

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: P1428016

Luminaire Tested: SQ2W-PP3-K-025U-050D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428016  
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-L940-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: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

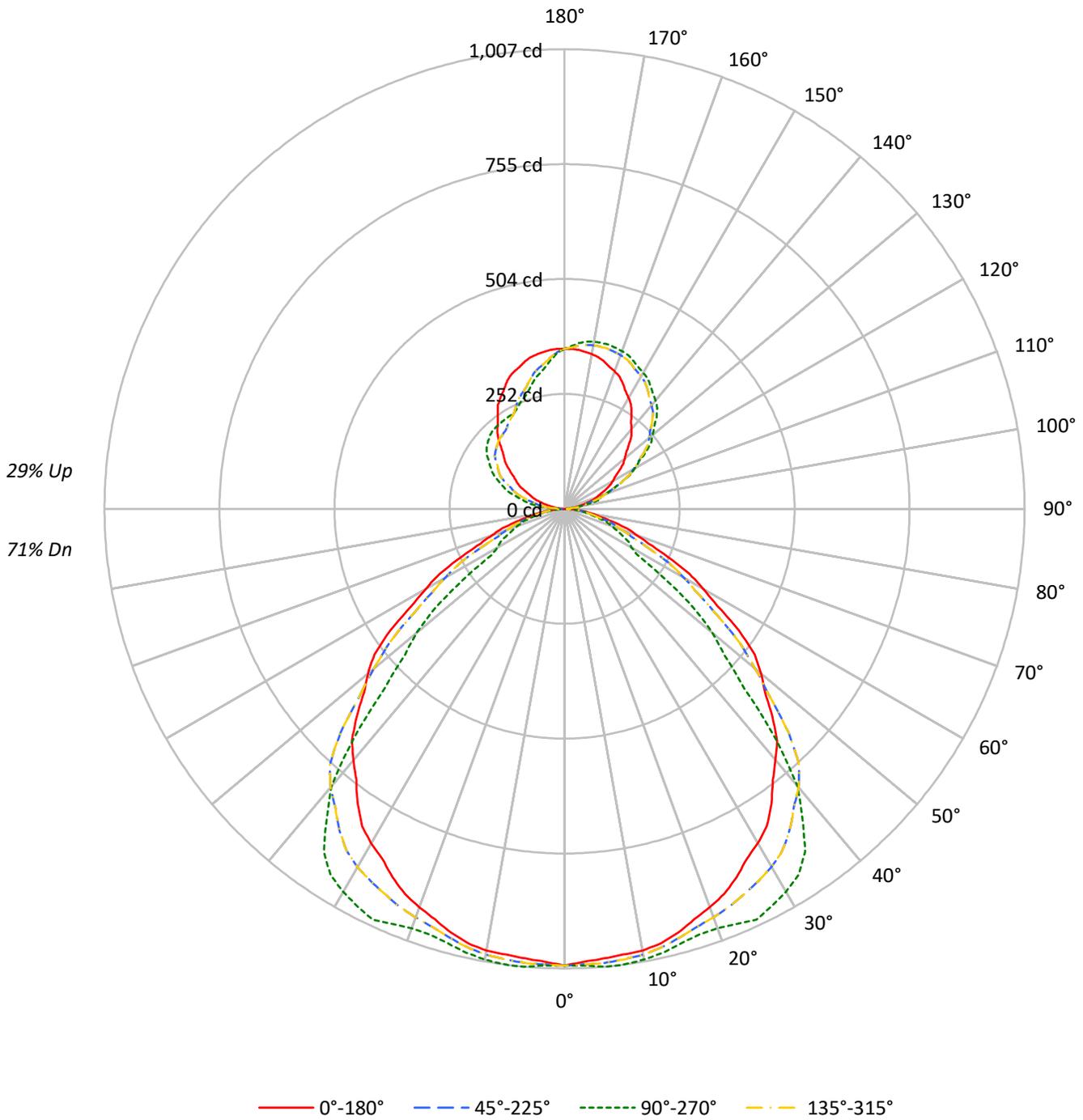
Lumens per Lamp: N/A  
Luminaire Lumens: 3545.5 lumens  
Efficiency: N/A  
Efficacy: 140.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 25.3  
Input Voltage (V): 120  
Input Current (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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CATALOG NUMBER: SQ2W-PP3-K-025U-050D-L940-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°	16157	16157	16157	16157
5°	16029	16321	16029	16321
10°	16111	16441	16111	16441
15°	16072	16478	16072	16478
20°	15957	16811	15957	16811
25°	15866	17695	15866	17695
30°	15776	18063	15776	18063
35°	15553	18096	15553	18096
40°	15137	16720	15137	16720
45°	14684	12727	14684	12727
50°	14109	10602	14109	10602
55°	13131	7623	13131	7623
60°	11305	5464	11305	5464
65°	9536	5375	9536	5375
70°	7940	5146	7940	5146
75°	6731	4816	6731	4816
80°	5709	4324	5709	4324
85°	4502	2353	4502	2353

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 40°  
 Vertical Angle: 45°  
 Luminance: 16063 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.3	2.7
10°-20°	275.8	7.8
20°-30°	432.0	12.2
30°-40°	532.9	15.0
40°-50°	501.7	14.2
50°-60°	355.3	10.0
60°-70°	202.4	5.7
70°-80°	100.2	2.8
80°-90°	25.9	0.7
90°-100°	27.9	0.8
100°-110°	81.4	2.3
110°-120°	132.8	3.7
120°-130°	168.5	4.8
130°-140°	180.3	5.1
140°-150°	168.4	4.7
150°-160°	138.6	3.9
160°-170°	92.9	2.6
170°-180°	33.0	0.9
0°-30°	803.1	22.7
0°-40°	1336.0	37.7
0°-60°	2193.0	61.9
0°-90°	2521.6	71.1
90°-120°	242.1	6.8
90°-150°	759.4	21.4
90°-180°	1024.0	28.9
0°-180°	3545.5	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1001	1001	1001	1001	1001	
5°	989	1007	989	1007	989	94
15°	962	986	962	986	962	271
25°	891	993	891	993	891	410
35°	789	918	789	918	789	492
45°	643	557	643	557	643	495
55°	466	271	466	271	466	412
65°	250	141	250	141	250	251
75°	108	77	108	77	108	117
85°	24	13	24	13	24	29
90°	1	8	1	15	1	2
95°	11	8	11	48	11	13
105°	52	83	52	114	52	55
115°	99	137	99	169	99	98
125°	147	218	147	208	147	131
135°	199	285	199	230	199	154
145°	255	329	255	235	255	159
155°	302	357	302	244	302	139
165°	334	372	334	280	334	94
175°	350	364	350	329	350	33
180°	351	351	351	351	351	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7
2.5°	993.0	999.4	1005.8	1004.3	1000.2	998.5	999.2	1000.0	1000.7	1001.5	1000.7
5°	989.0	997.0	1005.0	1003.8	999.6	998.0	998.9	1000.4	1003.7	1007.0	1003.7
7.5°	985.2	993.4	1001.6	1000.5	996.4	995.1	996.7	998.9	1003.0	1007.0	1003.0
10°	982.7	989.7	996.8	995.7	992.0	991.3	993.6	996.2	999.5	1002.8	999.5
12.5°	975.1	981.7	988.4	987.5	984.2	984.0	987.1	990.2	993.1	996.0	993.1
15°	961.5	967.6	973.7	973.9	972.0	973.2	977.4	981.1	983.5	985.8	983.5
17.5°	943.1	950.5	958.0	959.7	959.5	962.4	968.4	973.6	976.0	978.4	976.0
20°	928.7	937.7	946.6	949.5	950.5	954.7	962.2	969.0	973.7	978.4	973.7
22.5°	913.5	923.9	934.4	938.2	939.9	946.4	957.7	968.2	976.3	984.4	976.3
25°	890.6	901.0	911.3	918.9	925.4	937.0	953.4	968.8	981.0	993.3	981.0
27.5°	864.0	874.2	884.5	897.4	911.2	927.4	945.9	962.2	971.9	981.6	971.9
30°	846.2	856.1	866.0	880.8	897.2	915.1	934.4	951.1	960.0	968.9	960.0
32.5°	824.2	834.5	844.7	860.5	878.0	897.2	918.0	935.6	943.8	952.0	943.8
35°	789.1	799.0	808.8	827.2	848.3	869.7	891.4	908.7	913.4	918.1	913.4
37.5°	748.7	759.9	771.1	791.6	815.3	833.2	845.4	854.5	854.8	855.1	854.8
40°	718.2	732.8	747.4	767.9	790.5	803.0	805.3	805.6	799.4	793.3	799.4
42.5°	688.6	707.3	726.0	742.6	758.4	761.6	752.3	738.5	711.3	684.2	711.3
45°	643.1	665.2	687.3	697.4	703.5	682.9	635.4	595.1	576.3	557.4	576.3
47.5°	594.7	616.5	638.3	635.5	624.5	593.2	541.6	499.6	486.6	473.7	486.6
50°	561.7	582.4	603.0	588.1	561.3	526.1	482.3	446.5	434.3	422.1	434.3
52.5°	524.4	542.9	561.3	538.8	502.6	465.4	427.3	394.1	375.5	356.9	375.5
55°	466.5	479.2	491.9	467.2	430.0	389.1	344.5	306.5	288.7	270.8	288.7
57.5°	396.7	405.6	414.5	395.1	366.2	325.6	273.1	228.8	208.7	188.7	208.7
60°	350.1	357.2	364.2	346.6	320.7	282.0	230.2	189.0	179.1	169.2	179.1
62.5°	307.8	314.1	320.4	302.0	275.4	240.8	198.1	165.2	161.7	158.2	161.7
65°	249.6	255.7	261.9	242.6	214.8	187.8	161.5	141.6	141.2	140.7	141.2
67.5°	198.7	205.3	212.0	193.9	167.4	147.5	133.9	123.6	123.1	122.5	123.1
70°	168.2	175.2	182.3	165.4	140.4	124.2	116.7	110.8	109.9	109.0	109.9
72.5°	142.8	149.5	156.2	141.4	119.5	106.1	101.2	97.4	96.8	96.3	96.8
75°	107.9	113.1	118.2	107.5	91.6	82.4	80.0	78.2	77.7	77.2	77.7
77.5°	78.3	81.6	84.9	77.9	67.4	61.6	60.4	59.3	58.9	58.4	58.9
80°	61.4	62.8	64.2	59.2	52.2	48.4	48.0	47.5	47.0	46.5	47.0
82.5°	46.1	45.6	45.2	42.3	38.6	36.6	36.1	35.5	34.7	33.8	34.7
85°	24.3	23.4	22.4	21.5	20.6	19.2	17.3	15.5	14.1	12.7	14.1
87.5°	7.8	8.1	8.5	7.3	5.7	4.6	4.2	4.0	4.1	4.1	4.1
90°	1.1	2.5	4.3	5.7	6.7	7.1	7.1	7.4	7.8	7.8	7.8
92.5°	3.9	6.2	6.2	6.2	7.6	8.2	8.8	8.9	9.2	9.2	9.2
95°	11.0	12.0	18.1	17.7	12.0	9.6	8.1	8.1	8.1	8.1	8.1
97.5°	21.0	22.5	23.5	31.5	33.3	32.2	26.2	22.0	19.7	18.6	19.7
100°	29.8	30.5	32.6	32.9	41.8	50.3	46.0	40.7	39.0	37.9	39.0
102.5°	38.5	39.0	42.2	43.7	45.8	50.6	65.3	63.7	62.5	62.3	62.5
105°	51.7	52.1	58.1	60.9	62.3	62.3	62.0	69.1	80.4	82.9	80.4
107.5°	65.8	67.4	74.5	82.1	83.7	84.2	82.3	81.3	80.8	81.1	80.8
110°	75.4	77.9	86.4	96.0	98.5	99.2	98.5	97.4	96.7	96.7	96.7

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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	84.8	88.4	98.0	109.0	113.2	115.3	113.8	113.0	112.3	112.9	112.3
115°	99.2	104.5	117.2	128.6	137.1	138.1	137.8	137.8	137.4	137.4	137.4
117.5°	112.5	121.0	135.3	148.5	158.3	161.2	162.6	162.2	161.7	162.4	161.7
120°	121.9	131.8	148.1	162.9	172.5	176.8	178.2	177.5	178.2	177.5	178.2
122.5°	131.8	144.0	160.0	175.4	186.7	191.5	193.2	193.3	193.5	193.1	193.5
125°	146.6	161.5	180.3	196.2	207.9	213.6	215.0	215.4	216.1	217.8	216.1
127.5°	161.7	178.5	199.1	214.5	226.5	233.4	235.6	236.3	237.8	238.6	237.8
130°	172.2	191.3	212.2	226.7	238.4	245.8	249.7	250.8	252.6	252.2	252.6
132.5°	183.2	203.2	224.4	239.5	250.3	258.3	261.6	264.7	265.3	265.8	265.3
135°	199.4	221.0	242.3	257.2	267.4	275.2	279.5	282.3	284.1	285.1	284.1
137.5°	216.5	239.3	259.7	273.0	283.3	290.0	294.9	297.8	299.7	300.5	299.7
140°	228.1	250.1	269.9	283.7	292.9	299.7	303.9	307.5	309.6	309.6	309.6
142.5°	239.2	260.9	280.1	293.9	302.0	308.2	312.7	315.4	317.8	317.8	317.8
145°	254.7	276.3	294.0	307.8	314.6	320.2	325.2	327.3	328.7	328.7	328.7
147.5°	270.9	290.0	306.2	319.4	325.1	331.8	335.7	337.4	339.1	338.4	339.1
150°	280.5	298.3	313.8	326.2	331.9	338.3	342.2	343.6	345.4	344.3	345.4
152.5°	289.9	306.8	320.9	332.5	337.3	343.7	348.1	349.5	350.8	350.0	350.8
155°	302.5	317.4	330.5	341.1	345.4	351.4	355.6	357.4	358.8	357.1	358.8
157.5°	313.8	326.6	338.0	347.8	352.3	357.5	361.4	363.6	365.1	364.3	365.1
160°	320.6	332.3	342.5	351.7	356.0	360.6	364.9	367.3	368.7	367.7	368.7
162.5°	326.2	336.8	346.5	354.9	358.5	362.6	367.7	369.9	371.3	370.0	371.3
165°	334.4	342.9	351.4	358.5	361.7	364.9	370.2	372.6	373.7	372.3	373.7
167.5°	340.6	347.1	353.9	360.0	362.4	365.5	370.8	372.9	374.2	372.4	374.2
170°	344.0	349.6	355.6	360.6	362.4	365.2	370.5	372.3	373.4	371.6	373.4
172.5°	346.8	351.0	355.9	360.3	361.2	363.5	368.5	370.3	371.1	369.6	371.1
175°	349.6	352.1	355.6	358.5	358.1	359.5	363.8	365.2	366.6	364.5	366.6
177.5°	351.0	352.1	353.2	354.9	353.8	353.8	356.9	357.8	358.0	356.9	358.0
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7
2.5°	1000.0	999.2	998.5	1000.2	1004.3	1005.8	999.4	993.0	999.4	1005.8	1004.3
5°	1000.4	998.9	998.0	999.6	1003.8	1005.0	997.0	989.0	997.0	1005.0	1003.8
7.5°	998.9	996.7	995.1	996.4	1000.5	1001.6	993.4	985.2	993.4	1001.6	1000.5
10°	996.2	993.6	991.3	992.0	995.7	996.8	989.7	982.7	989.7	996.8	995.7
12.5°	990.2	987.1	984.0	984.2	987.5	988.4	981.7	975.1	981.7	988.4	987.5
15°	981.1	977.4	973.2	972.0	973.9	973.7	967.6	961.5	967.6	973.7	973.9
17.5°	973.6	968.4	962.4	959.5	959.7	958.0	950.5	943.1	950.5	958.0	959.7
20°	969.0	962.2	954.7	950.5	949.5	946.6	937.7	928.7	937.7	946.6	949.5
22.5°	968.2	957.7	946.4	939.9	938.2	934.4	923.9	913.5	923.9	934.4	938.2
25°	968.8	953.4	937.0	925.4	918.9	911.3	901.0	890.6	901.0	911.3	918.9
27.5°	962.2	945.9	927.4	911.2	897.4	884.5	874.2	864.0	874.2	884.5	897.4
30°	951.1	934.4	915.1	897.2	880.8	866.0	856.1	846.2	856.1	866.0	880.8
32.5°	935.6	918.0	897.2	878.0	860.5	844.7	834.5	824.2	834.5	844.7	860.5
35°	908.7	891.4	869.7	848.3	827.2	808.8	799.0	789.1	799.0	808.8	827.2
37.5°	854.5	845.4	833.2	815.3	791.6	771.1	759.9	748.7	759.9	771.1	791.6
40°	805.6	805.3	803.0	790.5	767.9	747.4	732.8	718.2	732.8	747.4	767.9
42.5°	738.5	752.3	761.6	758.4	742.6	726.0	707.3	688.6	707.3	726.0	742.6
45°	595.1	635.4	682.9	703.5	697.4	687.3	665.2	643.1	665.2	687.3	697.4
47.5°	499.6	541.6	593.2	624.5	635.5	638.3	616.5	594.7	616.5	638.3	635.5
50°	446.5	482.3	526.1	561.3	588.1	603.0	582.4	561.7	582.4	603.0	588.1
52.5°	394.1	427.3	465.4	502.6	538.8	561.3	542.9	524.4	542.9	561.3	538.8
55°	306.5	344.5	389.1	430.0	467.2	491.9	479.2	466.5	479.2	491.9	467.2
57.5°	228.8	273.1	325.6	366.2	395.1	414.5	405.6	396.7	405.6	414.5	395.1
60°	189.0	230.2	282.0	320.7	346.6	364.2	357.2	350.1	357.2	364.2	346.6
62.5°	165.2	198.1	240.8	275.4	302.0	320.4	314.1	307.8	314.1	320.4	302.0
65°	141.6	161.5	187.8	214.8	242.6	261.9	255.7	249.6	255.7	261.9	242.6
67.5°	123.6	133.9	147.5	167.4	193.9	212.0	205.3	198.7	205.3	212.0	193.9
70°	110.8	116.7	124.2	140.4	165.4	182.3	175.2	168.2	175.2	182.3	165.4
72.5°	97.4	101.2	106.1	119.5	141.4	156.2	149.5	142.8	149.5	156.2	141.4
75°	78.2	80.0	82.4	91.6	107.5	118.2	113.1	107.9	113.1	118.2	107.5
77.5°	59.3	60.4	61.6	67.4	77.9	84.9	81.6	78.3	81.6	84.9	77.9
80°	47.5	48.0	48.4	52.2	59.2	64.2	62.8	61.4	62.8	64.2	59.2
82.5°	35.5	36.1	36.6	38.6	42.3	45.2	45.6	46.1	45.6	45.2	42.3
85°	15.5	17.3	19.2	20.6	21.5	22.4	23.4	24.3	23.4	22.4	21.5
87.5°	4.0	4.2	4.6	5.7	7.3	8.5	8.1	7.8	8.1	8.4	7.5
90°	7.4	7.1	7.1	6.7	5.7	4.3	2.5	1.1	2.5	3.9	6.4
92.5°	8.9	8.8	8.2	7.6	6.2	6.2	6.2	3.9	6.7	9.6	13.7
95°	8.1	8.1	9.6	12.0	17.7	18.1	12.0	11.0	15.6	22.0	27.6
97.5°	22.0	26.2	32.2	33.3	31.5	23.5	22.5	21.0	28.6	34.9	44.0
100°	40.7	46.0	50.3	41.8	32.9	32.6	30.5	29.8	37.9	43.9	52.8
102.5°	63.7	65.3	50.6	45.8	43.7	42.2	39.0	38.5	46.7	55.0	62.4
105°	69.1	62.0	62.3	62.3	60.9	58.1	52.1	51.7	60.9	70.5	79.7
107.5°	81.3	82.3	84.2	83.7	82.1	74.5	67.4	65.8	74.1	85.6	95.7
110°	97.4	98.5	99.2	98.5	96.0	86.4	77.9	75.4	82.9	94.9	105.9



TEST NUMBER: P1428016

CATALOG NUMBER: SQ2W-PP3-K-025U-050D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	113.0	113.8	115.3	113.2	109.0	98.0	88.4	84.8	92.2	104.6	115.8
115°	137.8	137.8	138.1	137.1	128.6	117.2	104.5	99.2	105.6	116.9	129.3
117.5°	162.2	162.6	161.2	158.3	148.5	135.3	121.0	112.5	117.5	129.5	142.3
120°	177.5	178.2	176.8	172.5	162.9	148.1	131.8	121.9	125.7	137.4	150.2
122.5°	193.3	193.2	191.5	186.7	175.4	160.0	144.0	131.8	133.4	144.2	156.7
125°	215.4	215.0	213.6	207.9	196.2	180.3	161.5	146.6	144.5	153.7	166.5
127.5°	236.3	235.6	233.4	226.5	214.5	199.1	178.5	161.7	156.9	162.7	174.4
130°	250.8	249.7	245.8	238.4	226.7	212.2	191.3	172.2	165.4	169.0	179.2
132.5°	264.7	261.6	258.3	250.3	239.5	224.4	203.2	183.2	173.9	175.5	183.5
135°	282.3	279.5	275.2	267.4	257.2	242.3	221.0	199.4	186.7	185.3	189.9
137.5°	297.8	294.9	290.0	283.3	273.0	259.7	239.3	216.5	200.4	195.7	197.4
140°	307.5	303.9	299.7	292.9	283.7	269.9	250.1	228.1	210.1	203.3	202.3
142.5°	315.4	312.7	308.2	302.0	293.9	280.1	260.9	239.2	220.0	211.3	208.8
145°	327.3	325.2	320.2	314.6	307.8	294.0	276.3	254.7	235.6	224.2	218.9
147.5°	337.4	335.7	331.8	325.1	319.4	306.2	290.0	270.9	251.3	237.3	230.4
150°	343.6	342.2	338.3	331.9	326.2	313.8	298.3	280.5	261.8	246.9	238.0
152.5°	349.5	348.1	343.7	337.3	332.5	320.9	306.8	289.9	270.8	256.0	246.8
155°	357.4	355.6	351.4	345.4	341.1	330.5	317.4	302.5	286.2	270.6	260.4
157.5°	363.6	361.4	357.5	352.3	347.8	338.0	326.6	313.8	299.5	284.7	274.2
160°	367.3	364.9	360.6	356.0	351.7	342.5	332.3	320.6	307.5	294.0	282.7
162.5°	369.9	367.7	362.6	358.5	354.9	346.5	336.8	326.2	314.6	302.8	292.3
165°	372.6	370.2	364.9	361.7	358.5	351.4	342.9	334.4	324.5	314.9	306.4
167.5°	372.9	370.8	365.5	362.4	360.0	353.9	347.1	340.6	332.8	325.3	318.2
170°	372.3	370.5	365.2	362.4	360.6	355.6	349.6	344.0	337.9	331.6	325.9
172.5°	370.3	368.5	363.5	361.2	360.3	355.9	351.0	346.8	341.6	336.9	332.4
175°	365.2	363.8	359.5	358.1	358.5	355.6	352.1	349.6	346.4	343.6	341.1
177.5°	357.8	356.9	353.8	353.8	354.9	353.2	352.1	351.0	349.5	348.7	347.8
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



TEST NUMBER: P1428016

CATALOG NUMBER: SQ2W-PP3-K-025U-050D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7	1000.7
2.5°	1000.2	998.5	999.2	1000.0	1000.7	1001.5	1000.7	1000.0	999.2	998.5	1000.2
5°	999.6	998.0	998.9	1000.4	1003.7	1007.0	1003.7	1000.4	998.9	998.0	999.6
7.5°	996.4	995.1	996.7	998.9	1003.0	1007.0	1003.0	998.9	996.7	995.1	996.4
10°	992.0	991.3	993.6	996.2	999.5	1002.8	999.5	996.2	993.6	991.3	992.0
12.5°	984.2	984.0	987.1	990.2	993.1	996.0	993.1	990.2	987.1	984.0	984.2
15°	972.0	973.2	977.4	981.1	983.5	985.8	983.5	981.1	977.4	973.2	972.0
17.5°	959.5	962.4	968.4	973.6	976.0	978.4	976.0	973.6	968.4	962.4	959.5
20°	950.5	954.7	962.2	969.0	973.7	978.4	973.7	969.0	962.2	954.7	950.5
22.5°	939.9	946.4	957.7	968.2	976.3	984.4	976.3	968.2	957.7	946.4	939.9
25°	925.4	937.0	953.4	968.8	981.0	993.3	981.0	968.8	953.4	937.0	925.4
27.5°	911.2	927.4	945.9	962.2	971.9	981.6	971.9	962.2	945.9	927.4	911.2
30°	897.2	915.1	934.4	951.1	960.0	968.9	960.0	951.1	934.4	915.1	897.2
32.5°	878.0	897.2	918.0	935.6	943.8	952.0	943.8	935.6	918.0	897.2	878.0
35°	848.3	869.7	891.4	908.7	913.4	918.1	913.4	908.7	891.4	869.7	848.3
37.5°	815.3	833.2	845.4	854.5	854.8	855.1	854.8	854.5	845.4	833.2	815.3
40°	790.5	803.0	805.3	805.6	799.4	793.3	799.4	805.6	805.3	803.0	790.5
42.5°	758.4	761.6	752.3	738.5	711.3	684.2	711.3	738.5	752.3	761.6	758.4
45°	703.5	682.9	635.4	595.1	576.3	557.4	576.3	595.1	635.4	682.9	703.5
47.5°	624.5	593.2	541.6	499.6	486.6	473.7	486.6	499.6	541.6	593.2	624.5
50°	561.3	526.1	482.3	446.5	434.3	422.1	434.3	446.5	482.3	526.1	561.3
52.5°	502.6	465.4	427.3	394.1	375.5	356.9	375.5	394.1	427.3	465.4	502.6
55°	430.0	389.1	344.5	306.5	288.7	270.8	288.7	306.5	344.5	389.1	430.0
57.5°	366.2	325.6	273.1	228.8	208.7	188.7	208.7	228.8	273.1	325.6	366.2
60°	320.7	282.0	230.2	189.0	179.1	169.2	179.1	189.0	230.2	282.0	320.7
62.5°	275.4	240.8	198.1	165.2	161.7	158.2	161.7	165.2	198.1	240.8	275.4
65°	214.8	187.8	161.5	141.6	141.2	140.7	141.2	141.6	161.5	187.8	214.8
67.5°	167.4	147.5	133.9	123.6	123.1	122.5	123.1	123.6	133.9	147.5	167.4
70°	140.4	124.2	116.7	110.8	109.9	109.0	109.9	110.8	116.7	124.2	140.4
72.5°	119.5	106.1	101.2	97.4	96.8	96.3	96.8	97.4	101.2	106.1	119.5
75°	91.6	82.4	80.0	78.2	77.7	77.2	77.7	78.2	80.0	82.4	91.6
77.5°	67.4	61.6	60.4	59.3	58.9	58.4	58.9	59.3	60.4	61.6	67.4
80°	52.2	48.4	48.0	47.5	47.0	46.5	47.0	47.5	48.0	48.4	52.2
82.5°	38.6	36.6	36.1	35.5	34.7	33.8	34.7	35.5	36.1	36.6	38.6
85°	20.6	19.2	17.3	15.5	14.1	12.7	14.1	15.5	17.3	19.2	20.6
87.5°	6.0	5.3	5.4	5.4	5.7	5.6	5.7	5.4	5.4	5.3	6.0
90°	8.1	10.6	13.1	14.5	15.9	15.2	15.9	14.5	13.1	10.6	8.1
92.5°	16.4	20.5	23.6	26.1	27.3	27.1	27.3	26.1	23.6	20.5	16.4
95°	32.9	37.9	42.9	46.4	48.5	47.8	48.5	46.4	42.9	37.9	32.9
97.5°	50.8	57.5	63.0	66.3	68.4	69.9	68.4	66.3	63.0	57.5	50.8
100°	62.7	69.1	75.4	79.3	82.9	84.3	82.9	79.3	75.4	69.1	62.7
102.5°	72.3	80.7	87.6	91.8	94.8	96.2	94.8	91.8	87.6	80.7	72.3
105°	88.2	97.1	104.5	109.8	113.0	114.1	113.0	109.8	104.5	97.1	88.2
107.5°	104.1	113.2	120.1	126.0	129.9	132.1	129.9	126.0	120.1	113.2	104.1
110°	116.5	124.0	131.4	136.7	140.6	142.0	140.6	136.7	131.4	124.0	116.5



TEST NUMBER: P1428016

CATALOG NUMBER: SQ2W-PP3-K-025U-050D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	127.0	135.3	142.8	148.1	152.5	154.5	152.5	148.1	142.8	135.3	127.0
115°	141.7	152.7	159.4	164.4	167.5	169.3	167.5	164.4	159.4	152.7	141.7
117.5°	153.9	165.4	172.7	176.5	178.0	179.3	178.0	176.5	172.7	165.4	153.9
120°	161.5	172.2	180.7	185.6	187.4	188.1	187.4	185.6	180.7	172.2	161.5
122.5°	168.6	178.7	186.9	193.0	195.9	196.6	195.9	193.0	186.9	178.7	168.6
125°	178.5	188.1	196.6	202.6	205.8	207.6	205.8	202.6	196.6	188.1	178.5
127.5°	187.2	197.5	205.3	210.8	213.9	215.3	213.9	210.8	205.3	197.5	187.2
130°	192.0	202.6	210.4	216.4	219.3	220.7	219.3	216.4	210.4	202.6	192.0
132.5°	195.7	206.9	214.9	220.4	223.5	224.9	223.5	220.4	214.9	206.9	195.7
135°	200.1	211.8	220.3	225.6	228.5	229.9	228.5	225.6	220.3	211.8	200.1
137.5°	204.0	214.7	223.5	229.1	231.7	232.6	231.7	229.1	223.5	214.7	204.0
140°	206.9	216.1	224.9	230.2	233.1	233.4	233.1	230.2	224.9	216.1	206.9
142.5°	210.6	217.8	225.5	230.8	233.6	234.3	233.6	230.8	225.5	217.8	210.6
145°	217.1	221.4	226.7	231.7	234.1	234.9	234.1	231.7	226.7	221.4	217.1
147.5°	225.4	226.8	229.5	232.8	235.2	235.7	235.2	232.8	229.5	226.8	225.4
150°	231.7	231.3	232.4	234.5	236.6	236.3	236.6	234.5	232.4	231.3	231.7
152.5°	238.7	236.7	236.6	237.6	238.6	238.5	238.6	237.6	236.6	236.7	238.7
155°	250.8	246.9	244.8	244.1	244.1	243.7	244.1	244.1	244.8	246.9	250.8
157.5°	264.0	258.6	255.4	253.7	253.2	252.4	253.2	253.7	255.4	258.6	264.0
160°	273.1	267.1	263.9	261.1	260.0	258.9	260.0	261.1	263.9	267.1	273.1
162.5°	281.6	275.9	272.4	269.8	268.8	267.2	268.8	269.8	272.4	275.9	281.6
165°	295.4	289.4	285.5	283.4	282.0	280.5	282.0	283.4	285.5	289.4	295.4
167.5°	309.2	302.6	300.1	297.7	296.3	293.8	296.3	297.7	300.1	302.6	309.2
170°	317.7	311.7	310.3	308.2	305.7	302.9	305.7	308.2	310.3	311.7	317.7
172.5°	325.1	321.1	319.7	317.5	316.7	314.5	316.7	317.5	319.7	321.1	325.1
175°	335.8	332.6	332.6	332.3	331.2	329.1	331.2	332.3	332.6	332.6	335.8
177.5°	344.7	343.0	344.2	344.2	343.9	341.9	343.9	344.2	344.2	343.0	344.7
180°	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7	350.7



TEST NUMBER: P1428016

CATALOG NUMBER: SQ2W-PP3-K-025U-050D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1000.7	1000.7	1000.7	1000.7
2.5°	1004.3	1005.8	999.4	993.0
5°	1003.8	1005.0	997.0	989.0
7.5°	1000.5	1001.6	993.4	985.2
10°	995.7	996.8	989.7	982.7
12.5°	987.5	988.4	981.7	975.1
15°	973.9	973.7	967.6	961.5
17.5°	959.7	958.0	950.5	943.1
20°	949.5	946.6	937.7	928.7
22.5°	938.2	934.4	923.9	913.5
25°	918.9	911.3	901.0	890.6
27.5°	897.4	884.5	874.2	864.0
30°	880.8	866.0	856.1	846.2
32.5°	860.5	844.7	834.5	824.2
35°	827.2	808.8	799.0	789.1
37.5°	791.6	771.1	759.9	748.7
40°	767.9	747.4	732.8	718.2
42.5°	742.6	726.0	707.3	688.6
45°	697.4	687.3	665.2	643.1
47.5°	635.5	638.3	616.5	594.7
50°	588.1	603.0	582.4	561.7
52.5°	538.8	561.3	542.9	524.4
55°	467.2	491.9	479.2	466.5
57.5°	395.1	414.5	405.6	396.7
60°	346.6	364.2	357.2	350.1
62.5°	302.0	320.4	314.1	307.8
65°	242.6	261.9	255.7	249.6
67.5°	193.9	212.0	205.3	198.7
70°	165.4	182.3	175.2	168.2
72.5°	141.4	156.2	149.5	142.8
75°	107.5	118.2	113.1	107.9
77.5°	77.9	84.9	81.6	78.3
80°	59.2	64.2	62.8	61.4
82.5°	42.3	45.2	45.6	46.1
85°	21.5	22.4	23.4	24.3
87.5°	7.5	8.4	8.1	7.8
90°	6.4	3.9	2.5	1.1
92.5°	13.7	9.6	6.7	3.9
95°	27.6	22.0	15.6	11.0
97.5°	44.0	34.9	28.6	21.0
100°	52.8	43.9	37.9	29.8
102.5°	62.4	55.0	46.7	38.5
105°	79.7	70.5	60.9	51.7
107.5°	95.7	85.6	74.1	65.8
110°	105.9	94.9	82.9	75.4

TEST NUMBER: P1428016

CATALOG NUMBER: SQ2W-PP3-K-025U-050D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	115.8	104.6	92.2	84.8
115°	129.3	116.9	105.6	99.2
117.5°	142.3	129.5	117.5	112.5
120°	150.2	137.4	125.7	121.9
122.5°	156.7	144.2	133.4	131.8
125°	166.5	153.7	144.5	146.6
127.5°	174.4	162.7	156.9	161.7
130°	179.2	169.0	165.4	172.2
132.5°	183.5	175.5	173.9	183.2
135°	189.9	185.3	186.7	199.4
137.5°	197.4	195.7	200.4	216.5
140°	202.3	203.3	210.1	228.1
142.5°	208.8	211.3	220.0	239.2
145°	218.9	224.2	235.6	254.7
147.5°	230.4	237.3	251.3	270.9
150°	238.0	246.9	261.8	280.5
152.5°	246.8	256.0	270.8	289.9
155°	260.4	270.6	286.2	302.5
157.5°	274.2	284.7	299.5	313.8
160°	282.7	294.0	307.5	320.6
162.5°	292.3	302.8	314.6	326.2
165°	306.4	314.9	324.5	334.4
167.5°	318.2	325.3	332.8	340.6
170°	325.9	331.6	337.9	344.0
172.5°	332.4	336.9	341.6	346.8
175°	341.1	343.6	346.4	349.6
177.5°	347.8	348.7	349.5	351.0
180°	350.7	350.7	350.7	350.7



TEST NUMBER: P1428016  
 CATALOG NUMBER: SQ2W-PP3-K-025U-050D-L940-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	18.90	19.94	19.66	20.71	21.65	14.67	15.71	15.43	16.49	17.42
	3H	19.97	20.90	20.75	21.69	22.66	16.00	16.92	16.77	17.71	18.68
	4H	20.35	21.23	21.14	22.02	23.00	16.56	17.43	17.35	18.23	19.21
	6H	20.56	21.36	21.36	22.16	23.15	16.94	17.74	17.74	18.54	19.53
	8H	20.62	21.39	21.44	22.21	23.20	17.07	17.83	17.88	18.65	19.65
	12H	20.65	21.38	21.47	22.19	23.21	17.11	17.84	17.93	18.65	19.67
4H	2H	19.04	19.92	19.84	20.71	21.69	15.60	16.48	16.40	17.27	18.25
	3H	20.35	21.08	21.16	21.90	22.90	17.04	17.77	17.85	18.60	19.59
	4H	20.87	21.52	21.69	22.35	23.38	17.67	18.33	18.49	19.16	20.18
	6H	21.19	21.76	22.03	22.61	23.64	18.13	18.69	18.97	19.55	20.58
	8H	21.31	21.83	22.15	22.68	23.72	18.30	18.83	19.14	19.68	20.72
	12H	21.36	21.83	22.22	22.70	23.75	18.36	18.83	19.22	19.70	20.75
8H	4H	20.90	21.43	21.74	22.28	23.32	17.99	18.52	18.84	19.37	20.41
	6H	21.32	21.76	22.19	22.65	23.69	18.56	19.00	19.43	19.89	20.93
	8H	21.50	21.89	22.38	22.77	23.83	18.81	19.20	19.69	20.08	21.14
	12H	21.60	21.95	22.48	22.82	23.94	18.91	19.26	19.80	20.13	21.25
12H	4H	20.87	21.34	21.73	22.21	23.26	18.01	18.49	18.87	19.36	20.40
	6H	21.31	21.70	22.19	22.59	23.64	18.63	19.01	19.51	19.90	20.96
	8H	21.52	21.86	22.40	22.73	23.85	18.91	19.25	19.79	20.13	21.24