

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: P1428020

Luminaire Tested: SQ2W-PP3-K-025U-075D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428020
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-075D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE PRISM LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 750 LUMENS PER FOOT
UPLIGHT 250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

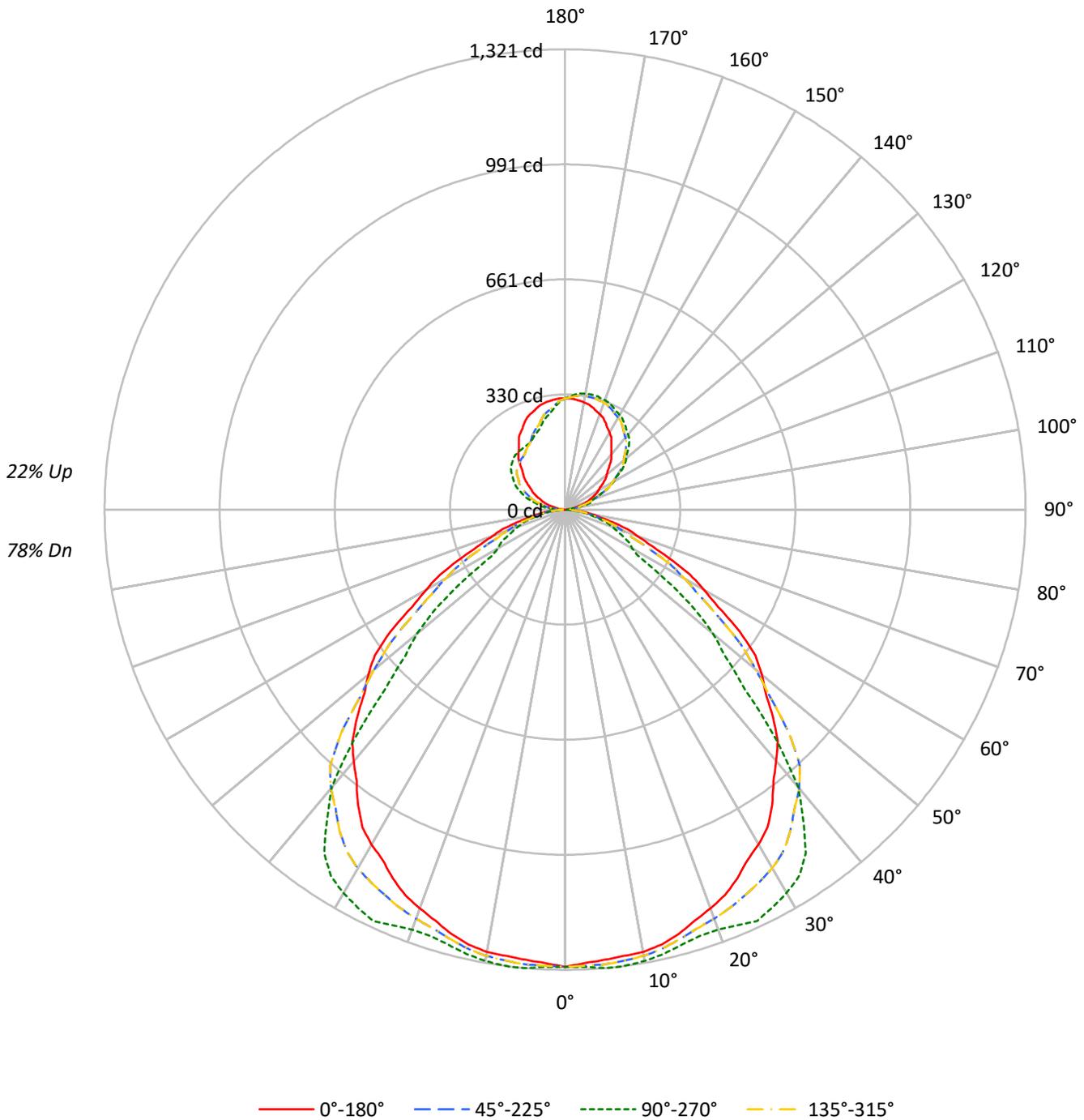
Lumens per Lamp: N/A
Luminaire Lumens: 4238.0 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 34.2
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	50	30	10	0	
RCR																						
0	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82	78				
1	105	101	97	94	100	96	93	90	88	86	83	81	79	77	74	72	71	67				
2	96	89	83	78	92	85	80	75	78	74	70	72	68	65	66	63	61	58				
3	88	79	72	66	84	76	69	64	70	64	60	64	60	56	59	56	53	50				
4	81	70	62	56	77	68	60	55	62	56	52	58	53	49	53	49	46	43				
5	75	63	55	49	71	61	53	48	56	50	45	52	47	43	48	44	40	38				
6	69	57	49	43	66	55	47	42	51	44	40	47	42	38	44	39	36	33				
7	64	52	44	38	61	50	42	37	46	40	35	43	38	34	40	35	32	30				
8	60	47	39	34	57	45	38	33	42	36	32	40	34	30	37	32	29	27				
9	56	43	36	30	53	42	35	30	39	33	28	36	31	27	34	29	26	24				
10	52	40	32	27	50	38	32	27	36	30	26	34	28	25	32	27	24	22				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	21191	21191	21191	21191
5°	21026	21408	21026	21408
10°	21133	21564	21133	21564
15°	21081	21614	21081	21614
20°	20931	22051	20931	22051
25°	20811	23209	20811	23209
30°	20694	23694	20694	23694
35°	20402	23737	20402	23737
40°	19856	21932	19856	21932
45°	19262	16696	19262	16696
50°	18504	13905	18504	13905
55°	17224	9998	17224	9998
60°	14831	7169	14831	7169
65°	12508	7049	12508	7049
70°	10414	6746	10414	6746
75°	8827	6319	8827	6319
80°	7485	5672	7485	5672
85°	5909	3075	5909	3075

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 21071 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.0	2.9
10°-20°	361.7	8.5
20°-30°	566.7	13.4
30°-40°	699.0	16.5
40°-50°	658.1	15.5
50°-60°	466.0	11.0
60°-70°	265.5	6.3
70°-80°	131.4	3.1
80°-90°	33.4	0.8
90°-100°	25.4	0.6
100°-110°	74.0	1.7
110°-120°	120.8	2.8
120°-130°	153.3	3.6
130°-140°	164.0	3.9
140°-150°	153.1	3.6
150°-160°	126.0	3.0
160°-170°	84.5	2.0
170°-180°	30.0	0.7
0°-30°	1053.4	24.9
0°-40°	1752.4	41.4
0°-60°	2876.5	67.9
0°-90°	3307.0	78.0
90°-120°	220.2	5.2
90°-150°	690.5	16.3
90°-180°	931.0	22.0
0°-180°	4238.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1312	1312	1312	1312	1312	
5°	1297	1321	1297	1321	1297	124
15°	1261	1293	1261	1293	1261	355
25°	1168	1303	1168	1303	1168	538
35°	1035	1204	1035	1204	1035	646
45°	844	731	844	731	844	649
55°	612	355	612	355	612	540
65°	327	184	327	184	327	329
75°	142	101	142	101	142	153
85°	32	17	32	17	32	37
90°	1	7	1	14	1	2
95°	10	7	10	44	10	12
105°	47	75	47	104	47	50
115°	90	125	90	154	90	89
125°	133	198	133	189	133	119
135°	181	259	181	209	181	140
145°	232	299	232	214	232	145
155°	275	325	275	222	275	126
165°	304	338	304	255	304	86
175°	318	331	318	299	318	30
180°	319	319	319	319	319	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5
2.5°	1302.6	1310.9	1319.3	1317.4	1311.9	1309.7	1310.7	1311.7	1312.7	1313.7	1312.7
5°	1297.3	1307.8	1318.3	1316.7	1311.2	1309.0	1310.2	1312.2	1316.6	1320.9	1316.6
7.5°	1292.3	1303.0	1313.7	1312.4	1306.9	1305.3	1307.4	1310.3	1315.6	1320.9	1315.6
10°	1289.0	1298.2	1307.5	1306.1	1301.1	1300.2	1303.3	1306.7	1311.0	1315.3	1311.0
12.5°	1279.0	1287.7	1296.5	1295.3	1290.9	1290.7	1294.8	1298.8	1302.6	1306.4	1302.6
15°	1261.2	1269.2	1277.2	1277.4	1274.9	1276.5	1282.0	1287.0	1290.0	1293.1	1290.0
17.5°	1237.1	1246.8	1256.6	1258.8	1258.6	1262.4	1270.3	1277.0	1280.2	1283.4	1280.2
20°	1218.2	1229.9	1241.6	1245.5	1246.7	1252.3	1262.1	1271.1	1277.2	1283.4	1277.2
22.5°	1198.2	1211.9	1225.6	1230.7	1232.9	1241.4	1256.2	1270.0	1280.6	1291.2	1280.6
25°	1168.2	1181.8	1195.4	1205.2	1213.9	1229.0	1250.6	1270.8	1286.8	1302.8	1286.8
27.5°	1133.3	1146.7	1160.2	1177.1	1195.3	1216.5	1240.8	1262.2	1274.9	1287.6	1274.9
30°	1110.0	1122.9	1135.9	1155.3	1176.9	1200.3	1225.6	1247.5	1259.2	1270.9	1259.2
32.5°	1081.1	1094.6	1108.0	1128.7	1151.7	1176.9	1204.1	1227.3	1238.0	1248.7	1238.0
35°	1035.1	1048.0	1061.0	1085.0	1112.8	1140.8	1169.2	1192.0	1198.2	1204.3	1198.2
37.5°	982.1	996.7	1011.4	1038.4	1069.5	1093.0	1108.9	1120.9	1121.3	1121.6	1121.3
40°	942.1	961.2	980.3	1007.3	1036.9	1053.2	1056.3	1056.6	1048.6	1040.6	1048.6
42.5°	903.2	927.8	952.3	974.0	994.7	999.0	986.8	968.7	933.1	897.4	933.1
45°	843.6	872.6	901.5	914.8	922.8	895.7	833.4	780.5	755.9	731.2	755.9
47.5°	780.0	808.6	837.3	833.6	819.2	778.1	710.4	655.3	638.3	621.3	638.3
50°	736.7	763.9	791.0	771.4	736.3	690.0	632.7	585.7	569.6	553.6	569.6
52.5°	687.9	712.1	736.3	706.7	659.2	610.5	560.5	517.0	492.6	468.1	492.6
55°	611.9	628.5	645.2	612.8	564.1	510.4	451.9	402.1	378.6	355.2	378.6
57.5°	520.3	532.0	543.7	518.3	480.4	427.1	358.2	300.1	273.8	247.5	273.8
60°	459.3	468.5	477.8	454.6	420.7	369.8	302.0	247.9	234.9	222.0	234.9
62.5°	403.8	412.0	420.3	396.2	361.3	315.8	259.8	216.7	212.1	207.6	212.1
65°	327.4	335.5	343.5	318.2	281.8	246.4	211.8	185.8	185.2	184.5	185.2
67.5°	260.6	269.3	278.1	254.3	219.6	193.4	175.7	162.1	161.4	160.7	161.4
70°	220.6	229.9	239.1	216.9	184.2	163.0	153.1	145.4	144.1	142.9	144.1
72.5°	187.3	196.1	204.8	185.5	156.7	139.1	132.7	127.7	127.0	126.3	127.0
75°	141.5	148.3	155.1	141.1	120.1	108.1	105.0	102.5	101.9	101.3	101.9
77.5°	102.7	107.0	111.3	102.1	88.4	80.8	79.2	77.8	77.2	76.6	77.2
80°	80.5	82.3	84.2	77.7	68.4	63.5	62.9	62.3	61.7	61.0	61.7
82.5°	60.5	59.9	59.3	55.5	50.7	48.0	47.4	46.6	45.5	44.4	45.5
85°	31.9	30.7	29.4	28.2	27.0	25.1	22.7	20.3	18.5	16.6	18.5
87.5°	10.2	10.4	10.8	9.2	6.9	5.5	5.0	4.7	4.7	4.7	4.7
90°	1.0	2.3	3.9	5.2	6.1	6.4	6.4	6.8	7.1	7.1	7.1
92.5°	3.5	5.6	5.7	5.7	6.9	7.5	8.0	8.1	8.4	8.4	8.4
95°	10.0	11.0	16.4	16.1	11.0	8.7	7.4	7.4	7.4	7.4	7.4
97.5°	19.1	20.5	21.4	28.7	30.3	29.2	23.8	20.0	17.9	16.9	17.9
100°	27.1	27.7	29.6	30.0	38.0	45.7	41.9	37.0	35.4	34.5	35.4
102.5°	35.0	35.4	38.4	39.7	41.6	46.0	59.4	57.9	56.8	56.6	56.8
105°	47.0	47.3	52.8	55.4	56.7	56.7	56.4	62.8	73.1	75.4	73.1
107.5°	59.8	61.3	67.8	74.7	76.1	76.5	74.9	73.9	73.5	73.8	73.5
110°	68.6	70.9	78.6	87.3	89.5	90.2	89.5	88.6	87.9	87.9	87.9



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	77.1	80.4	89.2	99.1	102.9	104.9	103.5	102.7	102.1	102.6	102.1
115°	90.2	95.0	106.6	116.9	124.6	125.6	125.3	125.3	125.0	125.0	125.0
117.5°	102.3	110.0	123.0	135.0	144.0	146.5	147.8	147.5	147.1	147.7	147.1
120°	110.8	119.8	134.6	148.2	156.9	160.7	162.0	161.4	162.0	161.4	162.0
122.5°	119.8	130.9	145.5	159.5	169.7	174.1	175.7	175.8	175.9	175.5	175.9
125°	133.3	146.9	163.9	178.4	189.1	194.2	195.5	195.8	196.5	198.1	196.5
127.5°	147.0	162.3	181.1	195.1	205.9	212.2	214.2	214.9	216.2	217.0	216.2
130°	156.5	173.9	192.9	206.1	216.8	223.5	227.1	228.0	229.6	229.3	229.6
132.5°	166.6	184.7	204.0	217.7	227.6	234.9	237.9	240.7	241.2	241.7	241.2
135°	181.3	201.0	220.3	233.8	243.2	250.3	254.1	256.7	258.3	259.3	258.3
137.5°	196.9	217.6	236.2	248.2	257.6	263.7	268.1	270.8	272.5	273.3	272.5
140°	207.4	227.4	245.4	258.0	266.4	272.5	276.3	279.6	281.5	281.5	281.5
142.5°	217.5	237.2	254.7	267.3	274.6	280.2	284.3	286.8	289.0	289.0	289.0
145°	231.6	251.2	267.3	279.9	286.0	291.2	295.7	297.6	298.9	298.9	298.9
147.5°	246.3	263.7	278.4	290.5	295.6	301.7	305.2	306.8	308.4	307.7	308.4
150°	255.1	271.2	285.4	296.6	301.8	307.6	311.1	312.4	314.0	313.1	314.0
152.5°	263.6	278.9	291.8	302.3	306.7	312.5	316.5	317.8	318.9	318.2	318.9
155°	275.1	288.6	300.5	310.2	314.0	319.5	323.4	325.0	326.3	324.7	326.3
157.5°	285.3	297.0	307.3	316.2	320.3	325.0	328.7	330.7	331.9	331.2	331.9
160°	291.5	302.1	311.5	319.8	323.7	327.9	331.7	334.0	335.3	334.3	335.3
162.5°	296.6	306.2	315.1	322.7	326.0	329.7	334.3	336.3	337.6	336.4	337.6
165°	304.0	311.8	319.5	326.0	328.8	331.7	336.6	338.8	339.8	338.5	339.8
167.5°	309.7	315.6	321.8	327.4	329.5	332.3	337.2	339.0	340.3	338.6	340.3
170°	312.7	317.9	323.4	327.9	329.5	332.1	336.9	338.5	339.5	337.9	339.5
172.5°	315.3	319.2	323.6	327.6	328.5	330.5	335.1	336.7	337.4	336.1	337.4
175°	317.9	320.2	323.4	326.0	325.6	326.9	330.8	332.1	333.4	331.4	333.4
177.5°	319.1	320.2	321.2	322.7	321.7	321.7	324.5	325.3	325.6	324.5	325.6
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5
2.5°	1311.7	1310.7	1309.7	1311.9	1317.4	1319.3	1310.9	1302.6	1310.9	1319.3	1317.4
5°	1312.2	1310.2	1309.0	1311.2	1316.7	1318.3	1307.8	1297.3	1307.8	1318.3	1316.7
7.5°	1310.3	1307.4	1305.3	1306.9	1312.4	1313.7	1303.0	1292.3	1303.0	1313.7	1312.4
10°	1306.7	1303.3	1300.2	1301.1	1306.1	1307.5	1298.2	1289.0	1298.2	1307.5	1306.1
12.5°	1298.8	1294.8	1290.7	1290.9	1295.3	1296.5	1287.7	1279.0	1287.7	1296.5	1295.3
15°	1287.0	1282.0	1276.5	1274.9	1277.4	1277.2	1269.2	1261.2	1269.2	1277.2	1277.4
17.5°	1277.0	1270.3	1262.4	1258.6	1258.8	1256.6	1246.8	1237.1	1246.8	1256.6	1258.8
20°	1271.1	1262.1	1252.3	1246.7	1245.5	1241.6	1229.9	1218.2	1229.9	1241.6	1245.5
22.5°	1270.0	1256.2	1241.4	1232.9	1230.7	1225.6	1211.9	1198.2	1211.9	1225.6	1230.7
25°	1270.8	1250.6	1229.0	1213.9	1205.2	1195.4	1181.8	1168.2	1181.8	1195.4	1205.2
27.5°	1262.2	1240.8	1216.5	1195.3	1177.1	1160.2	1146.7	1133.3	1146.7	1160.2	1177.1
30°	1247.5	1225.6	1200.3	1176.9	1155.3	1135.9	1122.9	1110.0	1122.9	1135.9	1155.3
32.5°	1227.3	1204.1	1176.9	1151.7	1128.7	1108.0	1094.6	1081.1	1094.6	1108.0	1128.7
35°	1192.0	1169.2	1140.8	1112.8	1085.0	1061.0	1048.0	1035.1	1048.0	1061.0	1085.0
37.5°	1120.9	1108.9	1093.0	1069.5	1038.4	1011.4	996.7	982.1	996.7	1011.4	1038.4
40°	1056.6	1056.3	1053.2	1036.9	1007.3	980.3	961.2	942.1	961.2	980.3	1007.3
42.5°	968.7	986.8	999.0	994.7	974.0	952.3	927.8	903.2	927.8	952.3	974.0
45°	780.5	833.4	895.7	922.8	914.8	901.5	872.6	843.6	872.6	901.5	914.8
47.5°	655.3	710.4	778.1	819.2	833.6	837.3	808.6	780.0	808.6	837.3	833.6
50°	585.7	632.7	690.0	736.3	771.4	791.0	763.9	736.7	763.9	791.0	771.4
52.5°	517.0	560.5	610.5	659.2	706.7	736.3	712.1	687.9	712.1	736.3	706.7
55°	402.1	451.9	510.4	564.1	612.8	645.2	628.5	611.9	628.5	645.2	612.8
57.5°	300.1	358.2	427.1	480.4	518.3	543.7	532.0	520.3	532.0	543.7	518.3
60°	247.9	302.0	369.8	420.7	454.6	477.8	468.5	459.3	468.5	477.8	454.6
62.5°	216.7	259.8	315.8	361.3	396.2	420.3	412.0	403.8	412.0	420.3	396.2
65°	185.8	211.8	246.4	281.8	318.2	343.5	335.5	327.4	335.5	343.5	318.2
67.5°	162.1	175.7	193.4	219.6	254.3	278.1	269.3	260.6	269.3	278.1	254.3
70°	145.4	153.1	163.0	184.2	216.9	239.1	229.9	220.6	229.9	239.1	216.9
72.5°	127.7	132.7	139.1	156.7	185.5	204.8	196.1	187.3	196.1	204.8	185.5
75°	102.5	105.0	108.1	120.1	141.1	155.1	148.3	141.5	148.3	155.1	141.1
77.5°	77.8	79.2	80.8	88.4	102.1	111.3	107.0	102.7	107.0	111.3	102.1
80°	62.3	62.9	63.5	68.4	77.7	84.2	82.3	80.5	82.3	84.2	77.7
82.5°	46.6	47.4	48.0	50.7	55.5	59.3	59.9	60.5	59.9	59.3	55.5
85°	20.3	22.7	25.1	27.0	28.2	29.4	30.7	31.9	30.7	29.4	28.2
87.5°	4.7	5.0	5.5	6.9	9.2	10.8	10.4	10.2	10.4	10.7	9.3
90°	6.8	6.4	6.4	6.1	5.2	3.9	2.3	1.0	2.3	3.5	5.8
92.5°	8.1	8.0	7.5	6.9	5.7	5.7	5.6	3.5	6.1	8.7	12.5
95°	7.4	7.4	8.7	11.0	16.1	16.4	11.0	10.0	14.2	20.0	25.1
97.5°	20.0	23.8	29.2	30.3	28.7	21.4	20.5	19.1	26.0	31.7	40.0
100°	37.0	41.9	45.7	38.0	30.0	29.6	27.7	27.1	34.5	39.9	48.0
102.5°	57.9	59.4	46.0	41.6	39.7	38.4	35.4	35.0	42.5	50.0	56.8
105°	62.8	56.4	56.7	56.7	55.4	52.8	47.3	47.0	55.4	64.1	72.5
107.5°	73.9	74.9	76.5	76.1	74.7	67.8	61.3	59.8	67.4	77.8	87.0
110°	88.6	89.5	90.2	89.5	87.3	78.6	70.9	68.6	75.4	86.3	96.3



TEST NUMBER: P1428020

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	102.7	103.5	104.9	102.9	99.1	89.2	80.4	77.1	83.9	95.1	105.3
115°	125.3	125.3	125.6	124.6	116.9	106.6	95.0	90.2	96.0	106.3	117.6
117.5°	147.5	147.8	146.5	144.0	135.0	123.0	110.0	102.3	106.9	117.8	129.3
120°	161.4	162.0	160.7	156.9	148.2	134.6	119.8	110.8	114.3	125.0	136.6
122.5°	175.8	175.7	174.1	169.7	159.5	145.5	130.9	119.8	121.3	131.2	142.5
125°	195.8	195.5	194.2	189.1	178.4	163.9	146.9	133.3	131.4	139.8	151.4
127.5°	214.9	214.2	212.2	205.9	195.1	181.1	162.3	147.0	142.7	148.0	158.6
130°	228.0	227.1	223.5	216.8	206.1	192.9	173.9	156.5	150.4	153.6	163.0
132.5°	240.7	237.9	234.9	227.6	217.7	204.0	184.7	166.6	158.1	159.6	166.8
135°	256.7	254.1	250.3	243.2	233.8	220.3	201.0	181.3	169.7	168.5	172.6
137.5°	270.8	268.1	263.7	257.6	248.2	236.2	217.6	196.9	182.2	177.9	179.5
140°	279.6	276.3	272.5	266.4	258.0	245.4	227.4	207.4	191.0	184.9	183.9
142.5°	286.8	284.3	280.2	274.6	267.3	254.7	237.2	217.5	200.0	192.1	189.8
145°	297.6	295.7	291.2	286.0	279.9	267.3	251.2	231.6	214.2	203.9	199.0
147.5°	306.8	305.2	301.7	295.6	290.5	278.4	263.7	246.3	228.5	215.7	209.5
150°	312.4	311.1	307.6	301.8	296.6	285.4	271.2	255.1	238.0	224.5	216.4
152.5°	317.8	316.5	312.5	306.7	302.3	291.8	278.9	263.6	246.3	232.7	224.4
155°	325.0	323.4	319.5	314.0	310.2	300.5	288.6	275.1	260.2	246.1	236.7
157.5°	330.7	328.7	325.0	320.3	316.2	307.3	297.0	285.3	272.4	258.8	249.3
160°	334.0	331.7	327.9	323.7	319.8	311.5	302.1	291.5	279.6	267.3	257.0
162.5°	336.3	334.3	329.7	326.0	322.7	315.1	306.2	296.6	286.0	275.3	265.8
165°	338.8	336.6	331.7	328.8	326.0	319.5	311.8	304.0	295.0	286.3	278.6
167.5°	339.0	337.2	332.3	329.5	327.4	321.8	315.6	309.7	302.6	295.8	289.4
170°	338.5	336.9	332.1	329.5	327.9	323.4	317.9	312.7	307.3	301.5	296.3
172.5°	336.7	335.1	330.5	328.5	327.6	323.6	319.2	315.3	310.6	306.4	302.2
175°	332.1	330.8	326.9	325.6	326.0	323.4	320.2	317.9	315.0	312.4	310.2
177.5°	325.3	324.5	321.7	321.7	322.7	321.2	320.2	319.1	317.8	317.1	316.3
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



TEST NUMBER: P1428020

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5	1312.5
2.5°	1311.9	1309.7	1310.7	1311.7	1312.7	1313.7	1312.7	1311.7	1310.7	1309.7	1311.9
5°	1311.2	1309.0	1310.2	1312.2	1316.6	1320.9	1316.6	1312.2	1310.2	1309.0	1311.2
7.5°	1306.9	1305.3	1307.4	1310.3	1315.6	1320.9	1315.6	1310.3	1307.4	1305.3	1306.9
10°	1301.1	1300.2	1303.3	1306.7	1311.0	1315.3	1311.0	1306.7	1303.3	1300.2	1301.1
12.5°	1290.9	1290.7	1294.8	1298.8	1302.6	1306.4	1302.6	1298.8	1294.8	1290.7	1290.9
15°	1274.9	1276.5	1282.0	1287.0	1290.0	1293.1	1290.0	1287.0	1282.0	1276.5	1274.9
17.5°	1258.6	1262.4	1270.3	1277.0	1280.2	1283.4	1280.2	1277.0	1270.3	1262.4	1258.6
20°	1246.7	1252.3	1262.1	1271.1	1277.2	1283.4	1277.2	1271.1	1262.1	1252.3	1246.7
22.5°	1232.9	1241.4	1256.2	1270.0	1280.6	1291.2	1280.6	1270.0	1256.2	1241.4	1232.9
25°	1213.9	1229.0	1250.6	1270.8	1286.8	1302.8	1286.8	1270.8	1250.6	1229.0	1213.9
27.5°	1195.3	1216.5	1240.8	1262.2	1274.9	1287.6	1274.9	1262.2	1240.8	1216.5	1195.3
30°	1176.9	1200.3	1225.6	1247.5	1259.2	1270.9	1259.2	1247.5	1225.6	1200.3	1176.9
32.5°	1151.7	1176.9	1204.1	1227.3	1238.0	1248.7	1238.0	1227.3	1204.1	1176.9	1151.7
35°	1112.8	1140.8	1169.2	1192.0	1198.2	1204.3	1198.2	1192.0	1169.2	1140.8	1112.8
37.5°	1069.5	1093.0	1108.9	1120.9	1121.3	1121.6	1121.3	1120.9	1108.9	1093.0	1069.5
40°	1036.9	1053.2	1056.3	1056.6	1048.6	1040.6	1048.6	1056.6	1056.3	1053.2	1036.9
42.5°	994.7	999.0	986.8	968.7	933.1	897.4	933.1	968.7	986.8	999.0	994.7
45°	922.8	895.7	833.4	780.5	755.9	731.2	755.9	780.5	833.4	895.7	922.8
47.5°	819.2	778.1	710.4	655.3	638.3	621.3	638.3	655.3	710.4	778.1	819.2
50°	736.3	690.0	632.7	585.7	569.6	553.6	569.6	585.7	632.7	690.0	736.3
52.5°	659.2	610.5	560.5	517.0	492.6	468.1	492.6	517.0	560.5	610.5	659.2
55°	564.1	510.4	451.9	402.1	378.6	355.2	378.6	402.1	451.9	510.4	564.1
57.5°	480.4	427.1	358.2	300.1	273.8	247.5	273.8	300.1	358.2	427.1	480.4
60°	420.7	369.8	302.0	247.9	234.9	222.0	234.9	247.9	302.0	369.8	420.7
62.5°	361.3	315.8	259.8	216.7	212.1	207.6	212.1	216.7	259.8	315.8	361.3
65°	281.8	246.4	211.8	185.8	185.2	184.5	185.2	185.8	211.8	246.4	281.8
67.5°	219.6	193.4	175.7	162.1	161.4	160.7	161.4	162.1	175.7	193.4	219.6
70°	184.2	163.0	153.1	145.4	144.1	142.9	144.1	145.4	153.1	163.0	184.2
72.5°	156.7	139.1	132.7	127.7	127.0	126.3	127.0	127.7	132.7	139.1	156.7
75°	120.1	108.1	105.0	102.5	101.9	101.3	101.9	102.5	105.0	108.1	120.1
77.5°	88.4	80.8	79.2	77.8	77.2	76.6	77.2	77.8	79.2	80.8	88.4
80°	68.4	63.5	62.9	62.3	61.7	61.0	61.7	62.3	62.9	63.5	68.4
82.5°	50.7	48.0	47.4	46.6	45.5	44.4	45.5	46.6	47.4	48.0	50.7
85°	27.0	25.1	22.7	20.3	18.5	16.6	18.5	20.3	22.7	25.1	27.0
87.5°	7.2	6.1	6.1	6.0	6.2	6.1	6.2	6.0	6.1	6.1	7.2
90°	7.4	9.7	11.9	13.2	14.5	13.8	14.5	13.2	11.9	9.7	7.4
92.5°	14.9	18.7	21.5	23.8	24.8	24.7	24.8	23.8	21.5	18.7	14.9
95°	30.0	34.5	39.0	42.2	44.1	43.5	44.1	42.2	39.0	34.5	30.0
97.5°	46.2	52.2	57.3	60.3	62.2	63.5	62.2	60.3	57.3	52.2	46.2
100°	57.0	62.8	68.6	72.1	75.4	76.7	75.4	72.1	68.6	62.8	57.0
102.5°	65.8	73.4	79.7	83.5	86.2	87.5	86.2	83.5	79.7	73.4	65.8
105°	80.2	88.3	95.0	99.8	102.7	103.7	102.7	99.8	95.0	88.3	80.2
107.5°	94.6	102.9	109.2	114.5	118.1	120.1	118.1	114.5	109.2	102.9	94.6
110°	106.0	112.7	119.5	124.3	127.9	129.2	127.9	124.3	119.5	112.7	106.0



TEST NUMBER: P1428020

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	115.5	123.0	129.8	134.6	138.7	140.5	138.7	134.6	129.8	123.0	115.5
115°	128.8	138.8	144.9	149.4	152.3	154.0	152.3	149.4	144.9	138.8	128.8
117.5°	139.9	150.3	157.0	160.5	161.9	163.0	161.9	160.5	157.0	150.3	139.9
120°	146.9	156.5	164.3	168.8	170.4	171.0	170.4	168.8	164.3	156.5	146.9
122.5°	153.3	162.5	169.9	175.5	178.1	178.8	178.1	175.5	169.9	162.5	153.3
125°	162.3	171.0	178.8	184.2	187.1	188.7	187.1	184.2	178.8	171.0	162.3
127.5°	170.2	179.6	186.7	191.6	194.5	195.8	194.5	191.6	186.7	179.6	170.2
130°	174.6	184.2	191.3	196.8	199.4	200.7	199.4	196.8	191.3	184.2	174.6
132.5°	177.9	188.1	195.4	200.4	203.2	204.5	203.2	200.4	195.4	188.1	177.9
135°	182.0	192.6	200.3	205.2	207.7	209.0	207.7	205.2	200.3	192.6	182.0
137.5°	185.5	195.2	203.2	208.3	210.6	211.5	210.6	208.3	203.2	195.2	185.5
140°	188.1	196.5	204.5	209.4	211.9	212.3	211.9	209.4	204.5	196.5	188.1
142.5°	191.4	198.0	205.0	209.9	212.4	213.0	212.4	209.9	205.0	198.0	191.4
145°	197.4	201.3	206.1	210.6	212.9	213.5	212.9	210.6	206.1	201.3	197.4
147.5°	205.0	206.2	208.7	211.7	213.9	214.3	213.9	211.7	208.7	206.2	205.0
150°	210.6	210.3	211.3	213.2	215.2	214.8	215.2	213.2	211.3	210.3	210.6
152.5°	217.1	215.2	215.2	216.1	217.0	216.9	217.0	216.1	215.2	215.2	217.1
155°	228.0	224.5	222.6	221.9	221.9	221.6	221.9	221.9	222.6	224.5	228.0
157.5°	240.1	235.1	232.2	230.7	230.2	229.5	230.2	230.7	232.2	235.1	240.1
160°	248.3	242.9	240.0	237.4	236.4	235.4	236.4	237.4	240.0	242.9	248.3
162.5°	256.1	250.8	247.7	245.4	244.4	242.9	244.4	245.4	247.7	250.8	256.1
165°	268.6	263.1	259.6	257.7	256.4	255.1	256.4	257.7	259.6	263.1	268.6
167.5°	281.2	275.2	272.9	270.7	269.5	267.1	269.5	270.7	272.9	275.2	281.2
170°	288.9	283.4	282.1	280.2	278.0	275.4	278.0	280.2	282.1	283.4	288.9
172.5°	295.6	291.9	290.6	288.7	288.0	285.9	288.0	288.7	290.6	291.9	295.6
175°	305.3	302.4	302.4	302.1	301.1	299.2	301.1	302.1	302.4	302.4	305.3
177.5°	313.5	311.9	312.9	312.9	312.7	310.9	312.7	312.9	312.9	311.9	313.5
180°	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9	318.9



TEST NUMBER: P1428020

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1312.5	1312.5	1312.5	1312.5
2.5°	1317.4	1319.3	1310.9	1302.6
5°	1316.7	1318.3	1307.8	1297.3
7.5°	1312.4	1313.7	1303.0	1292.3
10°	1306.1	1307.5	1298.2	1289.0
12.5°	1295.3	1296.5	1287.7	1279.0
15°	1277.4	1277.2	1269.2	1261.2
17.5°	1258.8	1256.6	1246.8	1237.1
20°	1245.5	1241.6	1229.9	1218.2
22.5°	1230.7	1225.6	1211.9	1198.2
25°	1205.2	1195.4	1181.8	1168.2
27.5°	1177.1	1160.2	1146.7	1133.3
30°	1155.3	1135.9	1122.9	1110.0
32.5°	1128.7	1108.0	1094.6	1081.1
35°	1085.0	1061.0	1048.0	1035.1
37.5°	1038.4	1011.4	996.7	982.1
40°	1007.3	980.3	961.2	942.1
42.5°	974.0	952.3	927.8	903.2
45°	914.8	901.5	872.6	843.6
47.5°	833.6	837.3	808.6	780.0
50°	771.4	791.0	763.9	736.7
52.5°	706.7	736.3	712.1	687.9
55°	612.8	645.2	628.5	611.9
57.5°	518.3	543.7	532.0	520.3
60°	454.6	477.8	468.5	459.3
62.5°	396.2	420.3	412.0	403.8
65°	318.2	343.5	335.5	327.4
67.5°	254.3	278.1	269.3	260.6
70°	216.9	239.1	229.9	220.6
72.5°	185.5	204.8	196.1	187.3
75°	141.1	155.1	148.3	141.5
77.5°	102.1	111.3	107.0	102.7
80°	77.7	84.2	82.3	80.5
82.5°	55.5	59.3	59.9	60.5
85°	28.2	29.4	30.7	31.9
87.5°	9.3	10.7	10.4	10.2
90°	5.8	3.5	2.3	1.0
92.5°	12.5	8.7	6.1	3.5
95°	25.1	20.0	14.2	10.0
97.5°	40.0	31.7	26.0	19.1
100°	48.0	39.9	34.5	27.1
102.5°	56.8	50.0	42.5	35.0
105°	72.5	64.1	55.4	47.0
107.5°	87.0	77.8	67.4	59.8
110°	96.3	86.3	75.4	68.6



TEST NUMBER: P1428020

CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	105.3	95.1	83.9	77.1
115°	117.6	106.3	96.0	90.2
117.5°	129.3	117.8	106.9	102.3
120°	136.6	125.0	114.3	110.8
122.5°	142.5	131.2	121.3	119.8
125°	151.4	139.8	131.4	133.3
127.5°	158.6	148.0	142.7	147.0
130°	163.0	153.6	150.4	156.5
132.5°	166.8	159.6	158.1	166.6
135°	172.6	168.5	169.7	181.3
137.5°	179.5	177.9	182.2	196.9
140°	183.9	184.9	191.0	207.4
142.5°	189.8	192.1	200.0	217.5
145°	199.0	203.9	214.2	231.6
147.5°	209.5	215.7	228.5	246.3
150°	216.4	224.5	238.0	255.1
152.5°	224.4	232.7	246.3	263.6
155°	236.7	246.1	260.2	275.1
157.5°	249.3	258.8	272.4	285.3
160°	257.0	267.3	279.6	291.5
162.5°	265.8	275.3	286.0	296.6
165°	278.6	286.3	295.0	304.0
167.5°	289.4	295.8	302.6	309.7
170°	296.3	301.5	307.3	312.7
172.5°	302.2	306.4	310.6	315.3
175°	310.2	312.4	315.0	317.9
177.5°	316.3	317.1	317.8	319.1
180°	318.9	318.9	318.9	318.9



TEST NUMBER: P1428020
 CATALOG NUMBER: SQ2W-PP3-K-025U-075D-L930-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	20.37	21.50	21.05	22.19	22.99	16.14	17.27	16.82	17.96	18.77
	3H	21.45	22.46	22.14	23.16	24.00	17.47	18.48	18.16	19.18	20.02
	4H	21.83	22.78	22.54	23.49	24.35	18.04	18.99	18.75	19.70	20.55
	6H	22.04	22.91	22.76	23.63	24.50	18.42	19.29	19.14	20.01	20.88
	8H	22.11	22.94	22.84	23.68	24.55	18.55	19.38	19.29	20.13	21.00
	12H	22.14	22.93	22.88	23.66	24.56	18.60	19.39	19.34	20.12	21.02
4H	2H	20.52	21.47	21.24	22.18	23.04	17.08	18.03	17.80	18.74	19.60
	3H	21.84	22.62	22.57	23.37	24.25	18.53	19.31	19.26	20.06	20.94
	4H	22.36	23.07	23.10	23.82	24.72	19.16	19.87	19.91	20.62	21.52
	6H	22.69	23.30	23.45	24.08	24.99	19.62	20.23	20.39	21.01	21.92
	8H	22.80	23.37	23.57	24.15	25.07	19.80	20.37	20.56	21.14	22.06
	12H	22.86	23.37	23.65	24.17	25.09	19.86	20.37	20.65	21.17	22.09
8H	4H	22.40	22.97	23.16	23.74	24.66	19.49	20.06	20.26	20.83	21.76
	6H	22.82	23.29	23.61	24.11	25.03	20.06	20.53	20.86	21.35	22.27
	8H	23.00	23.42	23.81	24.24	25.18	20.31	20.73	21.12	21.54	22.48
	12H	23.11	23.48	23.92	24.28	25.28	20.42	20.79	21.23	21.59	22.59
12H	4H	22.37	22.88	23.15	23.68	24.60	19.51	20.03	20.30	20.82	21.75
	6H	22.81	23.23	23.62	24.05	24.99	20.12	20.55	20.93	21.36	22.30
	8H	23.02	23.39	23.83	24.20	25.19	20.41	20.78	21.22	21.59	22.59