

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: P1428232

Luminaire Tested: SQ2W-PR1-K-075U-050D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1428232  
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-075U-050D-L940-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 750 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

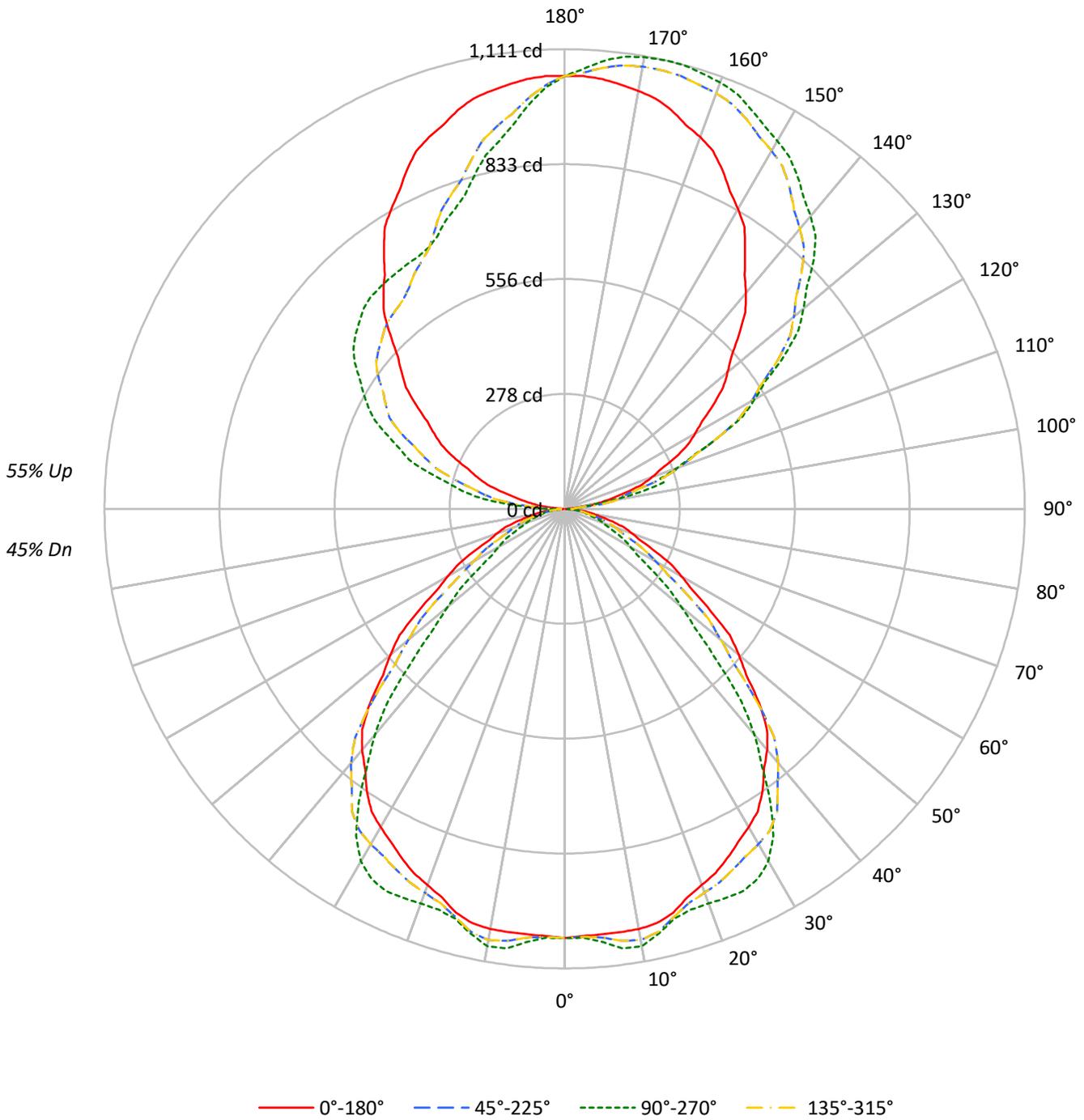
Lumens per Lamp: N/A  
Luminaire Lumens: 5555.2 lumens  
Efficiency: N/A  
Efficacy: 134.2 lumens/watt  
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36  
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 41.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	106	106	106	106	97	97	97	97	81	81	81	65	65	65	52	52	52	45
1	97	93	89	86	89	86	82	80	71	69	67	58	57	56	46	45	45	39
2	89	82	76	71	81	75	70	66	63	60	57	52	49	47	41	40	38	34
3	81	72	66	60	75	67	61	56	56	52	48	46	43	41	37	35	33	29
4	75	64	57	51	68	59	53	48	50	45	41	42	38	35	34	31	29	25
5	69	58	50	44	63	53	46	41	45	40	36	38	34	31	30	28	26	22
6	63	52	44	38	58	48	41	36	41	35	31	34	30	27	28	25	23	20
7	59	47	39	34	54	43	37	32	37	32	28	31	27	24	25	22	20	18
8	54	42	35	30	50	39	33	28	34	29	25	28	24	21	23	20	18	16
9	51	39	32	27	47	36	30	25	31	26	22	26	22	19	22	19	16	14
10	47	36	29	24	44	33	27	23	29	23	20	24	20	18	20	17	15	13

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

	0°	90°	180°	270°
0°	16754	16754	16754	16754
5°	16732	17040	16732	17040
10°	16908	17601	16908	17601
15°	16902	17133	16902	17133
20°	16630	17448	16630	17448
25°	16582	18166	16582	18166
30°	16565	18339	16565	18339
35°	16409	17075	16409	17075
40°	16029	15025	16029	15025
45°	15168	11882	15168	11882
50°	13790	9218	13790	9218
55°	12118	7175	12118	7175
60°	10485	5909	10485	5909
65°	9050	5173	9050	5173
70°	8138	4593	8138	4593
75°	7455	4223	7455	4223
80°	6490	4128	6490	4128
85°	4705	1964	4705	1964

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 20°  
 Vertical Angle: 45°  
 Luminance: 16285 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	100.2	1.8
10°-20°	290.1	5.2
20°-30°	448.4	8.1
30°-40°	539.3	9.7
40°-50°	484.3	8.7
50°-60°	324.5	5.8
60°-70°	188.8	3.4
70°-80°	97.0	1.7
80°-90°	28.2	0.5
90°-100°	83.3	1.5
100°-110°	242.8	4.4
110°-120°	396.2	7.1
120°-130°	502.8	9.1
130°-140°	538.0	9.7
140°-150°	502.4	9.0
150°-160°	413.4	7.4
160°-170°	277.2	5.0
170°-180°	98.4	1.8
0°-30°	838.7	15.1
0°-40°	1378.0	24.8
0°-60°	2186.8	39.4
0°-90°	2500.8	45.0
90°-120°	722.3	13.0
90°-150°	2265.4	40.8
90°-180°	3054.0	55.0
0°-180°	5555.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1038	1038	1038	1038	1038	
5°	1032	1051	1032	1051	1032	99
15°	1011	1025	1011	1025	1011	284
25°	931	1020	931	1020	931	429
35°	832	866	832	866	832	519
45°	664	520	664	520	664	508
55°	430	255	430	255	430	387
65°	237	135	237	135	237	240
75°	120	68	120	68	120	127
85°	25	11	25	11	25	32
90°	3	23	3	45	3	3
95°	33	24	33	143	33	40
105°	154	247	154	340	154	164
115°	296	410	296	505	296	292
125°	438	650	438	619	438	391
135°	595	851	595	686	595	460
145°	760	981	760	701	760	475
155°	902	1065	902	727	902	415
165°	998	1111	998	837	998	281
175°	1043	1087	1043	982	1043	99
180°	1046	1046	1046	1046	1046	



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**CANDELA DISTRIBUTION (FULL):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7
2.5°	1033.4	1039.1	1044.7	1042.2	1036.9	1034.5	1034.9	1035.4	1036.5	1037.7	1036.5
5°	1032.4	1040.4	1048.4	1046.5	1041.3	1039.2	1040.1	1042.0	1046.7	1051.4	1046.7
7.5°	1032.2	1043.6	1054.9	1055.8	1053.2	1053.2	1055.9	1059.5	1065.7	1071.9	1065.7
10°	1031.3	1045.0	1058.6	1060.6	1058.7	1058.0	1058.5	1060.5	1067.1	1073.6	1067.1
12.5°	1026.3	1042.1	1058.0	1056.4	1048.8	1044.8	1044.1	1044.5	1048.1	1051.6	1048.1
15°	1011.2	1030.0	1048.8	1041.2	1024.7	1017.2	1018.6	1020.3	1022.6	1025.0	1022.6
17.5°	984.8	1004.4	1024.1	1017.2	1001.5	996.2	1001.3	1006.3	1010.9	1015.5	1010.9
20°	967.9	987.1	1006.4	1001.7	989.0	986.0	992.5	999.5	1007.5	1015.5	1007.5
22.5°	952.6	971.9	991.2	988.2	977.7	977.1	986.3	996.0	1007.0	1018.0	1007.0
25°	930.8	947.8	964.7	965.0	959.9	965.0	980.6	995.2	1007.5	1019.7	1007.5
27.5°	908.0	918.0	927.9	934.5	940.0	953.2	974.1	992.0	1000.6	1009.1	1000.6
30°	888.5	895.1	901.7	913.9	928.0	944.2	962.6	977.1	980.4	983.7	980.4
32.5°	867.4	871.3	875.3	892.5	914.1	929.8	939.4	945.7	941.4	937.2	941.4
35°	832.5	835.8	839.1	861.0	889.2	899.6	892.1	884.2	875.3	866.3	875.3
37.5°	791.0	797.8	804.5	822.5	844.1	843.9	821.9	802.8	792.6	782.3	792.6
40°	760.5	771.8	783.1	795.1	807.3	797.0	764.1	736.4	724.7	712.9	724.7
42.5°	723.3	741.4	759.4	762.1	759.6	737.5	695.5	660.5	646.1	631.7	646.1
45°	664.3	688.7	713.2	699.2	672.4	636.2	590.6	552.4	536.4	520.4	536.4
47.5°	594.7	619.8	644.9	618.5	575.0	532.9	492.1	457.9	442.9	428.0	442.9
50°	549.0	569.2	589.4	559.6	513.0	470.7	432.6	400.0	383.5	367.0	383.5
52.5°	502.4	517.0	531.6	502.0	457.7	416.6	378.5	346.2	331.2	316.3	331.2
55°	430.5	438.0	445.6	418.2	379.2	341.5	305.3	275.6	265.3	254.9	265.3
57.5°	364.5	369.3	374.1	348.1	311.9	278.5	247.7	222.8	215.2	207.5	215.2
60°	324.7	328.0	331.3	305.0	268.8	238.7	214.7	195.2	189.1	183.0	189.1
62.5°	288.3	290.9	293.4	268.0	233.3	206.5	187.4	171.9	167.3	162.7	167.3
65°	236.9	239.3	241.6	220.0	190.4	168.3	153.7	142.0	138.7	135.4	138.7
67.5°	196.1	197.3	198.6	180.7	156.6	138.8	127.3	117.9	114.8	111.7	114.8
70°	172.4	172.9	173.4	157.6	136.5	120.7	110.4	102.0	99.7	97.3	99.7
72.5°	151.3	150.6	149.9	135.9	117.4	103.9	95.4	88.7	87.1	85.5	87.1
75°	119.5	118.1	116.7	105.1	90.0	79.7	74.0	69.6	68.6	67.7	68.6
77.5°	89.3	87.8	86.3	76.6	64.2	57.0	55.1	53.7	53.7	53.7	53.7
80°	69.8	67.9	66.1	58.5	49.1	44.4	44.4	44.4	44.4	44.4	44.4
82.5°	52.0	49.4	46.8	42.2	36.9	34.3	34.3	34.2	33.8	33.4	33.8
85°	25.4	23.0	20.7	20.1	20.1	18.7	15.9	13.4	12.0	10.6	12.0
87.5°	7.4	8.2	9.3	8.7	7.5	6.8	6.8	7.0	7.2	7.2	7.2
90°	3.2	7.4	12.7	16.9	20.1	21.1	21.1	22.2	23.2	23.2	23.2
92.5°	11.6	18.4	18.6	18.6	22.6	24.5	26.2	26.4	27.5	27.5	27.5
95°	32.8	35.9	53.9	52.8	35.9	28.5	24.3	24.3	24.3	24.3	24.3
97.5°	62.6	67.2	70.2	94.0	99.3	95.9	78.2	65.7	58.8	55.6	58.8
100°	88.8	90.9	97.2	98.3	124.7	150.0	137.4	121.5	116.2	113.1	116.2
102.5°	115.0	116.2	126.0	130.4	136.5	150.9	194.9	190.0	186.4	185.8	186.4
105°	154.3	155.3	173.3	181.7	186.0	186.0	184.9	206.1	239.9	247.3	239.9
107.5°	196.3	201.2	222.3	244.9	249.8	251.1	245.6	242.4	241.1	242.0	241.1
110°	225.1	232.5	257.8	286.4	293.8	295.9	293.8	290.6	288.5	288.5	288.5



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**CANDELA DISTRIBUTION (continued):**

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	253.0	263.7	292.5	325.2	337.7	344.1	339.4	337.1	335.0	336.7	335.0
115°	295.9	311.7	349.8	383.6	408.9	412.1	411.0	411.0	410.0	410.0	410.0
117.5°	335.6	361.0	403.7	443.0	472.3	480.8	485.0	483.7	482.5	484.6	482.5
120°	363.5	393.1	441.7	486.1	514.6	527.3	531.5	529.4	531.5	529.4	531.5
122.5°	393.1	429.4	477.2	523.3	556.9	571.2	576.3	576.7	577.2	575.9	577.2
125°	437.5	481.8	537.8	585.4	620.3	637.2	641.4	642.5	644.6	649.9	644.6
127.5°	482.3	532.6	594.1	639.9	675.6	696.1	702.7	705.0	709.5	711.8	709.5
130°	513.5	570.6	632.9	676.3	711.1	733.3	745.0	748.1	753.4	752.4	753.4
132.5°	546.5	606.1	669.3	714.3	746.6	770.5	780.5	789.5	791.5	792.9	791.5
135°	594.9	659.4	722.8	767.1	797.8	821.0	833.7	842.2	847.5	850.6	847.5
137.5°	645.8	713.9	774.8	814.3	845.1	865.2	879.6	888.5	893.9	896.5	893.9
140°	680.5	746.0	805.2	846.4	873.9	893.9	906.6	917.2	923.5	923.5	923.5
142.5°	713.5	778.1	835.6	876.8	900.9	919.3	932.8	940.9	948.0	948.0	948.0
145°	759.7	824.2	877.0	918.3	938.3	955.2	970.0	976.4	980.6	980.6	980.6
147.5°	808.1	865.2	913.4	952.9	969.8	989.7	1001.3	1006.4	1011.7	1009.3	1011.7
150°	836.9	889.7	936.2	973.2	990.1	1009.1	1020.7	1025.0	1030.3	1027.1	1030.3
152.5°	864.8	915.1	957.3	991.8	1006.2	1025.2	1038.5	1042.7	1046.3	1044.0	1046.3
155°	902.4	946.8	985.9	1017.6	1030.3	1048.2	1060.9	1066.2	1070.4	1065.1	1070.4
157.5°	936.0	974.3	1008.3	1037.4	1051.0	1066.4	1078.2	1084.8	1089.0	1086.7	1089.0
160°	956.3	991.2	1021.8	1049.3	1062.0	1075.7	1088.4	1095.8	1100.0	1096.8	1100.0
162.5°	973.2	1004.7	1033.6	1058.6	1069.6	1081.6	1096.8	1103.4	1107.6	1103.6	1107.6
165°	997.5	1022.9	1048.2	1069.4	1078.9	1088.4	1104.2	1111.6	1114.8	1110.6	1114.8
167.5°	1015.9	1035.3	1055.8	1074.0	1081.0	1090.3	1106.1	1112.3	1116.3	1111.0	1116.3
170°	1026.0	1042.9	1060.9	1075.7	1081.0	1089.4	1105.3	1110.6	1113.7	1108.5	1113.7
172.5°	1034.5	1047.2	1061.7	1074.9	1077.6	1084.4	1099.4	1104.6	1107.0	1102.5	1107.0
175°	1042.9	1050.3	1060.9	1069.4	1068.3	1072.5	1085.2	1089.4	1093.7	1087.3	1093.7
177.5°	1047.0	1050.3	1053.7	1058.8	1055.4	1055.4	1064.7	1067.2	1068.1	1064.7	1068.1
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



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**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7
2.5°	1035.4	1034.9	1034.5	1036.9	1042.2	1044.7	1039.1	1033.4	1039.1	1044.7	1042.2
5°	1042.0	1040.1	1039.2	1041.3	1046.5	1048.4	1040.4	1032.4	1040.4	1048.4	1046.5
7.5°	1059.5	1055.9	1053.2	1053.2	1055.8	1054.9	1043.6	1032.2	1043.6	1054.9	1055.8
10°	1060.5	1058.5	1058.0	1058.7	1060.6	1058.6	1045.0	1031.3	1045.0	1058.6	1060.6
12.5°	1044.5	1044.1	1044.8	1048.8	1056.4	1058.0	1042.1	1026.3	1042.1	1058.0	1056.4
15°	1020.3	1018.6	1017.2	1024.7	1041.2	1048.8	1030.0	1011.2	1030.0	1048.8	1041.2
17.5°	1006.3	1001.3	996.2	1001.5	1017.2	1024.1	1004.4	984.8	1004.4	1024.1	1017.2
20°	999.5	992.5	986.0	989.0	1001.7	1006.4	987.1	967.9	987.1	1006.4	1001.7
22.5°	996.0	986.3	977.1	977.7	988.2	991.2	971.9	952.6	971.9	991.2	988.2
25°	995.2	980.6	965.0	959.9	965.0	964.7	947.8	930.8	947.8	964.7	965.0
27.5°	992.0	974.1	953.2	940.0	934.5	927.9	918.0	908.0	918.0	927.9	934.5
30°	977.1	962.6	944.2	928.0	913.9	901.7	895.1	888.5	895.1	901.7	913.9
32.5°	945.7	939.4	929.8	914.1	892.5	875.3	871.3	867.4	871.3	875.3	892.5
35°	884.2	892.1	899.6	889.2	861.0	839.1	835.8	832.5	835.8	839.1	861.0
37.5°	802.8	821.9	843.9	844.1	822.5	804.5	797.8	791.0	797.8	804.5	822.5
40°	736.4	764.1	797.0	807.3	795.1	783.1	771.8	760.5	771.8	783.1	795.1
42.5°	660.5	695.5	737.5	759.6	762.1	759.4	741.4	723.3	741.4	759.4	762.1
45°	552.4	590.6	636.2	672.4	699.2	713.2	688.7	664.3	688.7	713.2	699.2
47.5°	457.9	492.1	532.9	575.0	618.5	644.9	619.8	594.7	619.8	644.9	618.5
50°	400.0	432.6	470.7	513.0	559.6	589.4	569.2	549.0	569.2	589.4	559.6
52.5°	346.2	378.5	416.6	457.7	502.0	531.6	517.0	502.4	517.0	531.6	502.0
55°	275.6	305.3	341.5	379.2	418.2	445.6	438.0	430.5	438.0	445.6	418.2
57.5°	222.8	247.7	278.5	311.9	348.1	374.1	369.3	364.5	369.3	374.1	348.1
60°	195.2	214.7	238.7	268.8	305.0	331.3	328.0	324.7	328.0	331.3	305.0
62.5°	171.9	187.4	206.5	233.3	268.0	293.4	290.9	288.3	290.9	293.4	268.0
65°	142.0	153.7	168.3	190.4	220.0	241.6	239.3	236.9	239.3	241.6	220.0
67.5°	117.9	127.3	138.8	156.6	180.7	198.6	197.3	196.1	197.3	198.6	180.7
70°	102.0	110.4	120.7	136.5	157.6	173.4	172.9	172.4	172.9	173.4	157.6
72.5°	88.7	95.4	103.9	117.4	135.9	149.9	150.6	151.3	150.6	149.9	135.9
75°	69.6	74.0	79.7	90.0	105.1	116.7	118.1	119.5	118.1	116.7	105.1
77.5°	53.7	55.1	57.0	64.2	76.6	86.3	87.8	89.3	87.8	86.3	76.6
80°	44.4	44.4	44.4	49.1	58.5	66.1	67.9	69.8	67.9	66.1	58.5
82.5°	34.2	34.3	34.3	36.9	42.2	46.8	49.4	52.0	49.4	46.8	42.2
85°	13.4	15.9	18.7	20.1	20.1	20.7	23.0	25.4	23.0	20.7	20.1
87.5°	7.0	6.8	6.8	7.5	8.7	9.3	8.2	7.4	8.2	9.1	9.2
90°	22.2	21.1	21.1	20.1	16.9	12.7	7.4	3.2	7.4	11.6	19.0
92.5°	26.4	26.2	24.5	22.6	18.6	18.6	18.4	11.6	20.1	28.5	41.0
95°	24.3	24.3	28.5	35.9	52.8	53.9	35.9	32.8	46.5	65.5	82.4
97.5°	65.7	78.2	95.9	99.3	94.0	70.2	67.2	62.6	85.2	104.0	131.2
100°	121.5	137.4	150.0	124.7	98.3	97.2	90.9	88.8	113.1	131.0	157.4
102.5°	190.0	194.9	150.9	136.5	130.4	126.0	116.2	115.0	139.3	164.0	186.2
105°	206.1	184.9	186.0	186.0	181.7	173.3	155.3	154.3	181.7	210.3	237.8
107.5°	242.4	245.6	251.1	249.8	244.9	222.3	201.2	196.3	221.1	255.3	285.5
110°	290.6	293.8	295.9	293.8	286.4	257.8	232.5	225.1	247.3	283.2	315.9



TEST NUMBER: P1428232

CATALOG NUMBER: SQ2W-PR1-K-075U-050D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	337.1	339.4	344.1	337.7	325.2	292.5	263.7	253.0	275.2	311.9	345.5
115°	411.0	411.0	412.1	408.9	383.6	349.8	311.7	295.9	314.9	348.7	385.7
117.5°	483.7	485.0	480.8	472.3	443.0	403.7	361.0	335.6	350.6	386.3	424.4
120°	529.4	531.5	527.3	514.6	486.1	441.7	393.1	363.5	375.1	410.0	448.0
122.5°	576.7	576.3	571.2	556.9	523.3	477.2	429.4	393.1	397.9	430.3	467.5
125°	642.5	641.4	637.2	620.3	585.4	537.8	481.8	437.5	431.1	458.6	496.6
127.5°	705.0	702.7	696.1	675.6	639.9	594.1	532.6	482.3	468.1	485.4	520.3
130°	748.1	745.0	733.3	711.1	676.3	632.9	570.6	513.5	493.5	504.0	534.7
132.5°	789.5	780.5	770.5	746.6	714.3	669.3	606.1	546.5	518.8	523.5	547.4
135°	842.2	833.7	821.0	797.8	767.1	722.8	659.4	594.9	556.9	552.6	566.4
137.5°	888.5	879.6	865.2	845.1	814.3	774.8	713.9	645.8	597.9	583.7	589.0
140°	917.2	906.6	893.9	873.9	846.4	805.2	746.0	680.5	626.6	606.5	603.4
142.5°	940.9	932.8	919.3	900.9	876.8	835.6	778.1	713.5	656.2	630.2	622.8
145°	976.4	970.0	955.2	938.3	918.3	877.0	824.2	759.7	702.7	668.9	653.0
147.5°	1006.4	1001.3	989.7	969.8	952.9	913.4	865.2	808.1	749.6	707.8	687.3
150°	1025.0	1020.7	1009.1	990.1	973.2	936.2	889.7	836.9	780.9	736.5	710.1
152.5°	1042.7	1038.5	1025.2	1006.2	991.8	957.3	915.1	864.8	807.9	763.6	736.3
155°	1066.2	1060.9	1048.2	1030.3	1017.6	985.9	946.8	902.4	853.8	807.3	776.7
157.5°	1084.8	1078.2	1066.4	1051.0	1037.4	1008.3	974.3	936.0	893.5	849.1	817.9
160°	1095.8	1088.4	1075.7	1062.0	1049.3	1021.8	991.2	956.3	917.2	877.0	843.2
162.5°	1103.4	1096.8	1081.6	1069.6	1058.6	1033.6	1004.7	973.2	938.3	903.2	872.0
165°	1111.6	1104.2	1088.4	1078.9	1069.4	1048.2	1022.9	997.5	967.9	939.4	914.0
167.5°	1112.3	1106.1	1090.3	1081.0	1074.0	1055.8	1035.3	1015.9	992.9	970.5	949.3
170°	1110.6	1105.3	1089.4	1081.0	1075.7	1060.9	1042.9	1026.0	1008.1	989.0	972.1
172.5°	1104.6	1099.4	1084.4	1077.6	1074.9	1061.7	1047.2	1034.5	1019.1	1005.1	991.6
175°	1089.4	1085.2	1072.5	1068.3	1069.4	1060.9	1050.3	1042.9	1033.4	1025.0	1017.6
177.5°	1067.2	1064.7	1055.4	1055.4	1058.8	1053.7	1050.3	1047.0	1042.7	1040.2	1037.7
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1428232

CATALOG NUMBER: SQ2W-PR1-K-075U-050D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7	1037.7
2.5°	1036.9	1034.5	1034.9	1035.4	1036.5	1037.7	1036.5	1035.4	1034.9	1034.5	1036.9
5°	1041.3	1039.2	1040.1	1042.0	1046.7	1051.4	1046.7	1042.0	1040.1	1039.2	1041.3
7.5°	1053.2	1053.2	1055.9	1059.5	1065.7	1071.9	1065.7	1059.5	1055.9	1053.2	1053.2
10°	1058.7	1058.0	1058.5	1060.5	1067.1	1073.6	1067.1	1060.5	1058.5	1058.0	1058.7
12.5°	1048.8	1044.8	1044.1	1044.5	1048.1	1051.6	1048.1	1044.5	1044.1	1044.8	1048.8
15°	1024.7	1017.2	1018.6	1020.3	1022.6	1025.0	1022.6	1020.3	1018.6	1017.2	1024.7
17.5°	1001.5	996.2	1001.3	1006.3	1010.9	1015.5	1010.9	1006.3	1001.3	996.2	1001.5
20°	989.0	986.0	992.5	999.5	1007.5	1015.5	1007.5	999.5	992.5	986.0	989.0
22.5°	977.7	977.1	986.3	996.0	1007.0	1018.0	1007.0	996.0	986.3	977.1	977.7
25°	959.9	965.0	980.6	995.2	1007.5	1019.7	1007.5	995.2	980.6	965.0	959.9
27.5°	940.0	953.2	974.1	992.0	1000.6	1009.1	1000.6	992.0	974.1	953.2	940.0
30°	928.0	944.2	962.6	977.1	980.4	983.7	980.4	977.1	962.6	944.2	928.0
32.5°	914.1	929.8	939.4	945.7	941.4	937.2	941.4	945.7	939.4	929.8	914.1
35°	889.2	899.6	892.1	884.2	875.3	866.3	875.3	884.2	892.1	899.6	889.2
37.5°	844.1	843.9	821.9	802.8	792.6	782.3	792.6	802.8	821.9	843.9	844.1
40°	807.3	797.0	764.1	736.4	724.7	712.9	724.7	736.4	764.1	797.0	807.3
42.5°	759.6	737.5	695.5	660.5	646.1	631.7	646.1	660.5	695.5	737.5	759.6
45°	672.4	636.2	590.6	552.4	536.4	520.4	536.4	552.4	590.6	636.2	672.4
47.5°	575.0	532.9	492.1	457.9	442.9	428.0	442.9	457.9	492.1	532.9	575.0
50°	513.0	470.7	432.6	400.0	383.5	367.0	383.5	400.0	432.6	470.7	513.0
52.5°	457.7	416.6	378.5	346.2	331.2	316.3	331.2	346.2	378.5	416.6	457.7
55°	379.2	341.5	305.3	275.6	265.3	254.9	265.3	275.6	305.3	341.5	379.2
57.5°	311.9	278.5	247.7	222.8	215.2	207.5	215.2	222.8	247.7	278.5	311.9
60°	268.8	238.7	214.7	195.2	189.1	183.0	189.1	195.2	214.7	238.7	268.8
62.5°	233.3	206.5	187.4	171.9	167.3	162.7	167.3	171.9	187.4	206.5	233.3
65°	190.4	168.3	153.7	142.0	138.7	135.4	138.7	142.0	153.7	168.3	190.4
67.5°	156.6	138.8	127.3	117.9	114.8	111.7	114.8	117.9	127.3	138.8	156.6
70°	136.5	120.7	110.4	102.0	99.7	97.3	99.7	102.0	110.4	120.7	136.5
72.5°	117.4	103.9	95.4	88.7	87.1	85.5	87.1	88.7	95.4	103.9	117.4
75°	90.0	79.7	74.0	69.6	68.6	67.7	68.6	69.6	74.0	79.7	90.0
77.5°	64.2	57.0	55.1	53.7	53.7	53.7	53.7	53.7	55.1	57.0	64.2
80°	49.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	49.1
82.5°	36.9	34.3	34.3	34.2	33.8	33.4	33.8	34.2	34.3	34.3	36.9
85°	20.1	18.7	15.9	13.4	12.0	10.6	12.0	13.4	15.9	18.7	20.1
87.5°	8.3	8.9	10.4	11.2	12.0	11.6	12.0	11.2	10.4	8.9	8.3
90°	24.3	31.7	39.1	43.3	47.6	45.4	47.6	43.3	39.1	31.7	24.3
92.5°	48.8	61.3	70.4	78.0	81.4	80.9	81.4	78.0	70.4	61.3	48.8
95°	98.3	113.1	127.9	138.4	144.8	142.7	144.8	138.4	127.9	113.1	98.3
97.5°	151.5	171.4	187.9	197.8	204.1	208.4	204.1	187.9	171.4	151.5	151.5
100°	187.0	206.1	225.1	236.7	247.3	251.5	247.3	236.7	225.1	206.1	187.0
102.5°	215.8	240.7	261.4	273.9	282.8	287.0	282.8	273.9	261.4	240.7	215.8
105°	263.1	289.5	311.7	327.6	337.1	340.2	337.1	327.6	311.7	289.5	263.1
107.5°	310.5	337.7	358.2	375.8	387.4	394.1	387.4	375.8	358.2	337.7	310.5
110°	347.6	369.8	392.0	407.9	419.5	423.7	419.5	407.9	392.0	369.8	347.6



TEST NUMBER: P1428232

CATALOG NUMBER: SQ2W-PR1-K-075U-050D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	378.9	403.7	425.8	441.7	455.0	460.9	455.0	441.7	425.8	403.7	378.9
115°	422.7	455.4	475.5	490.3	499.8	505.1	499.8	490.3	475.5	455.4	422.7
117.5°	459.0	493.3	515.2	526.6	531.1	534.9	531.1	526.6	515.2	493.3	459.0
120°	481.8	513.5	538.9	553.7	559.0	561.1	559.0	553.7	538.9	513.5	481.8
122.5°	503.0	533.0	557.5	575.7	584.3	586.5	584.3	575.7	557.5	533.0	503.0
125°	532.6	561.1	586.5	604.4	613.9	619.2	613.9	604.4	586.5	561.1	532.6
127.5°	558.3	589.2	612.4	628.7	638.0	642.2	638.0	628.7	612.4	589.2	558.3
130°	572.7	604.4	627.7	645.6	654.1	658.3	654.1	645.6	627.7	604.4	572.7
132.5°	583.7	617.1	641.2	657.5	666.8	671.0	666.8	657.5	641.2	617.1	583.7
135°	597.0	631.9	657.3	673.1	681.6	685.8	681.6	673.1	657.3	631.9	597.0
137.5°	608.6	640.3	666.8	683.5	691.1	693.8	691.1	683.5	666.8	640.3	608.6
140°	617.1	644.6	671.0	686.8	695.3	696.3	695.3	686.8	671.0	644.6	617.1
142.5°	628.1	649.6	672.7	688.5	697.0	698.9	697.0	688.5	672.7	649.6	628.1
145°	647.7	660.4	676.3	691.1	698.5	700.6	698.5	691.1	676.3	660.4	647.7
147.5°	672.5	676.5	684.7	694.4	701.6	703.1	701.6	694.4	684.7	676.5	672.5
150°	691.1	690.0	693.2	699.5	705.9	704.8	705.9	699.5	693.2	690.0	691.1
152.5°	712.2	706.1	705.9	708.8	711.8	711.6	711.8	708.8	705.9	706.1	712.2
155°	748.1	736.5	730.2	728.0	728.0	727.0	728.0	728.0	730.2	736.5	748.1
157.5°	787.6	771.4	761.9	756.8	755.3	753.0	755.3	756.8	761.9	771.4	787.6
160°	814.7	796.7	787.2	778.8	775.6	772.4	775.6	778.8	787.2	796.7	814.7
162.5°	840.1	822.9	812.6	805.0	801.8	796.9	801.8	805.0	812.6	822.9	840.1
165°	881.3	863.3	851.7	845.3	841.1	836.9	841.1	845.3	851.7	863.3	881.3
167.5°	922.5	902.8	895.2	888.0	884.0	876.4	884.0	888.0	895.2	902.8	922.5
170°	947.8	929.9	925.6	919.3	911.9	903.5	911.9	919.3	925.6	929.9	947.8
172.5°	969.8	957.8	953.5	947.2	944.9	938.1	944.9	947.2	953.5	957.8	969.8
175°	1001.7	992.2	992.2	991.2	988.0	981.7	988.0	991.2	992.2	992.2	1001.7
177.5°	1028.4	1023.3	1026.7	1026.7	1025.8	1019.9	1025.8	1026.7	1026.7	1023.3	1028.4
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1428232

CATALOG NUMBER: SQ2W-PR1-K-075U-050D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
0°	1037.7	1037.7	1037.7	1037.7
2.5°	1042.2	1044.7	1039.1	1033.4
5°	1046.5	1048.4	1040.4	1032.4
7.5°	1055.8	1054.9	1043.6	1032.2
10°	1060.6	1058.6	1045.0	1031.3
12.5°	1056.4	1058.0	1042.1	1026.3
15°	1041.2	1048.8	1030.0	1011.2
17.5°	1017.2	1024.1	1004.4	984.8
20°	1001.7	1006.4	987.1	967.9
22.5°	988.2	991.2	971.9	952.6
25°	965.0	964.7	947.8	930.8
27.5°	934.5	927.9	918.0	908.0
30°	913.9	901.7	895.1	888.5
32.5°	892.5	875.3	871.3	867.4
35°	861.0	839.1	835.8	832.5
37.5°	822.5	804.5	797.8	791.0
40°	795.1	783.1	771.8	760.5
42.5°	762.1	759.4	741.4	723.3
45°	699.2	713.2	688.7	664.3
47.5°	618.5	644.9	619.8	594.7
50°	559.6	589.4	569.2	549.0
52.5°	502.0	531.6	517.0	502.4
55°	418.2	445.6	438.0	430.5
57.5°	348.1	374.1	369.3	364.5
60°	305.0	331.3	328.0	324.7
62.5°	268.0	293.4	290.9	288.3
65°	220.0	241.6	239.3	236.9
67.5°	180.7	198.6	197.3	196.1
70°	157.6	173.4	172.9	172.4
72.5°	135.9	149.9	150.6	151.3
75°	105.1	116.7	118.1	119.5
77.5°	76.6	86.3	87.8	89.3
80°	58.5	66.1	67.9	69.8
82.5°	42.2	46.8	49.4	52.0
85°	20.1	20.7	23.0	25.4
87.5°	9.2	9.1	8.2	7.4
90°	19.0	11.6	7.4	3.2
92.5°	41.0	28.5	20.1	11.6
95°	82.4	65.5	46.5	32.8
97.5°	131.2	104.0	85.2	62.6
100°	157.4	131.0	113.1	88.8
102.5°	186.2	164.0	139.3	115.0
105°	237.8	210.3	181.7	154.3
107.5°	285.5	255.3	221.1	196.3
110°	315.9	283.2	247.3	225.1

TEST NUMBER: P1428232

CATALOG NUMBER: SQ2W-PR1-K-075U-050D-L940-UNV-STD-W-WM-4

**CANDELA DISTRIBUTION (continued):**

	330°	340°	350°	360°
112.5°	345.5	311.9	275.2	253.0
115°	385.7	348.7	314.9	295.9
117.5°	424.4	386.3	350.6	335.6
120°	448.0	410.0	375.1	363.5
122.5°	467.5	430.3	397.9	393.1
125°	496.6	458.6	431.1	437.5
127.5°	520.3	485.4	468.1	482.3
130°	534.7	504.0	493.5	513.5
132.5°	547.4	523.5	518.8	546.5
135°	566.4	552.6	556.9	594.9
137.5°	589.0	583.7	597.9	645.8
140°	603.4	606.5	626.6	680.5
142.5°	622.8	630.2	656.2	713.5
145°	653.0	668.9	702.7	759.7
147.5°	687.3	707.8	749.6	808.1
150°	710.1	736.5	780.9	836.9
152.5°	736.3	763.6	807.9	864.8
155°	776.7	807.3	853.8	902.4
157.5°	817.9	849.1	893.5	936.0
160°	843.2	877.0	917.2	956.3
162.5°	872.0	903.2	938.3	973.2
165°	914.0	939.4	967.9	997.5
167.5°	949.3	970.5	992.9	1015.9
170°	972.1	989.0	1008.1	1026.0
172.5°	991.6	1005.1	1019.1	1034.5
175°	1017.6	1025.0	1033.4	1042.9
177.5°	1037.7	1040.2	1042.7	1047.0
180°	1046.1	1046.1	1046.1	1046.1

TEST NUMBER: P1428232

CATALOG NUMBER: SQ2W-PR1-K-075U-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	15.98	16.76	16.98	17.77	19.12	12.35	13.13	13.35	14.14	15.49
	3H	17.18	17.88	18.20	18.90	20.26	13.50	14.20	14.52	15.22	16.59
	4H	17.66	18.32	18.69	19.34	20.72	13.96	14.62	14.99	15.65	17.02
	6H	17.95	18.56	18.99	19.59	20.97	14.30	14.91	15.34	15.94	17.32
	8H	18.05	18.63	19.10	19.68	21.06	14.44	15.01	15.48	16.06	17.44
	12H	18.09	18.64	19.14	19.68	21.08	14.46	15.01	15.51	16.05	17.45
4H	2H	16.07	16.73	17.11	17.76	19.13	13.05	13.71	14.09	14.73	16.11
	3H	17.52	18.07	18.57	19.13	20.51	14.40	14.95	15.44	16.00	17.38
	4H	18.15	18.65	19.20	19.70	21.10	14.94	15.44	15.99	16.48	17.89
	6H	18.58	19.01	19.64	20.07	21.48	15.37	15.80	16.43	16.86	18.27
	8H	18.73	19.14	19.80	20.20	21.61	15.55	15.95	16.61	17.01	18.43
	12H	18.80	19.16	19.88	20.23	21.66	15.59	15.96	16.67	17.03	18.45
8H	4H	18.17	18.57	19.23	19.63	21.05	15.26	15.66	16.32	16.72	18.14
	6H	18.70	19.03	19.78	20.13	21.55	15.80	16.13	16.88	17.23	18.65
	8H	18.93	19.23	20.02	20.31	21.74	16.06	16.35	17.15	17.44	18.87
	12H	19.05	19.31	20.14	20.39	21.86	16.15	16.41	17.24	17.49	18.96
12H	4H	18.13	18.49	19.20	19.56	20.98	15.28	15.64	16.36	16.71	18.14
	6H	18.69	18.98	19.78	20.07	21.50	15.87	16.16	16.96	17.25	18.68
	8H	18.94	19.19	20.03	20.27	21.75	16.16	16.41	17.25	17.49	18.97