

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: P1428180

Luminaire Tested: SQ2W-PR1-K-025U-050D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428180
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PR1-K-025U-050D-L835-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE 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

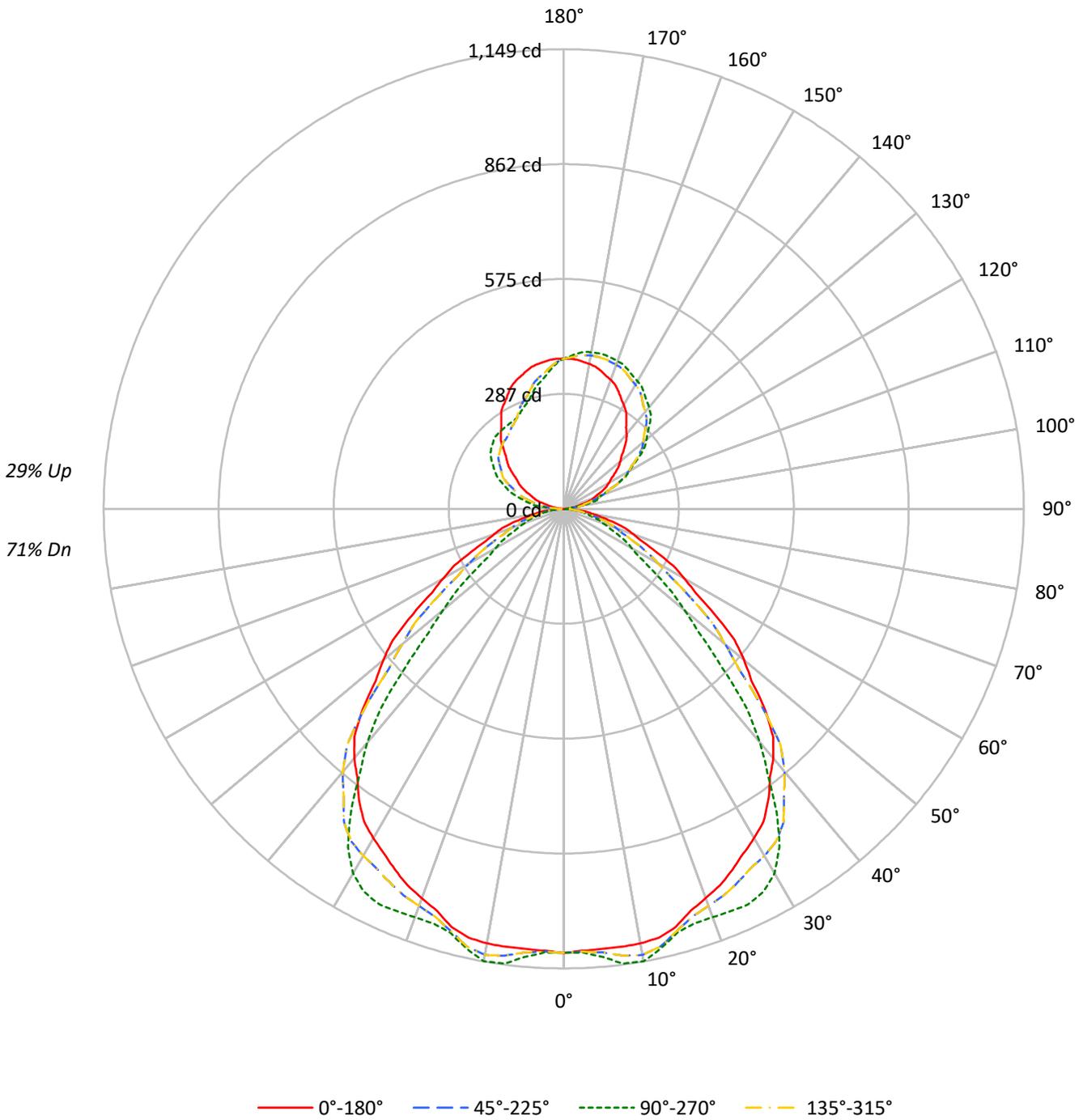
Lumens per Lamp: N/A
Luminaire Lumens: 3767.9 lumens
Efficiency: N/A
Efficacy: 148.9 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 25.3
Input Voltage (V): 120
Input Current (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

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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				
1	103	99	96	92	98	94	91	88	85	82	80	76	74	73	68	67	65	62				
2	95	88	82	77	90	83	78	74	75	71	68	68	65	62	61	59	56	53				
3	87	78	71	65	82	74	68	63	67	62	58	61	57	53	55	52	49	46				
4	80	70	62	56	76	66	59	54	60	55	50	55	50	46	49	46	43	40				
5	74	62	54	48	70	60	52	47	54	48	44	49	45	41	45	41	38	35				
6	68	56	48	43	65	54	47	41	49	43	39	45	40	36	41	37	34	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	29	38	32	28	35	30	26	32	28	25	23				
10	52	39	32	27	49	38	31	27	35	29	25	32	27	24	30	25	22	21				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17925	17925	17925	17925
5°	17901	18232	17901	18232
10°	18090	18831	18090	18831
15°	18084	18330	18084	18330
20°	17792	18666	17792	18666
25°	17742	19434	17742	19434
30°	17722	19622	17722	19622
35°	17554	18267	17554	18267
40°	17150	16075	17150	16075
45°	16228	12714	16228	12714
50°	14752	9864	14752	9864
55°	12965	7676	12965	7676
60°	11218	6323	11218	6323
65°	9685	5536	9685	5536
70°	8710	4914	8710	4914
75°	7979	4516	7979	4516
80°	6945	4416	6945	4416
85°	5039	2093	5039	2093

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 17422 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.2	2.8
10°-20°	310.4	8.2
20°-30°	479.8	12.7
30°-40°	577.0	15.3
40°-50°	518.1	13.8
50°-60°	347.2	9.2
60°-70°	202.0	5.4
70°-80°	103.7	2.8
80°-90°	27.1	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	5.1
140°-150°	180.2	4.8
150°-160°	148.3	3.9
160°-170°	99.4	2.6
170°-180°	35.3	0.9
0°-30°	897.3	23.8
0°-40°	1474.3	39.1
0°-60°	2339.6	62.1
0°-90°	2672.4	70.9
90°-120°	259.0	6.9
90°-150°	812.5	21.6
90°-180°	1095.0	29.1
0°-180°	3767.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1110	1110	1110	1110	1110	
5°	1104	1125	1104	1125	1104	105
15°	1082	1097	1082	1097	1082	304
25°	996	1091	996	1091	996	459
35°	891	927	891	927	891	555
45°	711	557	711	557	711	544
55°	461	273	461	273	461	414
65°	254	145	254	145	254	256
75°	128	72	128	72	128	136
85°	27	11	27	11	27	34
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°	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2
2.5°	1105.6	1111.7	1117.7	1115.0	1109.4	1106.8	1107.2	1107.8	1109.0	1110.2	1109.0
5°	1104.5	1113.1	1121.6	1119.6	1114.1	1111.8	1112.8	1114.8	1119.9	1124.9	1119.9
7.5°	1104.3	1116.5	1128.6	1129.6	1126.7	1126.8	1129.7	1133.6	1140.2	1146.8	1140.2
10°	1103.4	1118.0	1132.6	1134.7	1132.7	1131.9	1132.4	1134.6	1141.6	1148.6	1141.6
12.5°	1097.9	1114.9	1132.0	1130.2	1122.1	1117.7	1117.0	1117.5	1121.3	1125.1	1121.3
15°	1081.9	1102.0	1122.1	1113.9	1096.3	1088.3	1089.8	1091.6	1094.1	1096.6	1094.1
17.5°	1053.6	1074.6	1095.6	1088.3	1071.5	1065.8	1071.2	1076.5	1081.5	1086.4	1081.5
20°	1035.5	1056.1	1076.7	1071.7	1058.1	1054.8	1061.9	1069.3	1077.9	1086.4	1077.9
22.5°	1019.2	1039.8	1060.4	1057.2	1046.0	1045.4	1055.2	1065.6	1077.4	1089.1	1077.4
25°	995.9	1014.0	1032.1	1032.5	1026.9	1032.5	1049.1	1064.8	1077.9	1090.9	1077.9
27.5°	971.4	982.1	992.8	999.8	1005.6	1019.8	1042.2	1061.3	1070.5	1079.6	1070.5
30°	950.6	957.6	964.7	977.8	992.9	1010.2	1029.8	1045.4	1048.9	1052.5	1048.9
32.5°	928.0	932.2	936.4	954.8	978.0	994.7	1005.1	1011.7	1007.2	1002.7	1007.2
35°	890.6	894.1	897.7	921.2	951.4	962.4	954.4	946.0	936.4	926.8	936.4
37.5°	846.3	853.5	860.8	879.9	903.1	902.8	879.3	858.9	848.0	837.0	848.0
40°	813.7	825.7	837.8	850.6	863.7	852.7	817.4	787.9	775.3	762.7	775.3
42.5°	773.8	793.2	812.5	815.3	812.7	789.0	744.1	706.6	691.2	675.8	691.2
45°	710.7	736.8	763.0	748.0	719.4	680.6	631.9	591.0	573.9	556.8	573.9
47.5°	636.2	663.1	689.9	661.7	615.2	570.1	526.5	489.9	473.9	457.9	473.9
50°	587.3	609.0	630.6	598.7	548.9	503.6	462.9	427.9	410.3	392.7	410.3
52.5°	537.5	553.1	568.7	537.1	489.7	445.7	404.9	370.4	354.4	338.4	354.4
55°	460.6	468.6	476.7	447.4	405.6	365.4	326.7	294.9	283.8	272.7	283.8
57.5°	390.0	395.1	400.2	372.5	333.7	297.9	265.0	238.3	230.2	222.0	230.2
60°	347.4	350.9	354.5	326.3	287.6	255.4	229.7	208.9	202.3	195.8	202.3
62.5°	308.5	311.2	313.9	286.8	249.6	220.9	200.5	183.9	179.0	174.1	179.0
65°	253.5	256.0	258.5	235.4	203.7	180.1	164.5	151.9	148.4	144.9	148.4
67.5°	209.8	211.1	212.4	193.4	167.5	148.5	136.2	126.1	122.8	119.5	122.8
70°	184.5	185.0	185.5	168.6	146.0	129.1	118.1	109.1	106.6	104.1	106.6
72.5°	161.8	161.1	160.4	145.4	125.6	111.1	102.1	94.9	93.1	91.4	93.1
75°	127.9	126.4	124.9	112.4	96.3	85.3	79.2	74.4	73.4	72.4	73.4
77.5°	95.5	93.9	92.3	81.9	68.7	61.0	59.0	57.5	57.5	57.5	57.5
80°	74.7	72.7	70.7	62.6	52.6	47.5	47.5	47.5	47.5	47.5	47.5
82.5°	55.7	52.9	50.0	45.1	39.5	36.7	36.7	36.6	36.2	35.8	36.2
85°	27.2	24.6	22.1	21.5	21.5	20.0	17.0	14.3	12.8	11.3	12.8
87.5°	7.5	7.8	8.2	6.9	5.2	4.2	4.2	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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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°	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2
2.5°	1107.8	1107.2	1106.8	1109.4	1115.0	1117.7	1111.7	1105.6	1111.7	1117.7	1115.0
5°	1114.8	1112.8	1111.8	1114.1	1119.6	1121.6	1113.1	1104.5	1113.1	1121.6	1119.6
7.5°	1133.6	1129.7	1126.8	1126.7	1129.6	1128.6	1116.5	1104.3	1116.5	1128.6	1129.6
10°	1134.6	1132.4	1131.9	1132.7	1134.7	1132.6	1118.0	1103.4	1118.0	1132.6	1134.7
12.5°	1117.5	1117.0	1117.7	1122.1	1130.2	1132.0	1114.9	1097.9	1114.9	1132.0	1130.2
15°	1091.6	1089.8	1088.3	1096.3	1113.9	1122.1	1102.0	1081.9	1102.0	1122.1	1113.9
17.5°	1076.5	1071.2	1065.8	1071.5	1088.3	1095.6	1074.6	1053.6	1074.6	1095.6	1088.3
20°	1069.3	1061.9	1054.8	1058.1	1071.7	1076.7	1056.1	1035.5	1056.1	1076.7	1071.7
22.5°	1065.6	1055.2	1045.4	1046.0	1057.2	1060.4	1039.8	1019.2	1039.8	1060.4	1057.2
25°	1064.8	1049.1	1032.5	1026.9	1032.5	1032.1	1014.0	995.9	1014.0	1032.1	1032.5
27.5°	1061.3	1042.2	1019.8	1005.6	999.8	992.8	982.1	971.4	982.1	992.8	999.8
30°	1045.4	1029.8	1010.2	992.9	977.8	964.7	957.6	950.6	957.6	964.7	977.8
32.5°	1011.7	1005.1	994.7	978.0	954.8	936.4	932.2	928.0	932.2	936.4	954.8
35°	946.0	954.4	962.4	951.4	921.2	897.7	894.1	890.6	894.1	897.7	921.2
37.5°	858.9	879.3	902.8	903.1	879.9	860.8	853.5	846.3	853.5	860.8	879.9
40°	787.9	817.4	852.7	863.7	850.6	837.8	825.7	813.7	825.7	837.8	850.6
42.5°	706.6	744.1	789.0	812.7	815.3	812.5	793.2	773.8	793.2	812.5	815.3
45°	591.0	631.9	680.6	719.4	748.0	763.0	736.8	710.7	736.8	763.0	748.0
47.5°	489.9	526.5	570.1	615.2	661.7	689.9	663.1	636.2	663.1	689.9	661.7
50°	427.9	462.9	503.6	548.9	598.7	630.6	609.0	587.3	609.0	630.6	598.7
52.5°	370.4	404.9	445.7	489.7	537.1	568.7	553.1	537.5	553.1	568.7	537.1
55°	294.9	326.7	365.4	405.6	447.4	476.7	468.6	460.6	468.6	476.7	447.4
57.5°	238.3	265.0	297.9	333.7	372.5	400.2	395.1	390.0	395.1	400.2	372.5
60°	208.9	229.7	255.4	287.6	326.3	354.5	350.9	347.4	350.9	354.5	326.3
62.5°	183.9	200.5	220.9	249.6	286.8	313.9	311.2	308.5	311.2	313.9	286.8
65°	151.9	164.5	180.1	203.7	235.4	258.5	256.0	253.5	256.0	258.5	235.4
67.5°	126.1	136.2	148.5	167.5	193.4	212.4	211.1	209.8	211.1	212.4	193.4
70°	109.1	118.1	129.1	146.0	168.6	185.5	185.0	184.5	185.0	185.5	168.6
72.5°	94.9	102.1	111.1	125.6	145.4	160.4	161.1	161.8	161.1	160.4	145.4
75°	74.4	79.2	85.3	96.3	112.4	124.9	126.4	127.9	126.4	124.9	112.4
77.5°	57.5	59.0	61.0	68.7	81.9	92.3	93.9	95.5	93.9	92.3	81.9
80°	47.5	47.5	47.5	52.6	62.6	70.7	72.7	74.7	72.7	70.7	62.6
82.5°	36.6	36.7	36.7	39.5	45.1	50.0	52.9	55.7	52.9	50.0	45.1
85°	14.3	17.0	20.0	21.5	21.5	22.1	24.6	27.2	24.6	22.1	21.5
87.5°	4.3	4.2	4.2	5.2	6.9	8.2	7.8	7.5	7.8	8.1	7.1
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: P1428180

CATALOG NUMBER: SQ2W-PR1-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: P1428180

CATALOG NUMBER: SQ2W-PR1-K-025U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2
2.5°	1109.4	1106.8	1107.2	1107.8	1109.0	1110.2	1109.0	1107.8	1107.2	1106.8	1109.4
5°	1114.1	1111.8	1112.8	1114.8	1119.9	1124.9	1119.9	1114.8	1112.8	1111.8	1114.1
7.5°	1126.7	1126.8	1129.7	1133.6	1140.2	1146.8	1140.2	1133.6	1129.7	1126.8	1126.7
10°	1132.7	1131.9	1132.4	1134.6	1141.6	1148.6	1141.6	1134.6	1132.4	1131.9	1132.7
12.5°	1122.1	1117.7	1117.0	1117.5	1121.3	1125.1	1121.3	1117.5	1117.0	1117.7	1122.1
15°	1096.3	1088.3	1089.8	1091.6	1094.1	1096.6	1094.1	1091.6	1089.8	1088.3	1096.3
17.5°	1071.5	1065.8	1071.2	1076.5	1081.5	1086.4	1081.5	1076.5	1071.2	1065.8	1071.5
20°	1058.1	1054.8	1061.9	1069.3	1077.9	1086.4	1077.9	1069.3	1061.9	1054.8	1058.1
22.5°	1046.0	1045.4	1055.2	1065.6	1077.4	1089.1	1077.4	1065.6	1055.2	1045.4	1046.0
25°	1026.9	1032.5	1049.1	1064.8	1077.9	1090.9	1077.9	1064.8	1049.1	1032.5	1026.9
27.5°	1005.6	1019.8	1042.2	1061.3	1070.5	1079.6	1070.5	1061.3	1042.2	1019.8	1005.6
30°	992.9	1010.2	1029.8	1045.4	1048.9	1052.5	1048.9	1045.4	1029.8	1010.2	992.9
32.5°	978.0	994.7	1005.1	1011.7	1007.2	1002.7	1007.2	1011.7	1005.1	994.7	978.0
35°	951.4	962.4	954.4	946.0	936.4	926.8	936.4	946.0	954.4	962.4	951.4
37.5°	903.1	902.8	879.3	858.9	848.0	837.0	848.0	858.9	879.3	902.8	903.1
40°	863.7	852.7	817.4	787.9	775.3	762.7	775.3	787.9	817.4	852.7	863.7
42.5°	812.7	789.0	744.1	706.6	691.2	675.8	691.2	706.6	744.1	789.0	812.7
45°	719.4	680.6	631.9	591.0	573.9	556.8	573.9	591.0	631.9	680.6	719.4
47.5°	615.2	570.1	526.5	489.9	473.9	457.9	473.9	489.9	526.5	570.1	615.2
50°	548.9	503.6	462.9	427.9	410.3	392.7	410.3	427.9	462.9	503.6	548.9
52.5°	489.7	445.7	404.9	370.4	354.4	338.4	354.4	370.4	404.9	445.7	489.7
55°	405.6	365.4	326.7	294.9	283.8	272.7	283.8	294.9	326.7	365.4	405.6
57.5°	333.7	297.9	265.0	238.3	230.2	222.0	230.2	238.3	265.0	297.9	333.7
60°	287.6	255.4	229.7	208.9	202.3	195.8	202.3	208.9	229.7	255.4	287.6
62.5°	249.6	220.9	200.5	183.9	179.0	174.1	179.0	183.9	200.5	220.9	249.6
65°	203.7	180.1	164.5	151.9	148.4	144.9	148.4	151.9	164.5	180.1	203.7
67.5°	167.5	148.5	136.2	126.1	122.8	119.5	122.8	126.1	136.2	148.5	167.5
70°	146.0	129.1	118.1	109.1	106.6	104.1	106.6	109.1	118.1	129.1	146.0
72.5°	125.6	111.1	102.1	94.9	93.1	91.4	93.1	94.9	102.1	111.1	125.6
75°	96.3	85.3	79.2	74.4	73.4	72.4	73.4	74.4	79.2	85.3	96.3
77.5°	68.7	61.0	59.0	57.5	57.5	57.5	57.5	57.5	59.0	61.0	68.7
80°	52.6	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	52.6
82.5°	39.5	36.7	36.7	36.6	36.2	35.8	36.2	36.6	36.7	36.7	39.5
85°	21.5	20.0	17.0	14.3	12.8	11.3	12.8	14.3	17.0	20.0	21.5
87.5°	5.5	5.0	5.5	5.8	6.1	6.0	6.1	5.8	5.5	5.0	5.5
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: P1428180

CATALOG NUMBER: SQ2W-PR1-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: P1428180

CATALOG NUMBER: SQ2W-PR1-K-025U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1110.2	1110.2	1110.2	1110.2
2.5°	1115.0	1117.7	1111.7	1105.6
5°	1119.6	1121.6	1113.1	1104.5
7.5°	1129.6	1128.6	1116.5	1104.3
10°	1134.7	1132.6	1118.0	1103.4
12.5°	1130.2	1132.0	1114.9	1097.9
15°	1113.9	1122.1	1102.0	1081.9
17.5°	1088.3	1095.6	1074.6	1053.6
20°	1071.7	1076.7	1056.1	1035.5
22.5°	1057.2	1060.4	1039.8	1019.2
25°	1032.5	1032.1	1014.0	995.9
27.5°	999.8	992.8	982.1	971.4
30°	977.8	964.7	957.6	950.6
32.5°	954.8	936.4	932.2	928.0
35°	921.2	897.7	894.1	890.6
37.5°	879.9	860.8	853.5	846.3
40°	850.6	837.8	825.7	813.7
42.5°	815.3	812.5	793.2	773.8
45°	748.0	763.0	736.8	710.7
47.5°	661.7	689.9	663.1	636.2
50°	598.7	630.6	609.0	587.3
52.5°	537.1	568.7	553.1	537.5
55°	447.4	476.7	468.6	460.6
57.5°	372.5	400.2	395.1	390.0
60°	326.3	354.5	350.9	347.4
62.5°	286.8	313.9	311.2	308.5
65°	235.4	258.5	256.0	253.5
67.5°	193.4	212.4	211.1	209.8
70°	168.6	185.5	185.0	184.5
72.5°	145.4	160.4	161.1	161.8
75°	112.4	124.9	126.4	127.9
77.5°	81.9	92.3	93.9	95.5
80°	62.6	70.7	72.7	74.7
82.5°	45.1	50.0	52.9	55.7
85°	21.5	22.1	24.6	27.2
87.5°	7.1	8.1	7.8	7.5
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: P1428180

CATALOG NUMBER: SQ2W-PR1-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: P1428180
 CATALOG NUMBER: SQ2W-PR1-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	18.47	19.49	19.23	20.27	21.21	14.84	15.86	15.60	16.64	17.58
	3H	19.69	20.60	20.47	21.39	22.36	16.01	16.93	16.79	17.72	18.69
	4H	20.18	21.04	20.98	21.84	22.82	16.49	17.34	17.28	18.14	19.12
	6H	20.49	21.28	21.30	22.09	23.08	16.84	17.63	17.64	18.43	19.43
	8H	20.60	21.35	21.41	22.17	23.17	16.98	17.73	17.79	18.55	19.55
	12H	20.64	21.36	21.46	22.17	23.20	17.01	17.73	17.84	18.55	19.57
4H	2H	18.60	19.45	19.39	20.25	21.23	15.57	16.43	16.37	17.23	18.21
	3H	20.07	20.78	20.88	21.61	22.61	16.94	17.65	17.75	18.48	19.48
	4H	20.71	21.35	21.53	22.18	23.21	17.49	18.14	18.32	18.97	20.00
	6H	21.15	21.70	21.99	22.56	23.59	17.93	18.49	18.78	19.34	20.38
	8H	21.31	21.83	22.15	22.68	23.72	18.12	18.64	18.97	19.49	20.53
	12H	21.38	21.85	22.24	22.72	23.77	18.18	18.64	19.04	19.51	20.56
8H	4H	20.74	21.26	21.59	22.11	23.16	17.83	18.35	18.68	19.20	20.25
	6H	21.28	21.71	22.15	22.60	23.65	18.38	18.81	19.25	19.70	20.74
	8H	21.51	21.89	22.40	22.78	23.84	18.64	19.02	19.52	19.91	20.97
	12H	21.64	21.98	22.52	22.85	23.97	18.74	19.08	19.62	19.95	21.07
12H	4H	20.71	21.17	21.57	22.04	23.09	17.86	18.32	18.72	19.19	20.24
	6H	21.27	21.65	22.15	22.54	23.60	18.45	18.83	19.33	19.72	20.78
	8H	21.53	21.86	22.41	22.74	23.86	18.75	19.08	19.63	19.96	21.08