

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: P1428012

Luminaire Tested: SQ2W-PP3-K-025U-050D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428012  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/10/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: SQ2W-PP3-K-025U-050D-L835-UNV-STD-W-WM-4  
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE  
DOWNLIGHT - PERCEIVE PRISM 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**

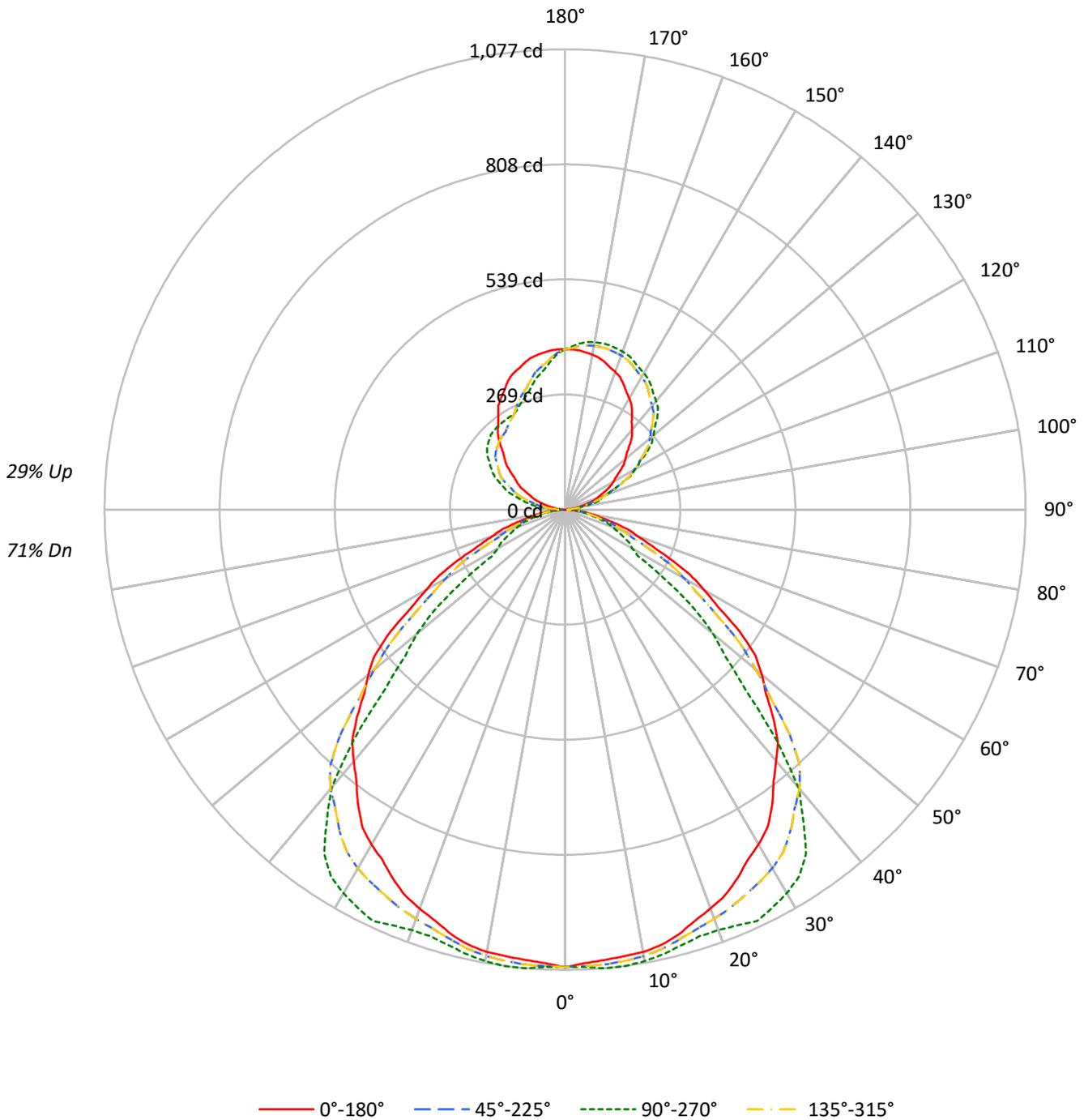
Lumens per Lamp: N/A  
Luminaire Lumens: 3793.2 lumens  
Efficiency: N/A  
Efficacy: 149.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 25.3  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P1428012

CATALOG NUMBER: SQ2W-PP3-K-025U-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	50	30	10	0	
RCR																						
0	112	112	112	112	106	106	106	106	95	95	95	85	85	85	76	76	76	71				
1	103	99	95	92	98	94	91	88	85	82	80	76	74	72	68	67	65	61				
2	95	87	81	76	89	83	78	73	75	71	67	68	64	62	61	58	56	53				
3	87	77	70	64	82	74	67	62	67	62	57	60	56	53	54	51	49	45				
4	80	69	61	55	75	66	59	53	60	54	49	54	50	46	49	45	42	39				
5	73	62	54	48	69	59	52	46	54	48	43	49	44	40	44	40	37	34				
6	68	56	48	42	64	53	46	40	49	43	38	44	39	35	40	36	33	30				
7	63	51	43	37	60	48	41	36	44	38	34	40	35	31	37	33	29	27				
8	58	46	38	33	55	44	37	32	41	34	30	37	32	28	34	30	26	24				
9	55	42	35	29	52	40	33	29	37	31	27	34	29	25	31	27	24	22				
10	51	39	31	27	48	37	30	26	34	29	24	32	27	23	29	25	22	20				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	17285	17285	17285	17285
5°	17149	17462	17149	17462
10°	17236	17588	17236	17588
15°	17195	17629	17195	17629
20°	17072	17986	17072	17986
25°	16976	18930	16976	18930
30°	16878	19326	16878	19326
35°	16639	19361	16639	19361
40°	16195	17890	16195	17890
45°	15712	13618	15712	13618
50°	15093	11341	15093	11341
55°	14049	8155	14049	8155
60°	12096	5848	12096	5848
65°	10204	5750	10204	5750
70°	8492	5504	8492	5504
75°	7199	5153	7199	5153
80°	6099	4630	6099	4630
85°	4816	2519	4816	2519

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 17187 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.9	2.7
10°-20°	295.0	7.8
20°-30°	462.2	12.2
30°-40°	570.2	15.0
40°-50°	536.8	14.2
50°-60°	380.1	10.0
60°-70°	216.6	5.7
70°-80°	107.2	2.8
80°-90°	27.7	0.7
90°-100°	29.9	0.8
100°-110°	87.1	2.3
110°-120°	142.1	3.7
120°-130°	180.3	4.8
130°-140°	192.9	5.1
140°-150°	180.2	4.7
150°-160°	148.3	3.9
160°-170°	99.4	2.6
170°-180°	35.3	0.9
0°-30°	859.2	22.7
0°-40°	1429.3	37.7
0°-60°	2346.2	61.9
0°-90°	2697.7	71.1
90°-120°	259.0	6.8
90°-150°	812.5	21.4
90°-180°	1095.0	28.9
0°-180°	3793.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1071	1071	1071	1071	1071	
5°	1058	1077	1058	1077	1058	101
15°	1029	1055	1029	1055	1029	290
25°	953	1063	953	1063	953	439
35°	844	982	844	982	844	526
45°	688	596	688	596	688	530
55°	499	290	499	290	499	440
65°	267	150	267	150	267	268
75°	115	83	115	83	115	125
85°	26	14	26	14	26	31
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°	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6
2.5°	1062.4	1069.3	1076.1	1074.5	1070.1	1068.2	1069.1	1069.9	1070.7	1071.5	1070.7
5°	1058.1	1066.7	1075.2	1074.0	1069.4	1067.7	1068.7	1070.3	1073.8	1077.4	1073.8
7.5°	1054.0	1062.8	1071.5	1070.4	1066.0	1064.6	1066.3	1068.7	1073.0	1077.4	1073.0
10°	1051.3	1058.9	1066.4	1065.3	1061.3	1060.5	1063.0	1065.8	1069.3	1072.8	1069.3
12.5°	1043.2	1050.3	1057.5	1056.5	1052.9	1052.8	1056.1	1059.3	1062.5	1065.6	1062.5
15°	1028.7	1035.2	1041.8	1041.9	1039.9	1041.1	1045.7	1049.7	1052.2	1054.7	1052.2
17.5°	1009.0	1016.9	1024.9	1026.7	1026.5	1029.6	1036.1	1041.6	1044.2	1046.8	1044.2
20°	993.6	1003.2	1012.7	1015.9	1016.9	1021.4	1029.4	1036.7	1041.8	1046.8	1041.8
22.5°	977.3	988.5	999.6	1003.8	1005.6	1012.5	1024.6	1035.8	1044.5	1053.1	1044.5
25°	952.9	963.9	975.0	983.0	990.1	1002.4	1020.0	1036.5	1049.6	1062.6	1049.6
27.5°	924.4	935.3	946.3	960.1	974.9	992.2	1012.0	1029.5	1039.8	1050.2	1039.8
30°	905.3	915.9	926.5	942.3	959.9	979.0	999.6	1017.5	1027.1	1036.6	1027.1
32.5°	881.8	892.8	903.7	920.6	939.4	959.9	982.1	1001.0	1009.8	1018.5	1009.8
35°	844.2	854.8	865.4	885.0	907.6	930.5	953.6	972.2	977.3	982.3	977.3
37.5°	801.0	813.0	824.9	846.9	872.3	891.5	904.4	914.2	914.5	914.8	914.5
40°	768.4	784.0	799.6	821.6	845.7	859.1	861.6	861.8	855.3	848.8	855.3
42.5°	736.7	756.7	776.8	794.4	811.3	814.8	804.8	790.1	761.0	732.0	761.0
45°	688.1	711.7	735.3	746.1	752.7	730.6	679.8	636.6	616.5	596.4	616.5
47.5°	636.2	659.6	682.9	679.9	668.1	634.6	579.4	534.5	520.6	506.8	520.6
50°	600.9	623.0	645.2	629.2	600.5	562.8	516.0	477.7	464.6	451.5	464.6
52.5°	561.1	580.8	600.5	576.4	537.7	497.9	457.2	421.7	401.7	381.8	401.7
55°	499.1	512.6	526.2	499.8	460.1	416.3	368.5	327.9	308.8	289.7	308.8
57.5°	424.4	433.9	443.5	422.7	391.8	348.3	292.2	244.7	223.3	201.9	223.3
60°	374.6	382.1	389.7	370.8	343.1	301.7	246.3	202.2	191.6	181.1	191.6
62.5°	329.3	336.1	342.8	323.1	294.7	257.6	211.9	176.7	173.0	169.3	173.0
65°	267.1	273.6	280.2	259.5	229.9	200.9	172.8	151.5	151.0	150.5	151.0
67.5°	212.5	219.7	226.8	207.4	179.1	157.8	143.3	132.3	131.7	131.0	131.7
70°	179.9	187.5	195.0	176.9	150.3	132.9	124.9	118.6	117.6	116.6	117.6
72.5°	152.8	159.9	167.1	151.3	127.8	113.5	108.3	104.2	103.6	103.0	103.6
75°	115.4	121.0	126.5	115.1	98.0	88.1	85.6	83.6	83.1	82.6	83.1
77.5°	83.7	87.3	90.8	83.3	72.1	65.9	64.6	63.5	63.0	62.5	63.0
80°	65.6	67.1	68.7	63.4	55.8	51.8	51.3	50.8	50.3	49.8	50.3
82.5°	49.3	48.8	48.3	45.3	41.3	39.1	38.6	38.0	37.1	36.2	37.1
85°	26.0	25.0	24.0	23.0	22.0	20.5	18.5	16.6	15.1	13.6	15.1
87.5°	8.4	8.7	9.1	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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**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°	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6
2.5°	1069.9	1069.1	1068.2	1070.1	1074.5	1076.1	1069.3	1062.4	1069.3	1076.1	1074.5
5°	1070.3	1068.7	1067.7	1069.4	1074.0	1075.2	1066.7	1058.1	1066.7	1075.2	1074.0
7.5°	1068.7	1066.3	1064.6	1066.0	1070.4	1071.5	1062.8	1054.0	1062.8	1071.5	1070.4
10°	1065.8	1063.0	1060.5	1061.3	1065.3	1066.4	1058.9	1051.3	1058.9	1066.4	1065.3
12.5°	1059.3	1056.1	1052.8	1052.9	1056.5	1057.5	1050.3	1043.2	1050.3	1057.5	1056.5
15°	1049.7	1045.7	1041.1	1039.9	1041.9	1041.8	1035.2	1028.7	1035.2	1041.8	1041.9
17.5°	1041.6	1036.1	1029.6	1026.5	1026.7	1024.9	1016.9	1009.0	1016.9	1024.9	1026.7
20°	1036.7	1029.4	1021.4	1016.9	1015.9	1012.7	1003.2	993.6	1003.2	1012.7	1015.9
22.5°	1035.8	1024.6	1012.5	1005.6	1003.8	999.6	988.5	977.3	988.5	999.6	1003.8
25°	1036.5	1020.0	1002.4	990.1	983.0	975.0	963.9	952.9	963.9	975.0	983.0
27.5°	1029.5	1012.0	992.2	974.9	960.1	946.3	935.3	924.4	935.3	946.3	960.1
30°	1017.5	999.6	979.0	959.9	942.3	926.5	915.9	905.3	915.9	926.5	942.3
32.5°	1001.0	982.1	959.9	939.4	920.6	903.7	892.8	881.8	892.8	903.7	920.6
35°	972.2	953.6	930.5	907.6	885.0	865.4	854.8	844.2	854.8	865.4	885.0
37.5°	914.2	904.4	891.5	872.3	846.9	824.9	813.0	801.0	813.0	824.9	846.9
40°	861.8	861.6	859.1	845.7	821.6	799.6	784.0	768.4	784.0	799.6	821.6
42.5°	790.1	804.8	814.8	811.3	794.4	776.8	756.7	736.7	756.7	776.8	794.4
45°	636.6	679.8	730.6	752.7	746.1	735.3	711.7	688.1	711.7	735.3	746.1
47.5°	534.5	579.4	634.6	668.1	679.9	682.9	659.6	636.2	659.6	682.9	679.9
50°	477.7	516.0	562.8	600.5	629.2	645.2	623.0	600.9	623.0	645.2	629.2
52.5°	421.7	457.2	497.9	537.7	576.4	600.5	580.8	561.1	580.8	600.5	576.4
55°	327.9	368.5	416.3	460.1	499.8	526.2	512.6	499.1	512.6	526.2	499.8
57.5°	244.7	292.2	348.3	391.8	422.7	443.5	433.9	424.4	433.9	443.5	422.7
60°	202.2	246.3	301.7	343.1	370.8	389.7	382.1	374.6	382.1	389.7	370.8
62.5°	176.7	211.9	257.6	294.7	323.1	342.8	336.1	329.3	336.1	342.8	323.1
65°	151.5	172.8	200.9	229.9	259.5	280.2	273.6	267.1	273.6	280.2	259.5
67.5°	132.3	143.3	157.8	179.1	207.4	226.8	219.7	212.5	219.7	226.8	207.4
70°	118.6	124.9	132.9	150.3	176.9	195.0	187.5	179.9	187.5	195.0	176.9
72.5°	104.2	108.3	113.5	127.8	151.3	167.1	159.9	152.8	159.9	167.1	151.3
75°	83.6	85.6	88.1	98.0	115.1	126.5	121.0	115.4	121.0	126.5	115.1
77.5°	63.5	64.6	65.9	72.1	83.3	90.8	87.3	83.7	87.3	90.8	83.3
80°	50.8	51.3	51.8	55.8	63.4	68.7	67.1	65.6	67.1	68.7	63.4
82.5°	38.0	38.6	39.1	41.3	45.3	48.3	48.8	49.3	48.8	48.3	45.3
85°	16.6	18.5	20.5	22.0	23.0	24.0	25.0	26.0	25.0	24.0	23.0
87.5°	4.3	4.5	4.9	6.1	7.9	9.1	8.7	8.4	8.7	9.0	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: P1428012

CATALOG NUMBER: SQ2W-PP3-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: P1428012

CATALOG NUMBER: SQ2W-PP3-K-025U-050D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6	1070.6
2.5°	1070.1	1068.2	1069.1	1069.9	1070.7	1071.5	1070.7	1069.9	1069.1	1068.2	1070.1
5°	1069.4	1067.7	1068.7	1070.3	1073.8	1077.4	1073.8	1070.3	1068.7	1067.7	1069.4
7.5°	1066.0	1064.6	1066.3	1068.7	1073.0	1077.4	1073.0	1068.7	1066.3	1064.6	1066.0
10°	1061.3	1060.5	1063.0	1065.8	1069.3	1072.8	1069.3	1065.8	1063.0	1060.5	1061.3
12.5°	1052.9	1052.8	1056.1	1059.3	1062.5	1065.6	1062.5	1059.3	1056.1	1052.8	1052.9
15°	1039.9	1041.1	1045.7	1049.7	1052.2	1054.7	1052.2	1049.7	1045.7	1041.1	1039.9
17.5°	1026.5	1029.6	1036.1	1041.6	1044.2	1046.8	1044.2	1041.6	1036.1	1029.6	1026.5
20°	1016.9	1021.4	1029.4	1036.7	1041.8	1046.8	1041.8	1036.7	1029.4	1021.4	1016.9
22.5°	1005.6	1012.5	1024.6	1035.8	1044.5	1053.1	1044.5	1035.8	1024.6	1012.5	1005.6
25°	990.1	1002.4	1020.0	1036.5	1049.6	1062.6	1049.6	1036.5	1020.0	1002.4	990.1
27.5°	974.9	992.2	1012.0	1029.5	1039.8	1050.2	1039.8	1029.5	1012.0	992.2	974.9
30°	959.9	979.0	999.6	1017.5	1027.1	1036.6	1027.1	1017.5	999.6	979.0	959.9
32.5°	939.4	959.9	982.1	1001.0	1009.8	1018.5	1009.8	1001.0	982.1	959.9	939.4
35°	907.6	930.5	953.6	972.2	977.3	982.3	977.3	972.2	953.6	930.5	907.6
37.5°	872.3	891.5	904.4	914.2	914.5	914.8	914.5	914.2	904.4	891.5	872.3
40°	845.7	859.1	861.6	861.8	855.3	848.8	855.3	861.6	861.6	859.1	845.7
42.5°	811.3	814.8	804.8	790.1	761.0	732.0	761.0	790.1	804.8	814.8	811.3
45°	752.7	730.6	679.8	636.6	616.5	596.4	616.5	636.6	679.8	730.6	752.7
47.5°	668.1	634.6	579.4	534.5	520.6	506.8	520.6	534.5	579.4	634.6	668.1
50°	600.5	562.8	516.0	477.7	464.6	451.5	464.6	477.7	516.0	562.8	600.5
52.5°	537.7	497.9	457.2	421.7	401.7	381.8	401.7	421.7	457.2	497.9	537.7
55°	460.1	416.3	368.5	327.9	308.8	289.7	308.8	327.9	368.5	416.3	460.1
57.5°	391.8	348.3	292.2	244.7	223.3	201.9	223.3	244.7	292.2	348.3	391.8
60°	343.1	301.7	246.3	202.2	191.6	181.1	191.6	202.2	246.3	301.7	343.1
62.5°	294.7	257.6	211.9	176.7	173.0	169.3	173.0	176.7	211.9	257.6	294.7
65°	229.9	200.9	172.8	151.5	151.0	150.5	151.0	151.5	172.8	200.9	229.9
67.5°	179.1	157.8	143.3	132.3	131.7	131.0	131.7	132.3	143.3	157.8	179.1
70°	150.3	132.9	124.9	118.6	117.6	116.6	117.6	118.6	124.9	132.9	150.3
72.5°	127.8	113.5	108.3	104.2	103.6	103.0	103.6	104.2	108.3	113.5	127.8
75°	98.0	88.1	85.6	83.6	83.1	82.6	83.1	83.6	85.6	88.1	98.0
77.5°	72.1	65.9	64.6	63.5	63.0	62.5	63.0	63.5	64.6	65.9	72.1
80°	55.8	51.8	51.3	50.8	50.3	49.8	50.3	50.8	51.3	51.8	55.8
82.5°	41.3	39.1	38.6	38.0	37.1	36.2	37.1	38.0	38.6	39.1	41.3
85°	22.0	20.5	18.5	16.6	15.1	13.6	15.1	16.6	18.5	20.5	22.0
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: P1428012

CATALOG NUMBER: SQ2W-PP3-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: P1428012

CATALOG NUMBER: SQ2W-PP3-K-025U-050D-L835-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1070.6	1070.6	1070.6	1070.6
2.5°	1074.5	1076.1	1069.3	1062.4
5°	1074.0	1075.2	1066.7	1058.1
7.5°	1070.4	1071.5	1062.8	1054.0
10°	1065.3	1066.4	1058.9	1051.3
12.5°	1056.5	1057.5	1050.3	1043.2
15°	1041.9	1041.8	1035.2	1028.7
17.5°	1026.7	1024.9	1016.9	1009.0
20°	1015.9	1012.7	1003.2	993.6
22.5°	1003.8	999.6	988.5	977.3
25°	983.0	975.0	963.9	952.9
27.5°	960.1	946.3	935.3	924.4
30°	942.3	926.5	915.9	905.3
32.5°	920.6	903.7	892.8	881.8
35°	885.0	865.4	854.8	844.2
37.5°	846.9	824.9	813.0	801.0
40°	821.6	799.6	784.0	768.4
42.5°	794.4	776.8	756.7	736.7
45°	746.1	735.3	711.7	688.1
47.5°	679.9	682.9	659.6	636.2
50°	629.2	645.2	623.0	600.9
52.5°	576.4	600.5	580.8	561.1
55°	499.8	526.2	512.6	499.1
57.5°	422.7	443.5	433.9	424.4
60°	370.8	389.7	382.1	374.6
62.5°	323.1	342.8	336.1	329.3
65°	259.5	280.2	273.6	267.1
67.5°	207.4	226.8	219.7	212.5
70°	176.9	195.0	187.5	179.9
72.5°	151.3	167.1	159.9	152.8
75°	115.1	126.5	121.0	115.4
77.5°	83.3	90.8	87.3	83.7
80°	63.4	68.7	67.1	65.6
82.5°	45.3	48.3	48.8	49.3
85°	23.0	24.0	25.0	26.0
87.5°	8.0	9.0	8.7	8.4
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: P1428012

CATALOG NUMBER: SQ2W-PP3-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: P1428012  
 CATALOG NUMBER: SQ2W-PP3-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	19.13	20.17	19.89	20.95	21.89	14.90	15.94	15.66	16.72	17.66
	3H	20.21	21.14	20.98	21.92	22.89	16.23	17.16	17.00	17.94	18.91
	4H	20.59	21.46	21.38	22.26	23.24	16.80	17.67	17.59	18.46	19.44
	6H	20.79	21.59	21.59	22.40	23.39	17.17	17.97	17.97	18.78	19.77
	8H	20.86	21.62	21.67	22.44	23.44	17.30	18.07	18.12	18.89	19.88
	12H	20.88	21.61	21.70	22.43	23.45	17.34	18.07	18.16	18.89	19.91
4H	2H	19.28	20.15	20.07	20.94	21.92	15.84	16.71	16.63	17.51	18.48
	3H	20.59	21.31	21.40	22.14	23.14	17.28	18.00	18.09	18.83	19.83
	4H	21.10	21.76	21.92	22.59	23.61	17.91	18.56	18.73	19.39	20.41
	6H	21.43	21.99	22.27	22.85	23.88	18.36	18.93	19.20	19.78	20.81
	8H	21.54	22.07	22.38	22.92	23.96	18.54	19.06	19.38	19.91	20.95
	12H	21.59	22.07	22.45	22.94	23.98	18.59	19.07	19.45	19.94	20.98
8H	4H	21.14	21.66	21.98	22.51	23.55	18.23	18.76	19.07	19.60	20.65
	6H	21.55	21.99	22.42	22.88	23.92	18.79	19.23	19.66	20.12	21.16
	8H	21.73	22.12	22.61	23.01	24.07	19.04	19.43	19.92	20.32	21.37
	12H	21.84	22.18	22.72	23.06	24.17	19.15	19.49	20.03	20.37	21.48
12H	4H	21.10	21.58	21.96	22.45	23.49	18.25	18.72	19.11	19.59	20.64
	6H	21.55	21.93	22.43	22.82	23.88	18.86	19.25	19.74	20.13	21.19
	8H	21.75	22.09	22.63	22.97	24.08	19.14	19.49	20.02	20.36	21.47