

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: P1428204

Luminaire Tested: SQ2W-PR1-K-050U-050D-L835-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428204
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-050U-050D-L835-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 500 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

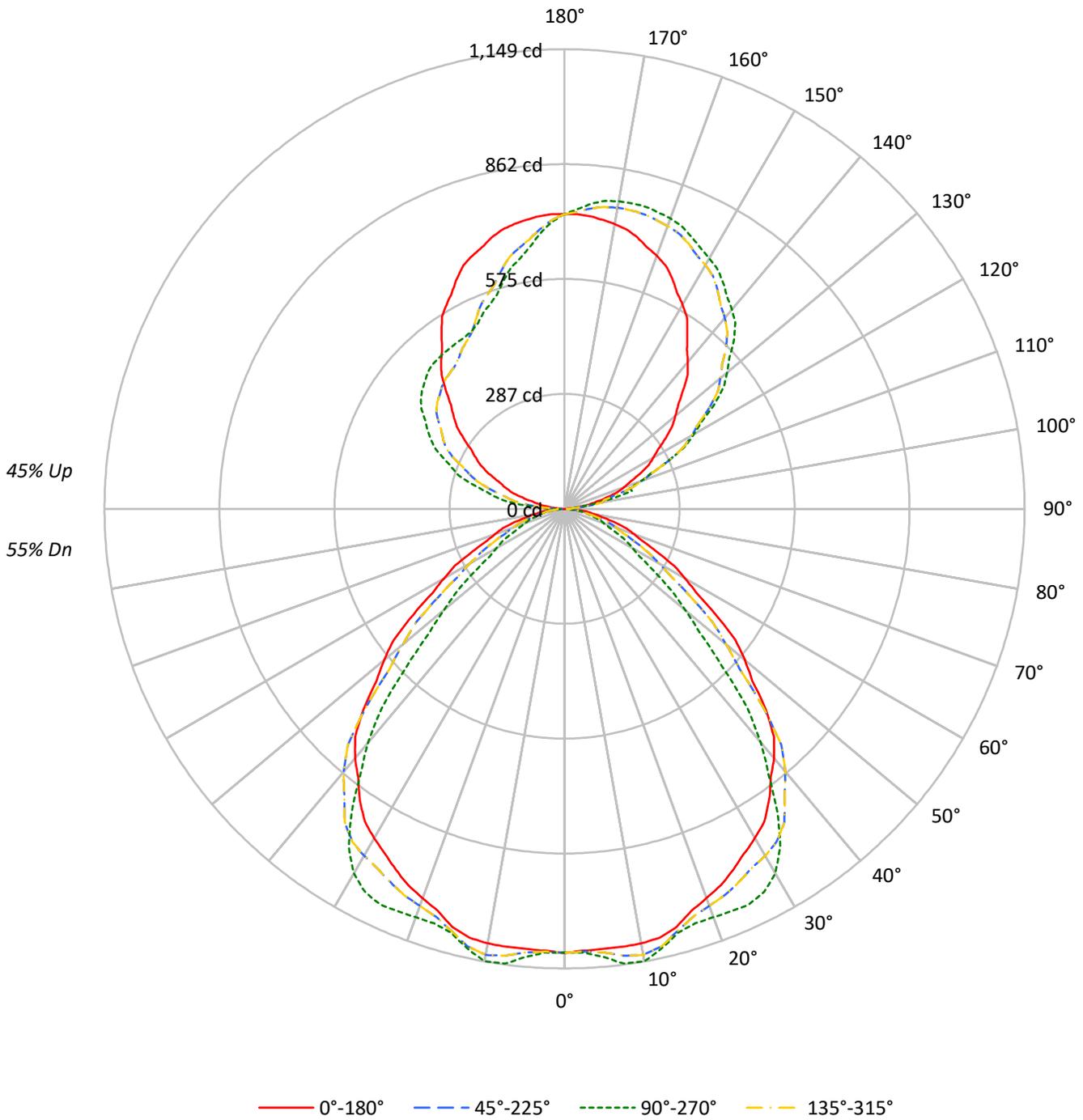
Lumens per Lamp: N/A
Luminaire Lumens: 4824.8 lumens
Efficiency: N/A
Efficacy: 147.5 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 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	55				
1	100	96	92	89	93	89	86	83	77	74	72	65	64	62	55	54	53	48				
2	91	84	78	74	85	79	74	69	68	64	61	58	56	53	49	47	46	41				
3	84	75	68	62	78	70	64	59	61	56	52	52	49	46	44	42	40	36				
4	77	66	59	53	71	62	55	50	54	49	45	47	43	40	40	37	35	31				
5	71	60	52	46	66	56	49	44	49	43	39	42	38	35	36	33	30	27				
6	65	54	46	40	61	50	43	38	44	39	34	38	34	31	33	30	27	24				
7	61	49	41	35	56	46	39	34	40	35	30	35	31	27	30	27	24	22				
8	56	44	37	31	52	42	35	30	37	31	27	32	28	24	28	24	22	20				
9	52	40	33	28	49	38	31	27	34	28	24	30	25	22	26	22	20	18				
10	49	37	30	25	46	35	29	24	31	26	22	27	23	20	24	20	18	16				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	17925	17925	17925	17925
5°	17901	18232	17901	18232
10°	18090	18831	18090	18831
15°	18084	18330	18084	18330
20°	17792	18666	17792	18666
25°	17742	19434	17742	19434
30°	17722	19622	17722	19622
35°	17554	18267	17554	18267
40°	17150	16075	17150	16075
45°	16228	12714	16228	12714
50°	14752	9864	14752	9864
55°	12965	7676	12965	7676
60°	11218	6323	11218	6323
65°	9685	5536	9685	5536
70°	8710	4914	8710	4914
75°	7979	4516	7979	4516
80°	6945	4416	6945	4416
85°	5039	2093	5039	2093

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 17422 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.2	2.2
10°-20°	310.4	6.4
20°-30°	479.8	9.9
30°-40°	577.0	12.0
40°-50°	518.1	10.7
50°-60°	347.2	7.2
60°-70°	202.0	4.2
70°-80°	103.7	2.1
80°-90°	28.6	0.6
90°-100°	58.6	1.2
100°-110°	171.0	3.5
110°-120°	279.0	5.8
120°-130°	354.0	7.3
130°-140°	378.8	7.9
140°-150°	353.8	7.3
150°-160°	291.1	6.0
160°-170°	195.2	4.0
170°-180°	69.3	1.4
0°-30°	897.3	18.6
0°-40°	1474.3	30.6
0°-60°	2339.6	48.5
0°-90°	2673.9	55.4
90°-120°	508.6	10.5
90°-150°	1595.3	33.1
90°-180°	2151.0	44.6
0°-180°	4824.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1110	1110	1110	1110	1110	
5°	1104	1125	1104	1125	1104	105
15°	1082	1097	1082	1097	1082	304
25°	996	1091	996	1091	996	459
35°	891	927	891	927	891	555
45°	711	557	711	557	711	544
55°	461	273	461	273	461	414
65°	254	145	254	145	254	256
75°	128	72	128	72	128	136
85°	27	11	27	11	27	34
90°	2	16	2	32	2	3
95°	23	17	23	100	23	28
105°	109	174	109	240	109	116
115°	208	289	208	356	208	205
125°	308	458	308	436	308	276
135°	419	599	419	483	419	324
145°	535	690	535	493	535	335
155°	636	750	636	512	636	292
165°	702	782	702	589	702	198
175°	734	766	734	691	734	70
180°	737	737	737	737	737	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2
2.5°	1105.6	1111.7	1117.7	1115.0	1109.4	1106.8	1107.2	1107.8	1109.0	1110.2	1109.0
5°	1104.5	1113.1	1121.6	1119.6	1114.1	1111.8	1112.8	1114.8	1119.9	1124.9	1119.9
7.5°	1104.3	1116.5	1128.6	1129.6	1126.7	1126.8	1129.7	1133.6	1140.2	1146.8	1140.2
10°	1103.4	1118.0	1132.6	1134.7	1132.7	1131.9	1132.4	1134.6	1141.6	1148.6	1141.6
12.5°	1097.9	1114.9	1132.0	1130.2	1122.1	1117.7	1117.0	1117.5	1121.3	1125.1	1121.3
15°	1081.9	1102.0	1122.1	1113.9	1096.3	1088.3	1089.8	1091.6	1094.1	1096.6	1094.1
17.5°	1053.6	1074.6	1095.6	1088.3	1071.5	1065.8	1071.2	1076.5	1081.5	1086.4	1081.5
20°	1035.5	1056.1	1076.7	1071.7	1058.1	1054.8	1061.9	1069.3	1077.9	1086.4	1077.9
22.5°	1019.2	1039.8	1060.4	1057.2	1046.0	1045.4	1055.2	1065.6	1077.4	1089.1	1077.4
25°	995.9	1014.0	1032.1	1032.5	1026.9	1032.5	1049.1	1064.8	1077.9	1090.9	1077.9
27.5°	971.4	982.1	992.8	999.8	1005.6	1019.8	1042.2	1061.3	1070.5	1079.6	1070.5
30°	950.6	957.6	964.7	977.8	992.9	1010.2	1029.8	1045.4	1048.9	1052.5	1048.9
32.5°	928.0	932.2	936.4	954.8	978.0	994.7	1005.1	1011.7	1007.2	1002.7	1007.2
35°	890.6	894.1	897.7	921.2	951.4	962.4	954.4	946.0	936.4	926.8	936.4
37.5°	846.3	853.5	860.8	879.9	903.1	902.8	879.3	858.9	848.0	837.0	848.0
40°	813.7	825.7	837.8	850.6	863.7	852.7	817.4	787.9	775.3	762.7	775.3
42.5°	773.8	793.2	812.5	815.3	812.7	789.0	744.1	706.6	691.2	675.8	691.2
45°	710.7	736.8	763.0	748.0	719.4	680.6	631.9	591.0	573.9	556.8	573.9
47.5°	636.2	663.1	689.9	661.7	615.2	570.1	526.5	489.9	473.9	457.9	473.9
50°	587.3	609.0	630.6	598.7	548.9	503.6	462.9	427.9	410.3	392.7	410.3
52.5°	537.5	553.1	568.7	537.1	489.7	445.7	404.9	370.4	354.4	338.4	354.4
55°	460.6	468.6	476.7	447.4	405.6	365.4	326.7	294.9	283.8	272.7	283.8
57.5°	390.0	395.1	400.2	372.5	333.7	297.9	265.0	238.3	230.2	222.0	230.2
60°	347.4	350.9	354.5	326.3	287.6	255.4	229.7	208.9	202.3	195.8	202.3
62.5°	308.5	311.2	313.9	286.8	249.6	220.9	200.5	183.9	179.0	174.1	179.0
65°	253.5	256.0	258.5	235.4	203.7	180.1	164.5	151.9	148.4	144.9	148.4
67.5°	209.8	211.1	212.4	193.4	167.5	148.5	136.2	126.1	122.8	119.5	122.8
70°	184.5	185.0	185.5	168.6	146.0	129.1	118.1	109.1	106.6	104.1	106.6
72.5°	161.8	161.1	160.4	145.4	125.6	111.1	102.1	94.9	93.1	91.4	93.1
75°	127.9	126.4	124.9	112.4	96.3	85.3	79.2	74.4	73.4	72.4	73.4
77.5°	95.5	93.9	92.3	81.9	68.7	61.0	59.0	57.5	57.5	57.5	57.5
80°	74.7	72.7	70.7	62.6	52.6	47.5	47.5	47.5	47.5	47.5	47.5
82.5°	55.7	52.9	50.0	45.1	39.5	36.7	36.7	36.6	36.2	35.8	36.2
85°	27.2	24.6	22.1	21.5	21.5	20.0	17.0	14.3	12.8	11.3	12.8
87.5°	7.7	8.3	9.0	8.1	6.5	5.7	5.7	5.8	6.0	6.0	6.0
90°	2.2	5.2	8.9	11.9	14.1	14.9	14.9	15.6	16.4	16.4	16.4
92.5°	8.2	12.9	13.1	13.1	15.9	17.3	18.5	18.6	19.3	19.3	19.3
95°	23.1	25.3	37.9	37.2	25.3	20.1	17.1	17.1	17.1	17.1	17.1
97.5°	44.1	47.3	49.4	66.2	69.9	67.6	55.1	46.3	41.4	39.1	41.4
100°	62.5	64.0	68.5	69.2	87.8	105.7	96.7	85.6	81.9	79.6	81.9
102.5°	81.0	81.9	88.7	91.8	96.1	106.3	137.2	133.8	131.3	130.8	131.3
105°	108.6	109.4	122.0	128.0	131.0	131.0	130.2	145.1	168.9	174.1	168.9
107.5°	138.3	141.7	156.6	172.5	175.9	176.8	172.9	170.7	169.8	170.4	169.8
110°	158.5	163.7	181.6	201.7	206.9	208.3	206.9	204.6	203.1	203.1	203.1



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	178.1	185.7	206.0	229.0	237.8	242.3	239.0	237.4	235.9	237.1	235.9
115°	208.3	219.5	246.3	270.1	288.0	290.2	289.5	289.5	288.7	288.7	288.7
117.5°	236.3	254.2	284.2	311.9	332.6	338.6	341.5	340.6	339.8	341.2	339.8
120°	256.0	276.8	311.0	342.3	362.4	371.3	374.3	372.8	374.3	372.8	374.3
122.5°	276.8	302.4	336.0	368.5	392.1	402.3	405.8	406.1	406.4	405.5	406.4
125°	308.1	339.3	378.7	412.2	436.8	448.7	451.7	452.4	453.9	457.6	453.9
127.5°	339.6	375.0	418.3	450.6	475.8	490.2	494.8	496.5	499.6	501.2	499.6
130°	361.6	401.8	445.7	476.2	500.8	516.4	524.6	526.8	530.5	529.8	530.5
132.5°	384.8	426.8	471.3	503.0	525.8	542.6	549.6	556.0	557.3	558.4	557.3
135°	418.9	464.3	509.0	540.2	561.8	578.2	587.1	593.0	596.8	599.0	596.8
137.5°	454.8	502.7	545.6	573.4	595.1	609.3	619.4	625.6	629.5	631.3	629.5
140°	479.2	525.3	567.0	596.0	615.4	629.5	638.4	645.9	650.3	650.3	650.3
142.5°	502.4	548.0	588.4	617.5	634.4	647.4	656.9	662.5	667.6	667.6	667.6
145°	535.0	580.4	617.6	646.6	660.8	672.7	683.1	687.5	690.5	690.5	690.5
147.5°	569.1	609.3	643.2	671.0	682.9	696.9	705.1	708.7	712.4	710.8	712.4
150°	589.3	626.5	659.3	685.3	697.2	710.6	718.8	721.8	725.5	723.3	725.5
152.5°	609.0	644.4	674.2	698.4	708.5	721.9	731.3	734.3	736.8	735.2	736.8
155°	635.5	666.7	694.2	716.6	725.5	738.1	747.1	750.8	753.8	750.0	753.8
157.5°	659.1	686.1	710.0	730.6	740.1	750.9	759.3	763.9	766.9	765.2	766.9
160°	673.4	698.0	719.5	738.9	747.8	757.5	766.4	771.6	774.6	772.4	774.6
162.5°	685.3	707.5	727.9	745.4	753.2	761.7	772.4	777.0	780.0	777.1	780.0
165°	702.4	720.3	738.1	753.0	759.7	766.4	777.6	782.8	785.0	782.0	785.0
167.5°	715.4	729.1	743.5	756.3	761.2	767.8	778.9	783.2	786.1	782.3	786.1
170°	722.5	734.4	747.1	757.5	761.2	767.2	778.3	782.0	784.3	780.6	784.3
172.5°	728.5	737.4	747.7	756.9	758.8	763.6	774.2	777.9	779.5	776.4	779.5
175°	734.4	739.6	747.1	753.0	752.3	755.3	764.2	767.2	770.1	765.7	770.1
177.5°	737.3	739.6	742.0	745.6	743.2	743.2	749.8	751.5	752.1	749.8	752.1
180°	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2
2.5°	1107.8	1107.2	1106.8	1109.4	1115.0	1117.7	1111.7	1105.6	1111.7	1117.7	1115.0
5°	1114.8	1112.8	1111.8	1114.1	1119.6	1121.6	1113.1	1104.5	1113.1	1121.6	1119.6
7.5°	1133.6	1129.7	1126.8	1126.7	1129.6	1128.6	1116.5	1104.3	1116.5	1128.6	1129.6
10°	1134.6	1132.4	1131.9	1132.7	1134.7	1132.6	1118.0	1103.4	1118.0	1132.6	1134.7
12.5°	1117.5	1117.0	1117.7	1122.1	1130.2	1132.0	1114.9	1097.9	1114.9	1132.0	1130.2
15°	1091.6	1089.8	1088.3	1096.3	1113.9	1122.1	1102.0	1081.9	1102.0	1122.1	1113.9
17.5°	1076.5	1071.2	1065.8	1071.5	1088.3	1095.6	1074.6	1053.6	1074.6	1095.6	1088.3
20°	1069.3	1061.9	1054.8	1058.1	1071.7	1076.7	1056.1	1035.5	1056.1	1076.7	1071.7
22.5°	1065.6	1055.2	1045.4	1046.0	1057.2	1060.4	1039.8	1019.2	1039.8	1060.4	1057.2
25°	1064.8	1049.1	1032.5	1026.9	1032.5	1032.1	1014.0	995.9	1014.0	1032.1	1032.5
27.5°	1061.3	1042.2	1019.8	1005.6	999.8	992.8	982.1	971.4	982.1	992.8	999.8
30°	1045.4	1029.8	1010.2	992.9	977.8	964.7	957.6	950.6	957.6	964.7	977.8
32.5°	1011.7	1005.1	994.7	978.0	954.8	936.4	932.2	928.0	932.2	936.4	954.8
35°	946.0	954.4	962.4	951.4	921.2	897.7	894.1	890.6	894.1	897.7	921.2
37.5°	858.9	879.3	902.8	903.1	879.9	860.8	853.5	846.3	853.5	860.8	879.9
40°	787.9	817.4	852.7	863.7	850.6	837.8	825.7	813.7	825.7	837.8	850.6
42.5°	706.6	744.1	789.0	812.7	815.3	812.5	793.2	773.8	793.2	812.5	815.3
45°	591.0	631.9	680.6	719.4	748.0	763.0	736.8	710.7	736.8	763.0	748.0
47.5°	489.9	526.5	570.1	615.2	661.7	689.9	663.1	636.2	663.1	689.9	661.7
50°	427.9	462.9	503.6	548.9	598.7	630.6	609.0	587.3	609.0	630.6	598.7
52.5°	370.4	404.9	445.7	489.7	537.1	568.7	553.1	537.5	553.1	568.7	537.1
55°	294.9	326.7	365.4	405.6	447.4	476.7	468.6	460.6	468.6	476.7	447.4
57.5°	238.3	265.0	297.9	333.7	372.5	400.2	395.1	390.0	395.1	400.2	372.5
60°	208.9	229.7	255.4	287.6	326.3	354.5	350.9	347.4	350.9	354.5	326.3
62.5°	183.9	200.5	220.9	249.6	286.8	313.9	311.2	308.5	311.2	313.9	286.8
65°	151.9	164.5	180.1	203.7	235.4	258.5	256.0	253.5	256.0	258.5	235.4
67.5°	126.1	136.2	148.5	167.5	193.4	212.4	211.1	209.8	211.1	212.4	193.4
70°	109.1	118.1	129.1	146.0	168.6	185.5	185.0	184.5	185.0	185.5	168.6
72.5°	94.9	102.1	111.1	125.6	145.4	160.4	161.1	161.8	161.1	160.4	145.4
75°	74.4	79.2	85.3	96.3	112.4	124.9	126.4	127.9	126.4	124.9	112.4
77.5°	57.5	59.0	61.0	68.7	81.9	92.3	93.9	95.5	93.9	92.3	81.9
80°	47.5	47.5	47.5	52.6	62.6	70.7	72.7	74.7	72.7	70.7	62.6
82.5°	36.6	36.7	36.7	39.5	45.1	50.0	52.9	55.7	52.9	50.0	45.1
85°	14.3	17.0	20.0	21.5	21.5	22.1	24.6	27.2	24.6	22.1	21.5
87.5°	5.8	5.7	5.7	6.5	8.1	9.0	8.3	7.7	8.3	8.9	8.4
90°	15.6	14.9	14.9	14.1	11.9	8.9	5.2	2.2	5.2	8.2	13.4
92.5°	18.6	18.5	17.3	15.9	13.1	13.1	12.9	8.2	14.1	20.1	28.9
95°	17.1	17.1	20.1	25.3	37.2	37.9	25.3	23.1	32.7	46.1	58.0
97.5°	46.3	55.1	67.6	69.9	66.2	49.4	47.3	44.1	60.0	73.2	92.4
100°	85.6	96.7	105.7	87.8	69.2	68.5	64.0	62.5	79.6	92.3	110.9
102.5°	133.8	137.2	106.3	96.1	91.8	88.7	81.9	81.0	98.1	115.5	131.1
105°	145.1	130.2	131.0	131.0	128.0	122.0	109.4	108.6	128.0	148.1	167.4
107.5°	170.7	172.9	176.8	175.9	172.5	156.6	141.7	138.3	155.7	179.8	201.1
110°	204.6	206.9	208.3	206.9	201.7	181.6	163.7	158.5	174.1	199.4	222.5



TEST NUMBER: P1428204

CATALOG NUMBER: SQ2W-PR1-K-050U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	237.4	239.0	242.3	237.8	229.0	206.0	185.7	178.1	193.8	219.7	243.3
115°	289.5	289.5	290.2	288.0	270.1	246.3	219.5	208.3	221.7	245.6	271.6
117.5°	340.6	341.5	338.6	332.6	311.9	284.2	254.2	236.3	246.9	272.0	298.8
120°	372.8	374.3	371.3	362.4	342.3	311.0	276.8	256.0	264.2	288.7	315.5
122.5°	406.1	405.8	402.3	392.1	368.5	336.0	302.4	276.8	280.2	303.0	329.2
125°	452.4	451.7	448.7	436.8	412.2	378.7	339.3	308.1	303.6	322.9	349.7
127.5°	496.5	494.8	490.2	475.8	450.6	418.3	375.0	339.6	329.6	341.8	366.4
130°	526.8	524.6	516.4	500.8	476.2	445.7	401.8	361.6	347.5	354.9	376.5
132.5°	556.0	549.6	542.6	525.8	503.0	471.3	426.8	384.8	365.4	368.6	385.4
135°	593.0	587.1	578.2	561.8	540.2	509.0	464.3	418.9	392.1	389.2	398.8
137.5°	625.6	619.4	609.3	595.1	573.4	545.6	502.7	454.8	421.0	411.0	414.8
140°	645.9	638.4	629.5	615.4	596.0	567.0	525.3	479.2	441.2	427.1	424.9
142.5°	662.5	656.9	647.4	634.4	617.5	588.4	548.0	502.4	462.1	443.8	438.6
145°	687.5	683.1	672.7	660.8	646.6	617.6	580.4	535.0	494.8	471.0	459.9
147.5°	708.7	705.1	696.9	682.9	671.0	643.2	609.3	569.1	527.9	498.4	484.0
150°	721.8	718.8	710.6	697.2	685.3	659.3	626.5	589.3	549.9	518.6	500.0
152.5°	734.3	731.3	721.9	708.5	698.4	674.2	644.4	609.0	568.9	537.7	518.5
155°	750.8	747.1	738.1	725.5	716.6	694.2	666.7	635.5	601.2	568.5	546.9
157.5°	763.9	759.3	750.9	740.1	730.6	710.0	686.1	659.1	629.2	598.0	575.9
160°	771.6	766.4	757.5	747.8	738.9	719.5	698.0	673.4	645.9	617.6	593.8
162.5°	777.0	772.4	761.7	753.2	745.4	727.9	707.5	685.3	660.8	636.1	614.0
165°	782.8	777.6	766.4	759.7	753.0	738.1	720.3	702.4	681.6	661.5	643.6
167.5°	783.2	778.9	767.8	761.2	756.3	743.5	729.1	715.4	699.2	683.4	668.5
170°	782.0	778.3	767.2	761.2	757.5	747.1	734.4	722.5	709.9	696.5	684.6
172.5°	777.9	774.2	763.6	758.8	756.9	747.7	737.4	728.5	717.6	707.8	698.3
175°	767.2	764.2	755.3	752.3	753.0	747.1	739.6	734.4	727.7	721.8	716.6
177.5°	751.5	749.8	743.2	743.2	745.6	742.0	739.6	737.3	734.3	732.5	730.7
180°	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7



TEST NUMBER: P1428204

CATALOG NUMBER: SQ2W-PR1-K-050U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2	1110.2
2.5°	1109.4	1106.8	1107.2	1107.8	1109.0	1110.2	1109.0	1107.8	1107.2	1106.8	1109.4
5°	1114.1	1111.8	1112.8	1114.8	1119.9	1124.9	1119.9	1114.8	1112.8	1111.8	1114.1
7.5°	1126.7	1126.8	1129.7	1133.6	1140.2	1146.8	1140.2	1133.6	1129.7	1126.8	1126.7
10°	1132.7	1131.9	1132.4	1134.6	1141.6	1148.6	1141.6	1134.6	1132.4	1131.9	1132.7
12.5°	1122.1	1117.7	1117.0	1117.5	1121.3	1125.1	1121.3	1117.5	1117.0	1117.7	1122.1
15°	1096.3	1088.3	1089.8	1091.6	1094.1	1096.6	1094.1	1091.6	1089.8	1088.3	1096.3
17.5°	1071.5	1065.8	1071.2	1076.5	1081.5	1086.4	1081.5	1076.5	1071.2	1065.8	1071.5
20°	1058.1	1054.8	1061.9	1069.3	1077.9	1086.4	1077.9	1069.3	1061.9	1054.8	1058.1
22.5°	1046.0	1045.4	1055.2	1065.6	1077.4	1089.1	1077.4	1065.6	1055.2	1045.4	1046.0
25°	1026.9	1032.5	1049.1	1064.8	1077.9	1090.9	1077.9	1064.8	1049.1	1032.5	1026.9
27.5°	1005.6	1019.8	1042.2	1061.3	1070.5	1079.6	1070.5	1061.3	1042.2	1019.8	1005.6
30°	992.9	1010.2	1029.8	1045.4	1048.9	1052.5	1048.9	1045.4	1029.8	1010.2	992.9
32.5°	978.0	994.7	1005.1	1011.7	1007.2	1002.7	1007.2	1011.7	1005.1	994.7	978.0
35°	951.4	962.4	954.4	946.0	936.4	926.8	936.4	946.0	954.4	962.4	951.4
37.5°	903.1	902.8	879.3	858.9	848.0	837.0	848.0	858.9	879.3	902.8	903.1
40°	863.7	852.7	817.4	787.9	775.3	762.7	775.3	787.9	817.4	852.7	863.7
42.5°	812.7	789.0	744.1	706.6	691.2	675.8	691.2	706.6	744.1	789.0	812.7
45°	719.4	680.6	631.9	591.0	573.9	556.8	573.9	591.0	631.9	680.6	719.4
47.5°	615.2	570.1	526.5	489.9	473.9	457.9	473.9	489.9	526.5	570.1	615.2
50°	548.9	503.6	462.9	427.9	410.3	392.7	410.3	427.9	462.9	503.6	548.9
52.5°	489.7	445.7	404.9	370.4	354.4	338.4	354.4	370.4	404.9	445.7	489.7
55°	405.6	365.4	326.7	294.9	283.8	272.7	283.8	294.9	326.7	365.4	405.6
57.5°	333.7	297.9	265.0	238.3	230.2	222.0	230.2	238.3	265.0	297.9	333.7
60°	287.6	255.4	229.7	208.9	202.3	195.8	202.3	208.9	229.7	255.4	287.6
62.5°	249.6	220.9	200.5	183.9	179.0	174.1	179.0	183.9	200.5	220.9	249.6
65°	203.7	180.1	164.5	151.9	148.4	144.9	148.4	151.9	164.5	180.1	203.7
67.5°	167.5	148.5	136.2	126.1	122.8	119.5	122.8	126.1	136.2	148.5	167.5
70°	146.0	129.1	118.1	109.1	106.6	104.1	106.6	109.1	118.1	129.1	146.0
72.5°	125.6	111.1	102.1	94.9	93.1	91.4	93.1	94.9	102.1	111.1	125.6
75°	96.3	85.3	79.2	74.4	73.4	72.4	73.4	74.4	79.2	85.3	96.3
77.5°	68.7	61.0	59.0	57.5	57.5	57.5	57.5	57.5	59.0	61.0	68.7
80°	52.6	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	52.6
82.5°	39.5	36.7	36.7	36.6	36.2	35.8	36.2	36.6	36.7	36.7	39.5
85°	21.5	20.0	17.0	14.3	12.8	11.3	12.8	14.3	17.0	20.0	21.5
87.5°	7.1	7.2	8.2	8.8	9.4	9.1	9.4	8.8	8.2	7.2	7.1
90°	17.1	22.3	27.5	30.5	33.5	32.0	33.5	30.5	22.3	17.1	17.1
92.5°	34.4	43.2	49.6	54.9	57.3	57.0	57.3	49.6	43.2	34.4	34.4
95°	69.2	79.6	90.0	97.5	101.9	100.5	101.9	97.5	90.0	79.6	69.2
97.5°	106.7	120.7	132.3	139.3	143.8	146.7	143.8	139.3	132.3	120.7	106.7
100°	131.7	145.1	158.5	166.7	174.1	177.1	174.1	166.7	158.5	145.1	131.7
102.5°	151.9	169.5	184.1	192.9	199.1	202.1	199.1	192.9	184.1	169.5	151.9
105°	185.3	203.9	219.5	230.7	237.4	239.6	237.4	230.7	219.5	203.9	185.3
107.5°	218.6	237.8	252.2	264.6	272.8	277.5	272.8	264.6	252.2	237.8	218.6
110°	244.8	260.4	276.1	287.2	295.4	298.4	295.4	287.2	276.1	260.4	244.8

TEST NUMBER: P1428204

CATALOG NUMBER: SQ2W-PR1-K-050U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	266.8	284.2	299.9	311.0	320.4	324.6	320.4	311.0	299.9	284.2	266.8
115°	297.6	320.7	334.8	345.3	352.0	355.7	352.0	345.3	334.8	320.7	297.6
117.5°	323.2	347.3	362.8	370.9	374.0	376.7	374.0	370.9	362.8	347.3	323.2
120°	339.3	361.6	379.5	389.9	393.6	395.1	393.6	389.9	379.5	361.6	339.3
122.5°	354.2	375.3	392.6	405.4	411.5	413.0	411.5	405.4	392.6	375.3	354.2
125°	375.0	395.1	413.0	425.6	432.3	436.0	432.3	425.6	413.0	395.1	375.0
127.5°	393.2	414.9	431.3	442.7	449.3	452.3	449.3	442.7	431.3	414.9	393.2
130°	403.3	425.6	442.0	454.6	460.6	463.6	460.6	454.6	442.0	425.6	403.3
132.5°	411.0	434.6	451.5	463.0	469.5	472.5	469.5	463.0	451.5	434.6	411.0
135°	420.4	445.0	462.8	474.0	479.9	482.9	479.9	474.0	462.8	445.0	420.4
137.5°	428.6	450.9	469.5	481.3	486.6	488.6	486.6	481.3	469.5	450.9	428.6
140°	434.6	453.9	472.5	483.7	489.6	490.4	489.6	483.7	472.5	453.9	434.6
142.5°	442.3	457.5	473.7	484.9	490.8	492.1	490.8	484.9	473.7	457.5	442.3
145°	456.1	465.1	476.2	486.6	491.8	493.3	491.8	486.6	476.2	465.1	456.1
147.5°	473.5	476.4	482.2	489.0	494.1	495.1	494.1	489.0	482.2	476.4	473.5
150°	486.6	485.9	488.1	492.6	497.1	496.3	497.1	492.6	488.1	485.9	486.6
152.5°	501.5	497.2	497.1	499.1	501.2	501.1	501.2	499.1	497.1	497.2	501.5
155°	526.8	518.6	514.2	512.7	512.7	511.9	512.7	512.7	514.2	518.6	526.8
157.5°	554.6	543.2	536.5	532.9	531.9	530.2	531.9	532.9	536.5	543.2	554.6
160°	573.7	561.0	554.4	548.4	546.2	543.9	546.2	548.4	554.4	561.0	573.7
162.5°	591.6	579.5	572.2	566.9	564.6	561.2	564.6	566.9	572.2	579.5	591.6
165°	620.6	607.9	599.7	595.3	592.3	589.3	592.3	595.3	599.7	607.9	620.6
167.5°	649.6	635.8	630.4	625.3	622.5	617.2	622.5	625.3	630.4	635.8	649.6
170°	667.5	654.8	651.8	647.4	642.2	636.2	642.2	647.4	651.8	654.8	667.5
172.5°	682.9	674.4	671.5	667.0	665.4	660.6	665.4	667.0	671.5	674.4	682.9
175°	705.4	698.7	698.7	698.0	695.7	691.3	695.7	698.0	698.7	698.7	705.4
177.5°	724.2	720.6	723.0	723.0	722.4	718.2	722.4	723.0	723.0	720.6	724.2
180°	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7



TEST NUMBER: P1428204

CATALOG NUMBER: SQ2W-PR1-K-050U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1110.2	1110.2	1110.2	1110.2
2.5°	1115.0	1117.7	1111.7	1105.6
5°	1119.6	1121.6	1113.1	1104.5
7.5°	1129.6	1128.6	1116.5	1104.3
10°	1134.7	1132.6	1118.0	1103.4
12.5°	1130.2	1132.0	1114.9	1097.9
15°	1113.9	1122.1	1102.0	1081.9
17.5°	1088.3	1095.6	1074.6	1053.6
20°	1071.7	1076.7	1056.1	1035.5
22.5°	1057.2	1060.4	1039.8	1019.2
25°	1032.5	1032.1	1014.0	995.9
27.5°	999.8	992.8	982.1	971.4
30°	977.8	964.7	957.6	950.6
32.5°	954.8	936.4	932.2	928.0
35°	921.2	897.7	894.1	890.6
37.5°	879.9	860.8	853.5	846.3
40°	850.6	837.8	825.7	813.7
42.5°	815.3	812.5	793.2	773.8
45°	748.0	763.0	736.8	710.7
47.5°	661.7	689.9	663.1	636.2
50°	598.7	630.6	609.0	587.3
52.5°	537.1	568.7	553.1	537.5
55°	447.4	476.7	468.6	460.6
57.5°	372.5	400.2	395.1	390.0
60°	326.3	354.5	350.9	347.4
62.5°	286.8	313.9	311.2	308.5
65°	235.4	258.5	256.0	253.5
67.5°	193.4	212.4	211.1	209.8
70°	168.6	185.5	185.0	184.5
72.5°	145.4	160.4	161.1	161.8
75°	112.4	124.9	126.4	127.9
77.5°	81.9	92.3	93.9	95.5
80°	62.6	70.7	72.7	74.7
82.5°	45.1	50.0	52.9	55.7
85°	21.5	22.1	24.6	27.2
87.5°	8.4	8.9	8.3	7.7
90°	13.4	8.2	5.2	2.2
92.5°	28.9	20.1	14.1	8.2
95°	58.0	46.1	32.7	23.1
97.5°	92.4	73.2	60.0	44.1
100°	110.9	92.3	79.6	62.5
102.5°	131.1	115.5	98.1	81.0
105°	167.4	148.1	128.0	108.6
107.5°	201.1	179.8	155.7	138.3
110°	222.5	199.4	174.1	158.5

TEST NUMBER: P1428204

CATALOG NUMBER: SQ2W-PR1-K-050U-050D-L835-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	243.3	219.7	193.8	178.1
115°	271.6	245.6	221.7	208.3
117.5°	298.8	272.0	246.9	236.3
120°	315.5	288.7	264.2	256.0
122.5°	329.2	303.0	280.2	276.8
125°	349.7	322.9	303.6	308.1
127.5°	366.4	341.8	329.6	339.6
130°	376.5	354.9	347.5	361.6
132.5°	385.4	368.6	365.4	384.8
135°	398.8	389.2	392.1	418.9
137.5°	414.8	411.0	421.0	454.8
140°	424.9	427.1	441.2	479.2
142.5°	438.6	443.8	462.1	502.4
145°	459.9	471.0	494.8	535.0
147.5°	484.0	498.4	527.9	569.1
150°	500.0	518.6	549.9	589.3
152.5°	518.5	537.7	568.9	609.0
155°	546.9	568.5	601.2	635.5
157.5°	575.9	598.0	629.2	659.1
160°	593.8	617.6	645.9	673.4
162.5°	614.0	636.1	660.8	685.3
165°	643.6	661.5	681.6	702.4
167.5°	668.5	683.4	699.2	715.4
170°	684.6	696.5	709.9	722.5
172.5°	698.3	707.8	717.6	728.5
175°	716.6	721.8	727.7	734.4
177.5°	730.7	732.5	734.3	737.3
180°	736.7	736.7	736.7	736.7



TEST NUMBER: P1428204
 CATALOG NUMBER: SQ2W-PR1-K-050U-050D-L835-UNV-STD-W-WM-4

CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	17.19	18.06	18.11	18.99	20.18	13.56	14.43	14.48	15.36	16.55
	3H	18.40	19.17	19.33	20.11	21.33	14.72	15.50	15.65	16.44	17.66
	4H	18.89	19.62	19.83	20.56	21.79	15.19	15.92	16.13	16.86	18.09
	6H	19.18	19.85	20.14	20.81	22.05	15.53	16.20	16.49	17.15	18.39
	8H	19.29	19.92	20.25	20.89	22.13	15.67	16.30	16.63	17.27	18.51
	12H	19.33	19.93	20.29	20.89	22.16	15.70	16.31	16.67	17.27	18.53
4H	2H	17.30	18.03	18.25	18.97	20.20	14.27	15.00	15.22	15.95	17.18
	3H	18.76	19.36	19.72	20.34	21.58	15.63	16.23	16.59	17.21	18.45
	4H	19.39	19.94	20.36	20.91	22.17	16.17	16.73	17.14	17.69	18.96
	6H	19.82	20.29	20.80	21.28	22.55	16.61	17.08	17.59	18.07	19.34
	8H	19.98	20.42	20.96	21.41	22.69	16.79	17.23	17.78	18.22	19.50
	12H	20.04	20.44	21.05	21.44	22.73	16.84	17.24	17.84	18.24	19.53
8H	4H	19.41	19.85	20.40	20.84	22.12	16.50	16.94	17.49	17.93	19.21
	6H	19.94	20.31	20.95	21.34	22.62	17.04	17.41	18.05	18.44	19.71
	8H	20.18	20.50	21.20	21.52	22.81	17.31	17.63	18.32	18.64	19.94
	12H	20.30	20.58	21.32	21.59	22.93	17.40	17.68	18.42	18.69	20.04
12H	4H	19.37	19.77	20.37	20.77	22.06	16.52	16.92	17.52	17.92	19.21
	6H	19.93	20.26	20.95	21.27	22.57	17.11	17.44	18.13	18.45	19.75
	8H	20.19	20.47	21.20	21.48	22.82	17.40	17.69	18.42	18.70	20.04