

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: P1428037

Luminaire Tested: SQ2W-PP3-K-050U-050D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428037
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-050U-050D-L840-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 500 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

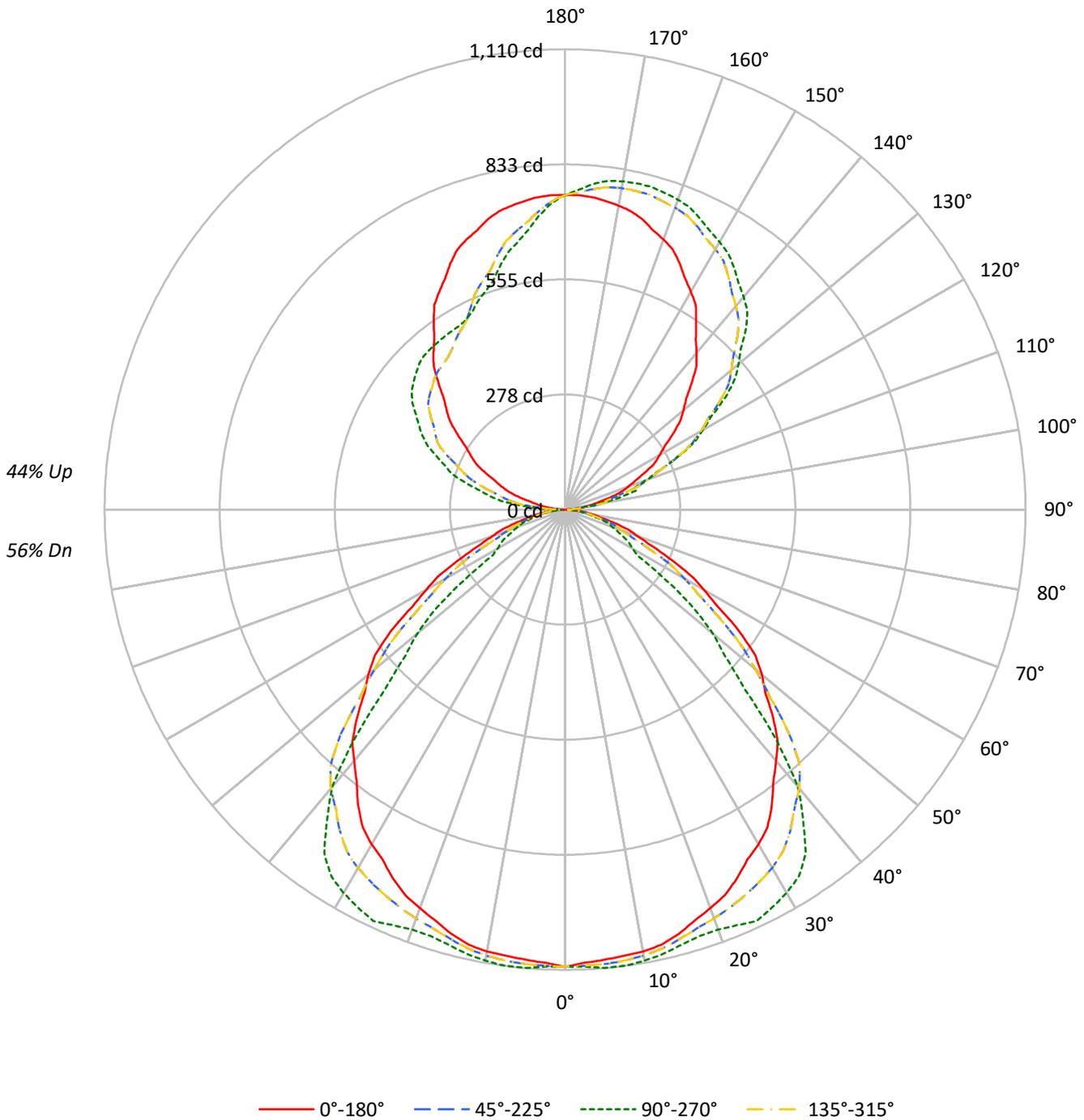
Lumens per Lamp: N/A
Luminaire Lumens: 4994.7 lumens
Efficiency: N/A
Efficacy: 152.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 32.7
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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	56				
1	100	96	92	89	93	89	86	83	77	74	72	66	64	62	55	54	53	48				
2	91	84	78	73	85	78	73	69	68	64	61	58	55	53	49	47	45	41				
3	84	74	67	62	77	69	63	58	60	56	52	52	48	45	44	41	39	35				
4	77	66	58	52	71	62	55	50	54	49	44	47	42	39	40	37	34	31				
5	70	59	51	45	65	55	48	43	48	43	39	42	38	34	36	33	30	27				
6	65	53	45	39	60	50	43	38	44	38	34	38	34	30	33	29	27	24				
7	60	48	40	35	56	45	38	33	40	34	30	35	30	27	30	26	24	21				
8	56	44	36	31	52	41	34	29	36	31	27	32	27	24	27	24	21	19				
9	52	40	32	27	48	38	31	26	33	28	24	29	25	22	25	22	19	17				
10	49	37	29	25	45	35	28	24	31	25	22	27	23	19	23	20	17	16				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17800	17800	17800	17800
5°	17661	17982	17661	17982
10°	17750	18113	17750	18113
15°	17708	18156	17708	18156
20°	17580	18522	17580	18522
25°	17482	19495	17482	19495
30°	17381	19902	17381	19902
35°	17136	19939	17136	19939
40°	16678	18423	16678	18423
45°	16180	14024	16180	14024
50°	15543	11680	15543	11680
55°	14466	8397	14466	8397
60°	12458	6022	12458	6022
65°	10506	5922	10506	5922
70°	8747	5665	8747	5665
75°	7417	5309	7417	5309
80°	6285	4770	6285	4770
85°	4965	2593	4965	2593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 17698 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.0	2.1
10°-20°	303.8	6.1
20°-30°	476.0	9.5
30°-40°	587.2	11.8
40°-50°	552.8	11.1
50°-60°	391.4	7.8
60°-70°	223.0	4.5
70°-80°	110.4	2.2
80°-90°	30.1	0.6
90°-100°	60.4	1.2
100°-110°	176.1	3.5
110°-120°	287.3	5.8
120°-130°	364.6	7.3
130°-140°	390.1	7.8
140°-150°	364.3	7.3
150°-160°	299.8	6.0
160°-170°	201.0	4.0
170°-180°	71.4	1.4
0°-30°	884.8	17.7
0°-40°	1471.9	29.5
0°-60°	2416.1	48.4
0°-90°	2779.7	55.7
90°-120°	523.8	10.5
90°-150°	1642.8	32.9
90°-180°	2215.0	44.3
0°-180°	4994.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1102	1102	1102	1102	1102	
5°	1090	1110	1090	1110	1090	104
15°	1059	1086	1059	1086	1059	299
25°	981	1094	981	1094	981	452
35°	869	1012	869	1012	869	542
45°	709	614	709	614	709	545
55°	514	298	514	298	514	453
65°	275	155	275	155	275	276
75°	119	85	119	85	119	129
85°	27	14	27	14	27	31
90°	2	17	2	33	2	3
95°	24	18	24	103	24	29
105°	112	179	112	247	112	119
115°	215	297	215	366	215	211
125°	317	471	317	449	317	284
135°	431	617	431	497	431	333
145°	551	711	551	508	551	345
155°	654	772	654	527	654	301
165°	723	805	723	607	723	204
175°	756	788	756	712	756	72
180°	759	759	759	759	759	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5
2.5°	1094.1	1101.1	1108.2	1106.5	1102.0	1100.1	1100.9	1101.8	1102.6	1103.4	1102.6
5°	1089.7	1098.5	1107.3	1106.0	1101.3	1099.5	1100.5	1102.2	1105.8	1109.5	1105.8
7.5°	1085.5	1094.5	1103.5	1102.3	1097.8	1096.4	1098.1	1100.6	1105.0	1109.5	1105.0
10°	1082.7	1090.4	1098.2	1097.0	1092.9	1092.1	1094.7	1097.6	1101.2	1104.8	1101.2
12.5°	1074.3	1081.6	1089.0	1088.0	1084.3	1084.1	1087.6	1090.9	1094.1	1097.4	1094.1
15°	1059.4	1066.1	1072.8	1073.0	1070.9	1072.2	1076.8	1081.0	1083.6	1086.2	1083.6
17.5°	1039.1	1047.3	1055.4	1057.3	1057.1	1060.3	1067.0	1072.6	1075.3	1078.0	1075.3
20°	1023.2	1033.1	1042.9	1046.2	1047.2	1051.8	1060.1	1067.6	1072.8	1078.0	1072.8
22.5°	1006.4	1017.9	1029.4	1033.7	1035.6	1042.7	1055.2	1066.7	1075.6	1084.5	1075.6
25°	981.3	992.7	1004.1	1012.4	1019.6	1032.3	1050.4	1067.4	1080.9	1094.3	1080.9
27.5°	951.9	963.2	974.5	988.7	1004.0	1021.8	1042.2	1060.2	1070.8	1081.5	1070.8
30°	932.3	943.2	954.1	970.4	988.5	1008.2	1029.4	1047.8	1057.7	1067.5	1057.7
32.5°	908.1	919.4	930.7	948.0	967.4	988.5	1011.4	1030.8	1039.9	1048.9	1039.9
35°	869.4	880.3	891.2	911.4	934.7	958.2	982.1	1001.2	1006.4	1011.6	1006.4
37.5°	824.9	837.2	849.5	872.2	898.3	918.0	931.4	941.5	941.8	942.1	941.8
40°	791.3	807.4	823.4	846.1	871.0	884.7	887.3	887.5	880.8	874.1	880.8
42.5°	758.7	779.3	799.9	818.1	835.5	839.1	828.8	813.7	783.7	753.8	783.7
45°	708.6	732.9	757.3	768.4	775.1	752.3	700.0	655.6	634.9	614.2	634.9
47.5°	655.2	679.2	703.3	700.2	688.1	653.6	596.7	550.5	536.2	521.9	536.2
50°	618.8	641.6	664.4	648.0	618.4	579.6	531.4	491.9	478.5	465.0	478.5
52.5°	577.8	598.1	618.4	593.6	553.7	512.8	470.8	434.2	413.7	393.2	413.7
55°	513.9	527.9	541.9	514.7	473.8	428.7	379.5	337.7	318.0	298.3	318.0
57.5°	437.0	446.9	456.7	435.3	403.5	358.7	300.9	252.0	230.0	207.9	230.0
60°	385.8	393.5	401.3	381.9	353.4	310.6	253.7	208.2	197.3	186.5	197.3
62.5°	339.1	346.1	353.0	332.8	303.4	265.3	218.2	182.0	178.2	174.3	178.2
65°	275.0	281.8	288.5	267.3	236.7	206.9	177.9	156.0	155.5	155.0	155.5
67.5°	218.9	226.2	233.6	213.6	184.5	162.5	147.5	136.2	135.6	135.0	135.6
70°	185.3	193.1	200.8	182.2	154.7	136.9	128.6	122.1	121.1	120.0	121.1
72.5°	157.3	164.7	172.0	155.8	131.6	116.9	111.5	107.3	106.7	106.1	106.7
75°	118.9	124.6	130.3	118.5	100.9	90.8	88.2	86.1	85.6	85.1	85.6
77.5°	86.2	89.9	93.5	85.8	74.3	67.9	66.5	65.4	64.8	64.3	64.8
80°	67.6	69.1	70.7	65.3	57.5	53.3	52.8	52.3	51.8	51.3	51.8
82.5°	50.8	50.3	49.8	46.6	42.6	40.3	39.8	39.2	38.2	37.3	38.2
85°	26.8	25.8	24.7	23.7	22.7	21.1	19.0	17.1	15.5	14.0	15.5
87.5°	8.9	9.5	10.2	9.3	7.7	6.6	6.2	6.0	6.2	6.2	6.2
90°	2.3	5.4	9.2	12.3	14.6	15.3	15.3	16.1	16.9	16.9	16.9
92.5°	8.4	13.3	13.5	13.5	16.4	17.8	19.0	19.2	19.9	19.9	19.9
95°	23.8	26.1	39.1	38.3	26.1	20.7	17.6	17.6	17.6	17.6	17.6
97.5°	45.4	48.7	50.9	68.2	72.0	69.6	56.7	47.7	42.6	40.3	42.6
100°	64.4	65.9	70.5	71.3	90.4	108.8	99.6	88.1	84.3	82.0	84.3
102.5°	83.4	84.3	91.3	94.6	99.0	109.4	141.3	137.8	135.2	134.7	135.2
105°	111.9	112.6	125.7	131.8	134.9	134.9	134.1	149.4	173.9	179.3	173.9
107.5°	142.4	145.9	161.2	177.6	181.1	182.1	178.1	175.8	174.9	175.5	174.9
110°	163.2	168.6	187.0	207.7	213.0	214.6	213.0	210.7	209.2	209.2	209.2

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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	183.4	191.3	212.1	235.9	244.9	249.5	246.1	244.4	242.9	244.1	242.9
115°	214.6	226.1	253.6	278.2	296.6	298.8	298.1	298.1	297.3	297.3	297.3
117.5°	243.4	261.8	292.7	321.2	342.5	348.7	351.7	350.8	349.9	351.4	349.9
120°	263.6	285.1	320.3	352.5	373.2	382.4	385.4	383.9	385.4	383.9	385.4
122.5°	285.1	311.4	346.1	379.5	403.8	414.3	417.9	418.2	418.5	417.6	418.5
125°	317.2	349.4	390.0	424.5	449.8	462.1	465.1	465.9	467.4	471.3	467.4
127.5°	349.7	386.2	430.8	464.1	490.0	504.8	509.6	511.3	514.5	516.2	514.5
130°	372.4	413.8	459.0	490.4	515.7	531.8	540.2	542.5	546.4	545.6	546.4
132.5°	396.3	439.5	485.4	518.0	541.5	558.8	566.0	572.6	573.9	575.0	573.9
135°	431.4	478.2	524.1	556.3	578.5	595.4	604.6	610.7	614.6	616.9	614.6
137.5°	468.4	517.7	561.8	590.5	612.9	627.4	637.9	644.3	648.3	650.1	648.3
140°	493.5	541.0	583.9	613.8	633.7	648.3	657.5	665.1	669.7	669.7	669.7
142.5°	517.4	564.3	606.0	635.9	653.3	666.7	676.5	682.3	687.5	687.5	687.5
145°	551.0	597.7	636.0	665.9	680.5	692.7	703.4	708.0	711.1	711.1	711.1
147.5°	586.1	627.4	662.4	691.0	703.3	717.7	726.1	729.8	733.6	732.0	733.6
150°	606.9	645.2	678.9	705.7	718.0	731.8	740.2	743.3	747.1	744.8	747.1
152.5°	627.1	663.6	694.2	719.2	729.7	743.4	753.1	756.2	758.8	757.1	758.8
155°	654.4	686.6	714.9	737.9	747.1	760.1	769.3	773.2	776.2	772.4	776.2
157.5°	678.8	706.5	731.2	752.3	762.1	773.3	781.9	786.7	789.7	788.0	789.7
160°	693.5	718.8	741.0	760.9	770.1	780.1	789.3	794.6	797.7	795.4	797.7
162.5°	705.7	728.6	749.6	767.7	775.6	784.4	795.4	800.1	803.2	800.3	803.2
165°	723.4	741.8	760.1	775.5	782.4	789.3	800.8	806.1	808.4	805.4	808.4
167.5°	736.7	750.8	765.7	778.8	783.9	790.6	802.1	806.6	809.5	805.7	809.5
170°	744.1	756.3	769.3	780.1	783.9	790.0	801.5	805.4	807.7	803.8	807.7
172.5°	750.2	759.4	770.0	779.5	781.5	786.4	797.2	801.1	802.8	799.5	802.8
175°	756.3	761.7	769.3	775.5	774.7	777.8	787.0	790.0	793.1	788.5	793.1
177.5°	759.2	761.7	764.1	767.8	765.4	765.4	772.1	773.9	774.6	772.1	774.6
180°	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5
2.5°	1101.8	1100.9	1100.1	1102.0	1106.5	1108.2	1101.1	1094.1	1101.1	1108.2	1106.5
5°	1102.2	1100.5	1099.5	1101.3	1106.0	1107.3	1098.5	1089.7	1098.5	1107.3	1106.0
7.5°	1100.6	1098.1	1096.4	1097.8	1102.3	1103.5	1094.5	1085.5	1094.5	1103.5	1102.3
10°	1097.6	1094.7	1092.1	1092.9	1097.0	1098.2	1090.4	1082.7	1090.4	1098.2	1097.0
12.5°	1090.9	1087.6	1084.1	1084.3	1088.0	1089.0	1081.6	1074.3	1081.6	1089.0	1088.0
15°	1081.0	1076.8	1072.2	1070.9	1073.0	1072.8	1066.1	1059.4	1066.1	1072.8	1073.0
17.5°	1072.6	1067.0	1060.3	1057.1	1057.3	1055.4	1047.3	1039.1	1047.3	1055.4	1057.3
20°	1067.6	1060.1	1051.8	1047.2	1046.2	1042.9	1033.1	1023.2	1033.1	1042.9	1046.2
22.5°	1066.7	1055.2	1042.7	1035.6	1033.7	1029.4	1017.9	1006.4	1017.9	1029.4	1033.7
25°	1067.4	1050.4	1032.3	1019.6	1012.4	1004.1	992.7	981.3	992.7	1004.1	1012.4
27.5°	1060.2	1042.2	1021.8	1004.0	988.7	974.5	963.2	951.9	963.2	974.5	988.7
30°	1047.8	1029.4	1008.2	988.5	970.4	954.1	943.2	932.3	943.2	954.1	970.4
32.5°	1030.8	1011.4	988.5	967.4	948.0	930.7	919.4	908.1	919.4	930.7	948.0
35°	1001.2	982.1	958.2	934.7	911.4	891.2	880.3	869.4	880.3	891.2	911.4
37.5°	941.5	931.4	918.0	898.3	872.2	849.5	837.2	824.9	837.2	849.5	872.2
40°	887.5	887.3	884.7	871.0	846.1	823.4	807.4	791.3	807.4	823.4	846.1
42.5°	813.7	828.8	839.1	835.5	818.1	799.9	779.3	758.7	779.3	799.9	818.1
45°	655.6	700.0	752.3	775.1	768.4	757.3	732.9	708.6	732.9	757.3	768.4
47.5°	550.5	596.7	653.6	688.1	700.2	703.3	679.2	655.2	679.2	703.3	700.2
50°	491.9	531.4	579.6	618.4	648.0	664.4	641.6	618.8	641.6	664.4	648.0
52.5°	434.2	470.8	512.8	553.7	593.6	618.4	598.1	577.8	598.1	618.4	593.6
55°	337.7	379.5	428.7	473.8	514.7	541.9	527.9	513.9	527.9	541.9	514.7
57.5°	252.0	300.9	358.7	403.5	435.3	456.7	446.9	437.0	446.9	456.7	435.3
60°	208.2	253.7	310.6	353.4	381.9	401.3	393.5	385.8	393.5	401.3	381.9
62.5°	182.0	218.2	265.3	303.4	332.8	353.0	346.1	339.1	346.1	353.0	332.8
65°	156.0	177.9	206.9	236.7	267.3	288.5	281.8	275.0	281.8	288.5	267.3
67.5°	136.2	147.5	162.5	184.5	213.6	233.6	226.2	218.9	226.2	233.6	213.6
70°	122.1	128.6	136.9	154.7	182.2	200.8	193.1	185.3	193.1	200.8	182.2
72.5°	107.3	111.5	116.9	131.6	155.8	172.0	164.7	157.3	164.7	172.0	155.8
75°	86.1	88.2	90.8	100.9	118.5	130.3	124.6	118.9	124.6	130.3	118.5
77.5°	65.4	66.5	67.9	74.3	85.8	93.5	89.9	86.2	89.9	93.5	85.8
80°	52.3	52.8	53.3	57.5	65.3	70.7	69.1	67.6	69.1	70.7	65.3
82.5°	39.2	39.8	40.3	42.6	46.6	49.8	50.3	50.8	50.3	49.8	46.6
85°	17.1	19.0	21.1	22.7	23.7	24.7	25.8	26.8	25.8	24.7	23.7
87.5°	6.0	6.2	6.6	7.7	9.3	10.2	9.5	8.9	9.5	10.1	9.6
90°	16.1	15.3	15.3	14.6	12.3	9.2	5.4	2.3	5.4	8.4	13.8
92.5°	19.2	19.0	17.8	16.4	13.5	13.5	13.3	8.4	14.6	20.7	29.7
95°	17.6	17.6	20.7	26.1	38.3	39.1	26.1	23.8	33.7	47.5	59.8
97.5°	47.7	56.7	69.6	72.0	68.2	50.9	48.7	45.4	61.8	75.4	95.2
100°	88.1	99.6	108.8	90.4	71.3	70.5	65.9	64.4	82.0	95.0	114.2
102.5°	137.8	141.3	109.4	99.0	94.6	91.3	84.3	83.4	101.0	118.9	135.0
105°	149.4	134.1	134.9	134.9	131.8	125.7	112.6	111.9	131.8	152.5	172.4
107.5°	175.8	178.1	182.1	181.1	177.6	161.2	145.9	142.4	160.3	185.1	207.0
110°	210.7	213.0	214.6	213.0	207.7	187.0	168.6	163.2	179.3	205.4	229.1



TEST NUMBER: P1428037

CATALOG NUMBER: SQ2W-PP3-K-050U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	244.4	246.1	249.5	244.9	235.9	212.1	191.3	183.4	199.5	226.2	250.6
115°	298.1	298.1	298.8	296.6	278.2	253.6	226.1	214.6	228.4	252.9	279.7
117.5°	350.8	351.7	348.7	342.5	321.2	292.7	261.8	243.4	254.3	280.2	307.7
120°	383.9	385.4	382.4	373.2	352.5	320.3	285.1	263.6	272.0	297.3	324.9
122.5°	418.2	417.9	414.3	403.8	379.5	346.1	311.4	285.1	288.6	312.0	339.0
125°	465.9	465.1	462.1	449.8	424.5	390.0	349.4	317.2	312.6	332.6	360.2
127.5°	511.3	509.6	504.8	490.0	464.1	430.8	386.2	349.7	339.5	352.0	377.3
130°	542.5	540.2	531.8	515.7	490.4	459.0	413.8	372.4	357.9	365.5	387.7
132.5°	572.6	566.0	558.8	541.5	518.0	485.4	439.5	396.3	376.2	379.6	396.9
135°	610.7	604.6	595.4	578.5	556.3	524.1	478.2	431.4	403.8	400.8	410.7
137.5°	644.3	637.9	627.4	612.9	590.5	561.8	517.7	468.4	433.6	423.3	427.1
140°	665.1	657.5	648.3	633.7	613.8	583.9	541.0	493.5	454.4	439.8	437.5
142.5°	682.3	676.5	666.7	653.3	635.9	606.0	564.3	517.4	475.9	457.0	451.6
145°	708.0	703.4	692.7	680.5	665.9	636.0	597.7	551.0	509.6	485.1	473.6
147.5°	729.8	726.1	717.7	703.3	691.0	662.4	627.4	586.1	543.6	513.3	498.4
150°	743.3	740.2	731.8	718.0	705.7	678.9	645.2	606.9	566.3	534.1	514.9
152.5°	756.2	753.1	743.4	729.7	719.2	694.2	663.6	627.1	585.9	553.7	533.9
155°	773.2	769.3	760.1	747.1	737.9	714.9	686.6	654.4	619.2	585.4	563.2
157.5°	786.7	781.9	773.3	762.1	752.3	731.2	706.5	678.8	648.0	615.8	593.1
160°	794.6	789.3	780.1	770.1	760.9	741.0	718.8	693.5	665.1	636.0	611.5
162.5°	800.1	795.4	784.4	775.6	767.7	749.6	728.6	705.7	680.5	655.0	632.3
165°	806.1	800.8	789.3	782.4	775.5	760.1	741.8	723.4	701.9	681.2	662.8
167.5°	806.6	802.1	790.6	783.9	778.8	765.7	750.8	736.7	720.0	703.8	688.4
170°	805.4	801.5	790.0	783.9	780.1	769.3	756.3	744.1	731.0	717.2	705.0
172.5°	801.1	797.2	786.4	781.5	779.5	770.0	759.4	750.2	739.0	728.9	719.1
175°	790.0	787.0	777.8	774.7	775.5	769.3	761.7	756.3	749.4	743.3	737.9
177.5°	773.9	772.1	765.4	765.4	767.8	764.1	761.7	759.2	756.2	754.3	752.5
180°	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6



TEST NUMBER: P1428037

CATALOG NUMBER: SQ2W-PP3-K-050U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5	1102.5
2.5°	1102.0	1100.1	1100.9	1101.8	1102.6	1103.4	1102.6	1101.8	1100.9	1100.1	1102.0
5°	1101.3	1099.5	1100.5	1102.2	1105.8	1109.5	1105.8	1102.2	1100.5	1099.5	1101.3
7.5°	1097.8	1096.4	1098.1	1100.6	1105.0	1109.5	1105.0	1100.6	1098.1	1096.4	1097.8
10°	1092.9	1092.1	1094.7	1097.6	1101.2	1104.8	1101.2	1097.6	1094.7	1092.1	1092.9
12.5°	1084.3	1084.1	1087.6	1090.9	1094.1	1097.4	1094.1	1090.9	1087.6	1084.1	1084.3
15°	1070.9	1072.2	1076.8	1081.0	1083.6	1086.2	1083.6	1081.0	1076.8	1072.2	1070.9
17.5°	1057.1	1060.3	1067.0	1072.6	1075.3	1078.0	1075.3	1072.6	1067.0	1060.3	1057.1
20°	1047.2	1051.8	1060.1	1067.6	1072.8	1078.0	1072.8	1067.6	1060.1	1051.8	1047.2
22.5°	1035.6	1042.7	1055.2	1066.7	1075.6	1084.5	1075.6	1066.7	1055.2	1042.7	1035.6
25°	1019.6	1032.3	1050.4	1067.4	1080.9	1094.3	1080.9	1067.4	1050.4	1032.3	1019.6
27.5°	1004.0	1021.8	1042.2	1060.2	1070.8	1081.5	1070.8	1060.2	1042.2	1021.8	1004.0
30°	988.5	1008.2	1029.4	1047.8	1057.7	1067.5	1057.7	1047.8	1029.4	1008.2	988.5
32.5°	967.4	988.5	1011.4	1030.8	1039.9	1048.9	1039.9	1030.8	1011.4	988.5	967.4
35°	934.7	958.2	982.1	1001.2	1006.4	1011.6	1006.4	1001.2	982.1	958.2	934.7
37.5°	898.3	918.0	931.4	941.5	941.8	942.1	941.8	941.5	931.4	918.0	898.3
40°	871.0	884.7	887.3	887.5	880.8	874.1	880.8	887.5	887.3	884.7	871.0
42.5°	835.5	839.1	828.8	813.7	783.7	753.8	783.7	813.7	828.8	839.1	835.5
45°	775.1	752.3	700.0	655.6	634.9	614.2	634.9	655.6	700.0	752.3	775.1
47.5°	688.1	653.6	596.7	550.5	536.2	521.9	536.2	550.5	596.7	653.6	688.1
50°	618.4	579.6	531.4	491.9	478.5	465.0	478.5	491.9	531.4	579.6	618.4
52.5°	553.7	512.8	470.8	434.2	413.7	393.2	413.7	434.2	470.8	512.8	553.7
55°	473.8	428.7	379.5	337.7	318.0	298.3	318.0	337.7	379.5	428.7	473.8
57.5°	403.5	358.7	300.9	252.0	230.0	207.9	230.0	252.0	300.9	358.7	403.5
60°	353.4	310.6	253.7	208.2	197.3	186.5	197.3	208.2	253.7	310.6	353.4
62.5°	303.4	265.3	218.2	182.0	178.2	174.3	178.2	182.0	218.2	265.3	303.4
65°	236.7	206.9	177.9	156.0	155.5	155.0	155.5	156.0	177.9	206.9	236.7
67.5°	184.5	162.5	147.5	136.2	135.6	135.0	135.6	136.2	147.5	162.5	184.5
70°	154.7	136.9	128.6	122.1	121.1	120.0	121.1	122.1	128.6	136.9	154.7
72.5°	131.6	116.9	111.5	107.3	106.7	106.1	106.7	107.3	111.5	116.9	131.6
75°	100.9	90.8	88.2	86.1	85.6	85.1	85.6	86.1	88.2	90.8	100.9
77.5°	74.3	67.9	66.5	65.4	64.8	64.3	64.8	65.4	66.5	67.9	74.3
80°	57.5	53.3	52.8	52.3	51.8	51.3	51.8	52.3	52.8	53.3	57.5
82.5°	42.6	40.3	39.8	39.2	38.2	37.3	38.2	39.2	39.8	40.3	42.6
85°	22.7	21.1	19.0	17.1	15.5	14.0	15.5	17.1	19.0	21.1	22.7
87.5°	8.3	8.1	8.8	9.1	9.7	9.4	9.7	9.1	8.8	8.1	8.3
90°	17.6	23.0	28.4	31.4	34.5	33.0	34.5	31.4	28.4	23.0	17.6
92.5°	35.4	44.4	51.0	56.6	59.0	58.7	59.0	56.6	51.0	44.4	35.4
95°	71.3	82.0	92.7	100.4	105.0	103.4	105.0	100.4	92.7	82.0	71.3
97.5°	109.9	124.3	136.2	143.4	148.0	151.1	148.0	143.4	136.2	124.3	109.9
100°	135.6	149.4	163.2	171.6	179.3	182.4	179.3	163.2	149.4	135.6	135.6
102.5°	156.5	174.6	189.6	198.6	205.1	208.1	205.1	198.6	189.6	174.6	156.5
105°	190.8	210.0	226.1	237.5	244.4	246.7	244.4	237.5	226.1	210.0	190.8
107.5°	225.1	244.9	259.8	272.5	280.9	285.8	280.9	272.5	259.8	244.9	225.1
110°	252.1	268.2	284.3	295.8	304.2	307.3	304.2	295.8	284.3	268.2	252.1



TEST NUMBER: P1428037

CATALOG NUMBER: SQ2W-PP3-K-050U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	274.8	292.7	308.8	320.3	330.0	334.3	330.0	320.3	308.8	292.7	274.8
115°	306.5	330.3	344.8	355.6	362.5	366.3	362.5	355.6	344.8	330.3	306.5
117.5°	332.9	357.7	373.6	381.9	385.1	387.9	385.1	381.9	373.6	357.7	332.9
120°	349.4	372.4	390.8	401.5	405.4	406.9	405.4	401.5	390.8	372.4	349.4
122.5°	364.7	386.5	404.3	417.5	423.8	425.3	423.8	417.5	404.3	386.5	364.7
125°	386.2	406.9	425.3	438.3	445.2	449.0	445.2	438.3	425.3	406.9	386.2
127.5°	404.9	427.3	444.1	455.9	462.7	465.7	462.7	455.9	444.1	427.3	404.9
130°	415.3	438.3	455.2	468.2	474.3	477.4	474.3	468.2	455.2	438.3	415.3
132.5°	423.3	447.5	465.0	476.8	483.5	486.6	483.5	476.8	465.0	447.5	423.3
135°	432.9	458.2	476.6	488.1	494.3	497.3	494.3	488.1	476.6	458.2	432.9
137.5°	441.4	464.4	483.5	495.6	501.1	503.1	501.1	495.6	483.5	464.4	441.4
140°	447.5	467.4	486.6	498.1	504.2	505.0	504.2	498.1	486.6	467.4	447.5
142.5°	455.5	471.1	487.8	499.3	505.4	506.8	505.4	499.3	487.8	471.1	455.5
145°	469.7	478.9	490.4	501.1	506.5	508.0	506.5	501.1	490.4	478.9	469.7
147.5°	487.7	490.6	496.5	503.6	508.8	509.9	508.8	503.6	496.5	490.6	487.7
150°	501.1	500.4	502.7	507.3	511.9	511.1	511.9	507.3	502.7	500.4	501.1
152.5°	516.5	512.0	511.9	514.0	516.2	516.0	516.2	514.0	511.9	512.0	516.5
155°	542.5	534.1	529.5	528.0	528.0	527.2	528.0	528.0	529.5	534.1	542.5
157.5°	571.2	559.4	552.5	548.8	547.7	546.1	547.7	548.8	552.5	559.4	571.2
160°	590.8	577.8	570.9	564.7	562.4	560.2	562.4	564.7	570.9	577.8	590.8
162.5°	609.2	596.8	589.3	583.8	581.5	577.9	581.5	583.8	589.3	596.8	609.2
165°	639.1	626.1	617.6	613.0	610.0	606.9	610.0	613.0	617.6	626.1	639.1
167.5°	669.0	654.7	649.2	644.0	641.1	635.6	641.1	644.0	649.2	654.7	669.0
170°	687.4	674.3	671.3	666.7	661.3	655.2	661.3	666.7	671.3	674.3	687.4
172.5°	703.3	694.6	691.5	686.9	685.2	680.3	685.2	686.9	691.5	694.6	703.3
175°	726.4	719.5	719.5	718.8	716.5	711.9	716.5	718.8	719.5	719.5	726.4
177.5°	745.7	742.1	744.5	744.5	743.9	739.6	743.9	744.5	744.5	742.1	745.7
180°	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6	758.6



TEST NUMBER: P1428037

CATALOG NUMBER: SQ2W-PP3-K-050U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1102.5	1102.5	1102.5	1102.5
2.5°	1106.5	1108.2	1101.1	1094.1
5°	1106.0	1107.3	1098.5	1089.7
7.5°	1102.3	1103.5	1094.5	1085.5
10°	1097.0	1098.2	1090.4	1082.7
12.5°	1088.0	1089.0	1081.6	1074.3
15°	1073.0	1072.8	1066.1	1059.4
17.5°	1057.3	1055.4	1047.3	1039.1
20°	1046.2	1042.9	1033.1	1023.2
22.5°	1033.7	1029.4	1017.9	1006.4
25°	1012.4	1004.1	992.7	981.3
27.5°	988.7	974.5	963.2	951.9
30°	970.4	954.1	943.2	932.3
32.5°	948.0	930.7	919.4	908.1
35°	911.4	891.2	880.3	869.4
37.5°	872.2	849.5	837.2	824.9
40°	846.1	823.4	807.4	791.3
42.5°	818.1	799.9	779.3	758.7
45°	768.4	757.3	732.9	708.6
47.5°	700.2	703.3	679.2	655.2
50°	648.0	664.4	641.6	618.8
52.5°	593.6	618.4	598.1	577.8
55°	514.7	541.9	527.9	513.9
57.5°	435.3	456.7	446.9	437.0
60°	381.9	401.3	393.5	385.8
62.5°	332.8	353.0	346.1	339.1
65°	267.3	288.5	281.8	275.0
67.5°	213.6	233.6	226.2	218.9
70°	182.2	200.8	193.1	185.3
72.5°	155.8	172.0	164.7	157.3
75°	118.5	130.3	124.6	118.9
77.5°	85.8	93.5	89.9	86.2
80°	65.3	70.7	69.1	67.6
82.5°	46.6	49.8	50.3	50.8
85°	23.7	24.7	25.8	26.8
87.5°	9.6	10.1	9.5	8.9
90°	13.8	8.4	5.4	2.3
92.5°	29.7	20.7	14.6	8.4
95°	59.8	47.5	33.7	23.8
97.5°	95.2	75.4	61.8	45.4
100°	114.2	95.0	82.0	64.4
102.5°	135.0	118.9	101.0	83.4
105°	172.4	152.5	131.8	111.9
107.5°	207.0	185.1	160.3	142.4
110°	229.1	205.4	179.3	163.2

TEST NUMBER: P1428037

CATALOG NUMBER: SQ2W-PP3-K-050U-050D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	250.6	226.2	199.5	183.4
115°	279.7	252.9	228.4	214.6
117.5°	307.7	280.2	254.3	243.4
120°	324.9	297.3	272.0	263.6
122.5°	339.0	312.0	288.6	285.1
125°	360.2	332.6	312.6	317.2
127.5°	377.3	352.0	339.5	349.7
130°	387.7	365.5	357.9	372.4
132.5°	396.9	379.6	376.2	396.3
135°	410.7	400.8	403.8	431.4
137.5°	427.1	423.3	433.6	468.4
140°	437.5	439.8	454.4	493.5
142.5°	451.6	457.0	475.9	517.4
145°	473.6	485.1	509.6	551.0
147.5°	498.4	513.3	543.6	586.1
150°	514.9	534.1	566.3	606.9
152.5°	533.9	553.7	585.9	627.1
155°	563.2	585.4	619.2	654.4
157.5°	593.1	615.8	648.0	678.8
160°	611.5	636.0	665.1	693.5
162.5°	632.3	655.0	680.5	705.7
165°	662.8	681.2	701.9	723.4
167.5°	688.4	703.8	720.0	736.7
170°	705.0	717.2	731.0	744.1
172.5°	719.1	728.9	739.0	750.2
175°	737.9	743.3	749.4	756.3
177.5°	752.5	754.3	756.2	759.2
180°	758.6	758.6	758.6	758.6



TEST NUMBER: P1428037
 CATALOG NUMBER: SQ2W-PP3-K-050U-050D-L840-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	17.97	18.85	18.88	19.78	20.97	13.74	14.62	14.65	15.55	16.74
	3H	19.03	19.82	19.96	20.75	21.97	15.05	15.84	15.98	16.77	17.99
	4H	19.40	20.14	20.34	21.08	22.31	15.61	16.35	16.55	17.29	18.52
	6H	19.60	20.28	20.55	21.23	22.46	15.97	16.66	16.93	17.60	18.84
	8H	19.66	20.31	20.62	21.27	22.51	16.10	16.75	17.06	17.72	18.95
	12H	19.68	20.30	20.64	21.25	22.51	16.14	16.76	17.10	17.71	18.97
4H	2H	18.09	18.83	19.04	19.77	21.00	14.65	15.39	15.60	16.33	17.56
	3H	19.39	20.00	20.34	20.97	22.21	16.08	16.69	17.03	17.66	18.90
	4H	19.90	20.45	20.86	21.42	22.69	16.70	17.26	17.66	18.22	19.49
	6H	20.21	20.69	21.19	21.68	22.95	17.15	17.63	18.12	18.62	19.88
	8H	20.32	20.77	21.30	21.75	23.03	17.32	17.76	18.30	18.75	20.02
	12H	20.37	20.77	21.37	21.77	23.05	17.37	17.77	18.36	18.77	20.05
8H	4H	19.92	20.36	20.90	21.35	22.63	17.01	17.46	17.99	18.44	19.72
	6H	20.33	20.70	21.33	21.73	23.00	17.57	17.94	18.57	18.97	20.24
	8H	20.51	20.84	21.52	21.85	23.14	17.82	18.14	18.83	19.16	20.45
	12H	20.61	20.90	21.62	21.90	23.24	17.92	18.21	18.93	19.21	20.55
12H	4H	19.88	20.28	20.87	21.28	22.56	17.02	17.43	18.02	18.43	19.71
	6H	20.32	20.65	21.34	21.66	22.96	17.63	17.96	18.65	18.98	20.27
	8H	20.52	20.81	21.53	21.81	23.15	17.91	18.20	18.93	19.21	20.55