2	351.7	351.7	351.7
147.5°	289.8	310.3	327.6	341.8	347.8	354.9	359.1	360.9	362.8	362.0	362.8
150°	300.1	319.1	335.8	349.0	355.1	361.9	366.1	367.6	369.5	368.4	369.5
152.5°	310.1	328.2	343.3	355.7	360.9	367.7	372.5	374.0	375.3	374.4	375.3
155°	323.6	339.6	353.6	364.9	369.5	375.9	380.5	382.4	383.9	382.0	383.9
157.5°	335.7	349.4	361.6	372.1	376.9	382.5	386.7	389.1	390.6	389.7	390.6
160°	343.0	355.5	366.5	376.3	380.9	385.8	390.3	393.0	394.5	393.4	394.5
162.5°	349.0	360.3	370.7	379.7	383.6	387.9	393.4	395.7	397.2	395.8	397.2
165°	357.7	366.8	375.9	383.5	386.9	390.3	396.0	398.7	399.8	398.3	399.8
167.5°	364.3	371.3	378.7	385.2	387.7	391.0	396.7	398.9	400.3	398.4	400.3
170°	368.0	374.0	380.5	385.8	387.7	390.7	396.4	398.3	399.4	397.5	399.4
172.5°	371.0	375.6	380.8	385.5	386.5	388.9	394.3	396.2	397.0	395.4	397.0
175°	374.0	376.7	380.5	383.5	383.1	384.7	389.2	390.7	392.2	390.0	392.2
177.5°	375.5	376.7	377.9	379.7	378.5	378.5	381.9	382.8	383.1	381.9	383.1
180°	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2



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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°	4.3	4.5	4.9	6.1	7.9	8.8	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	29.6
97.5°	23.6	28.0	34.4	35.6	33.7	25.2	24.1	22.4	30.5	37.3	47.1
100°	43.6	49.3	53.8	44.7	35.2	34.9	32.6	31.8	40.5	47.0	56.5
102.5°	68.1	69.9	54.1	49.0	46.8	45.2	41.7	41.2	49.9	58.8	66.8
105°	73.9	66.3	66.7	66.7	65.2	62.2	55.7	55.3	65.2	75.4	85.3
107.5°	86.9	88.1	90.0	89.6	87.8	79.7	72.2	70.4	79.3	91.6	102.4
110°	104.2	105.4	106.1	105.4	102.7	92.5	83.4	80.7	88.7	101.6	113.3



TEST NUMBER: P1428348

CATALOG NUMBER: SQ2W-PW1-K-025U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	120.9	121.7	123.4	121.1	116.6	104.9	94.6	90.7	98.7	111.9	123.9
115°	147.4	147.4	147.8	146.7	137.6	125.4	111.8	106.1	112.9	125.1	138.3
117.5°	173.5	173.9	172.4	169.4	158.9	144.8	129.5	120.4	125.7	138.6	152.2
120°	189.9	190.6	189.1	184.6	174.3	158.4	141.0	130.4	134.5	147.0	160.7
122.5°	206.8	206.7	204.9	199.7	187.7	171.1	154.0	141.0	142.7	154.3	167.7
125°	230.4	230.0	228.5	222.5	209.9	192.9	172.8	156.9	154.6	164.5	178.1
127.5°	252.8	252.0	249.7	242.3	229.5	213.1	191.0	173.0	167.9	174.1	186.6
130°	268.3	267.2	263.0	255.0	242.5	227.0	204.6	184.2	177.0	180.8	191.8
132.5°	283.2	279.9	276.3	267.8	256.2	240.0	217.4	196.0	186.1	187.7	196.3
135°	302.0	299.0	294.5	286.1	275.1	259.2	236.5	213.4	199.7	198.2	203.1
137.5°	318.6	315.5	310.3	303.1	292.0	277.9	256.0	231.6	214.4	209.3	211.2
140°	328.9	325.2	320.6	313.4	303.6	288.8	267.6	244.1	224.7	217.5	216.4
142.5°	337.4	334.6	329.7	323.1	314.5	299.7	279.1	255.9	235.3	226.0	223.4
145°	350.2	347.9	342.6	336.5	329.3	314.5	295.6	272.5	252.0	239.9	234.2
147.5°	360.9	359.1	354.9	347.8	341.8	327.6	310.3	289.8	268.8	253.8	246.5
150°	367.6	366.1	361.9	355.1	349.0	335.8	319.1	300.1	280.1	264.1	254.7
152.5°	374.0	372.5	367.7	360.9	355.7	343.3	328.2	310.1	289.8	273.8	264.1
155°	382.4	380.5	375.9	369.5	364.9	353.6	339.6	323.6	306.2	289.5	278.5
157.5°	389.1	386.7	382.5	376.9	372.1	361.6	349.4	335.7	320.5	304.5	293.3
160°	393.0	390.3	385.8	380.9	376.3	366.5	355.5	343.0	328.9	314.5	302.4
162.5°	395.7	393.4	387.9	383.6	379.7	370.7	360.3	349.0	336.5	323.9	312.7
165°	398.7	396.0	390.3	386.9	383.5	375.9	366.8	357.7	347.1	336.9	327.8
167.5°	398.9	396.7	391.0	387.7	385.2	378.7	371.3	364.3	356.1	348.0	340.5
170°	398.3	396.4	390.7	387.7	385.8	380.5	374.0	368.0	361.5	354.7	348.7
172.5°	396.2	394.3	388.9	386.5	385.5	380.8	375.6	371.0	365.5	360.5	355.6
175°	390.7	389.2	384.7	383.1	383.5	380.5	376.7	374.0	370.6	367.6	364.9
177.5°	382.8	381.9	378.5	378.5	379.7	377.9	376.7	375.5	374.0	373.1	372.1
180°	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2



TEST NUMBER: P1428348

CATALOG NUMBER: SQ2W-PW1-K-025U-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°	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	17.1	16.3	17.1	15.5	14.0	11.4	8.7
92.5°	17.5	22.0	25.2	28.0	29.2	29.0	29.2	28.0	25.2	22.0	17.5
95°	35.2	40.5	45.9	49.6	51.9	51.2	51.9	49.6	45.9	40.5	35.2
97.5°	54.3	61.5	67.4	70.9	73.2	74.7	73.2	70.9	67.4	61.5	54.3
100°	67.1	73.9	80.7	84.9	88.7	90.2	88.7	84.9	80.7	73.9	67.1
102.5°	77.4	86.3	93.8	98.2	101.4	102.9	101.4	98.2	93.8	86.3	77.4
105°	94.4	103.8	111.8	117.5	120.9	122.0	120.9	117.5	111.8	103.8	94.4
107.5°	111.3	121.1	128.5	134.8	138.9	141.4	138.9	134.8	128.5	121.1	111.3
110°	124.7	132.6	140.6	146.3	150.5	152.0	150.5	146.3	140.6	132.6	124.7



TEST NUMBER: P1428348

CATALOG NUMBER: SQ2W-PW1-K-025U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	135.9	144.8	152.7	158.4	163.2	165.3	163.2	158.4	152.7	144.8	135.9
115°	151.6	163.3	170.5	175.8	179.3	181.1	179.3	175.8	170.5	163.3	151.6
117.5°	164.6	176.9	184.8	188.9	190.5	191.8	190.5	188.9	184.8	176.9	164.6
120°	172.8	184.2	193.3	198.6	200.5	201.2	200.5	198.6	193.3	184.2	172.8
122.5°	180.4	191.2	199.9	206.5	209.6	210.3	209.6	206.5	199.9	191.2	180.4
125°	191.0	201.2	210.3	216.8	220.2	222.1	220.2	216.8	210.3	201.2	191.0
127.5°	200.2	211.3	219.7	225.5	228.8	230.3	228.8	225.5	219.7	211.3	200.2
130°	205.4	216.8	225.1	231.6	234.6	236.1	234.6	231.6	225.1	216.8	205.4
132.5°	209.3	221.3	230.0	235.8	239.1	240.6	239.1	235.8	230.0	221.3	209.3
135°	214.1	226.6	235.7	241.4	244.4	246.0	244.4	241.4	235.7	226.6	214.1
137.5°	218.3	229.7	239.1	245.1	247.8	248.8	247.8	245.1	239.1	229.7	218.3
140°	221.3	231.2	240.6	246.3	249.4	249.7	249.4	246.3	240.6	231.2	221.3
142.5°	225.3	233.0	241.3	246.9	250.0	250.7	250.0	246.9	241.3	233.0	225.3
145°	232.3	236.9	242.5	247.8	250.5	251.3	250.5	247.8	242.5	236.9	232.3
147.5°	241.2	242.6	245.6	249.1	251.6	252.2	251.6	249.1	245.6	242.6	241.2
150°	247.8	247.5	248.6	250.9	253.2	252.8	253.2	250.9	248.6	247.5	247.8
152.5°	255.4	253.2	253.2	254.2	255.3	255.2	255.3	254.2	253.2	253.2	255.4
155°	268.3	264.1	261.9	261.1	261.1	260.7	261.1	261.1	261.9	264.1	268.3
157.5°	282.5	276.6	273.2	271.4	270.9	270.1	270.9	271.4	273.2	276.6	282.5
160°	292.2	285.7	282.3	279.3	278.2	277.0	278.2	279.3	282.3	285.7	292.2
162.5°	301.3	295.1	291.4	288.7	287.6	285.8	287.6	288.7	291.4	295.1	301.3
165°	316.1	309.6	305.4	303.2	301.7	300.1	301.7	303.2	305.4	309.6	316.1
167.5°	330.8	323.8	321.1	318.5	317.0	314.3	317.0	318.5	321.1	323.8	330.8
170°	339.9	333.5	332.0	329.7	327.1	324.0	327.1	329.7	332.0	333.5	339.9
172.5°	347.8	343.5	342.0	339.7	338.9	336.4	338.9	339.7	342.0	343.5	347.8
175°	359.3	355.9	355.9	355.5	354.3	352.1	354.3	355.5	355.9	355.9	359.3
177.5°	368.8	367.0	368.2	368.2	367.9	365.8	367.9	368.2	368.2	367.0	368.8
180°	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2	375.2



TEST NUMBER: P1428348

CATALOG NUMBER: SQ2W-PW1-K-025U-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°	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°	29.6	23.5	16.7	11.7
97.5°	47.1	37.3	30.5	22.4
100°	56.5	47.0	40.5	31.8
102.5°	66.8	58.8	49.9	41.2
105°	85.3	75.4	65.2	55.3
107.5°	102.4	91.6	79.3	70.4
110°	113.3	101.6	88.7	80.7

TEST NUMBER: P1428348

CATALOG NUMBER: SQ2W-PW1-K-025U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	123.9	111.9	98.7	90.7
115°	138.3	125.1	112.9	106.1
117.5°	152.2	138.6	125.7	120.4
120°	160.7	147.0	134.5	130.4
122.5°	167.7	154.3	142.7	141.0
125°	178.1	164.5	154.6	156.9
127.5°	186.6	174.1	167.9	173.0
130°	191.8	180.8	177.0	184.2
132.5°	196.3	187.7	186.1	196.0
135°	203.1	198.2	199.7	213.4
137.5°	211.2	209.3	214.4	231.6
140°	216.4	217.5	224.7	244.1
142.5°	223.4	226.0	235.3	255.9
145°	234.2	239.9	252.0	272.5
147.5°	246.5	253.8	268.8	289.8
150°	254.7	264.1	280.1	300.1
152.5°	264.1	273.8	289.8	310.1
155°	278.5	289.5	306.2	323.6
157.5°	293.3	304.5	320.5	335.7
160°	302.4	314.5	328.9	343.0
162.5°	312.7	323.9	336.5	349.0
165°	327.8	336.9	347.1	357.7
167.5°	340.5	348.0	356.1	364.3
170°	348.7	354.7	361.5	368.0
172.5°	355.6	360.5	365.5	371.0
175°	364.9	367.6	370.6	374.0
177.5°	372.1	373.1	374.0	375.5
180°	375.2	375.2	375.2	375.2

TEST NUMBER: P1428348

CATALOG NUMBER: SQ2W-PW1-K-025U-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	18.93	19.95	19.69	20.73	21.68	15.18	16.20	15.94	16.98	17.93
	3H	20.24	21.16	21.02	21.95	22.92	16.46	17.37	17.24	18.16	19.14
	4H	20.66	21.52	21.46	22.32	23.31	16.97	17.83	17.77	18.63	19.62
	6H	20.85	21.64	21.66	22.45	23.45	17.29	18.08	18.10	18.89	19.89
	8H	20.89	21.65	21.71	22.47	23.48	17.41	18.16	18.23	18.99	19.99
	12H	20.90	21.62	21.72	22.44	23.47	17.44	18.16	18.27	18.98	20.01
4H	2H	19.08	19.94	19.88	20.74	21.73	16.01	16.87	16.81	17.67	18.66
	3H	20.63	21.35	21.45	22.18	23.19	17.47	18.18	18.28	19.01	20.02
	4H	21.19	21.83	22.01	22.67	23.70	18.05	18.70	18.88	19.53	20.56
	6H	21.51	22.06	22.35	22.92	23.96	18.44	19.00	19.29	19.86	20.90
	8H	21.60	22.12	22.45	22.97	24.02	18.60	19.12	19.44	19.97	21.02
	12H	21.63	22.10	22.49	22.97	24.02	18.65	19.12	19.51	19.99	21.04
8H	4H	21.24	21.76	22.08	22.61	23.66	18.41	18.93	19.25	19.78	20.83
	6H	21.66	22.09	22.54	22.99	24.04	18.91	19.33	19.78	20.23	21.28
	8H	21.83	22.22	22.72	23.11	24.17	19.12	19.51	20.01	20.40	21.46
	12H	21.92	22.26	22.81	23.14	24.26	19.21	19.55	20.10	20.43	21.55
12H	4H	21.20	21.67	22.07	22.54	23.60	18.43	18.90	19.30	19.77	20.83
	6H	21.66	22.04	22.54	22.93	24.00	18.98	19.36	19.87	20.25	21.32
	8H	21.85	22.19	22.74	23.07	24.19	19.23	19.57	20.12	20.45	21.57