

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1427507

Luminaire Tested: SQ2W-BBM-K-050U-050D-L930-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427507
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-BBM-K-050U-050D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - BLACK DISCREET BAFFLE, MEDIUM 80-DEGREE OPTIC
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 500 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

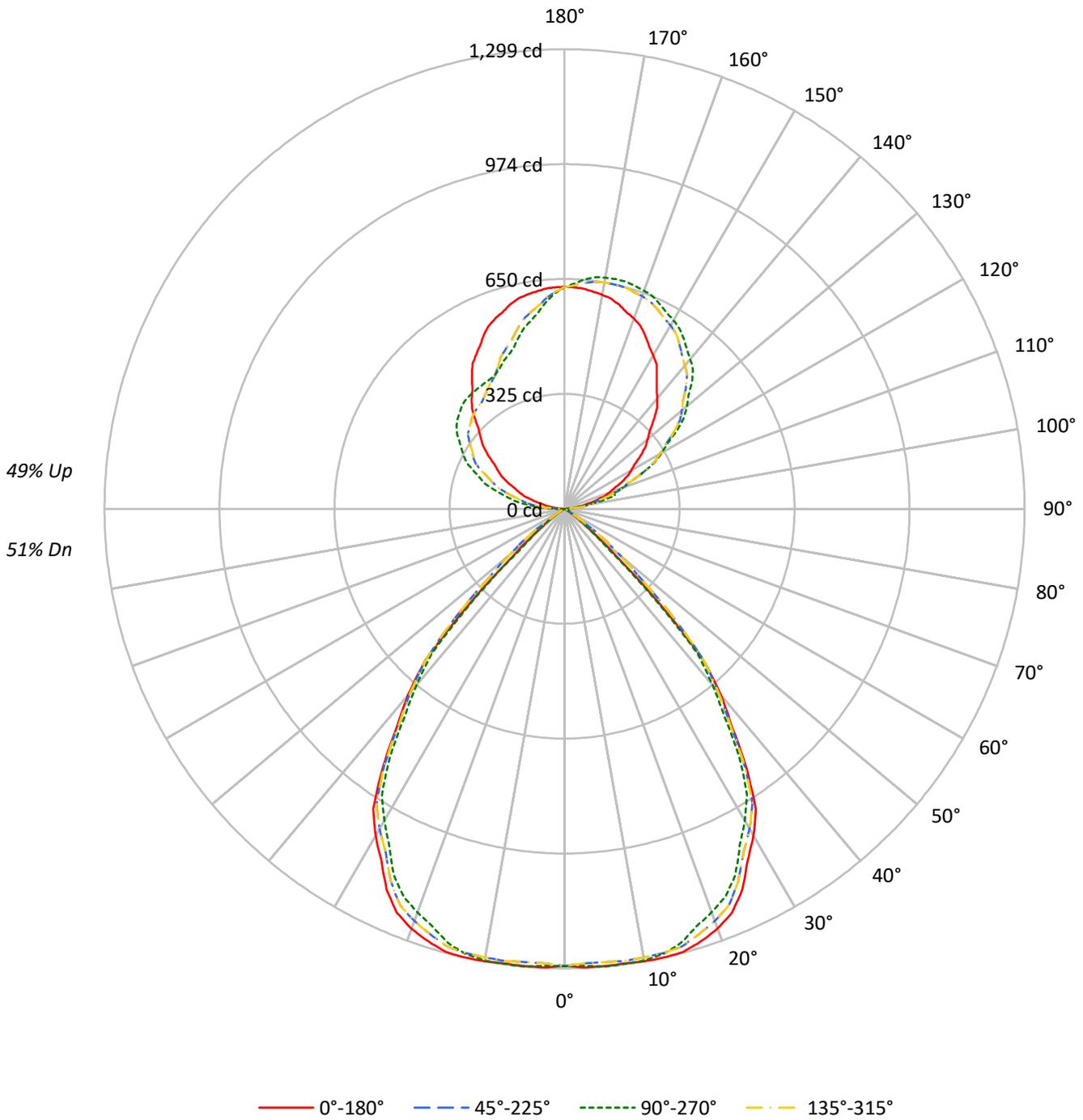
Lumens per Lamp: N/A
Luminaire Lumens: 3761.5 lumens
Efficiency: N/A
Efficacy: 114.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 33
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: SQ2W-BBM-K-050U-050D-L930-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1427507

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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	107	107	107	107	99	99	99	99	84	84	84	70	70	70	57	57	57	51				
1	100	97	93	91	93	90	87	85	77	75	73	65	64	62	54	53	52	47				
2	93	87	82	78	86	81	77	73	70	67	64	60	57	56	50	49	47	43				
3	86	78	72	67	80	73	68	64	64	60	57	55	52	50	46	45	43	39				
4	80	71	64	59	74	66	61	56	58	54	50	50	47	45	43	41	39	36				
5	74	64	57	52	69	60	54	50	53	48	45	46	43	40	40	37	36	33				
6	69	59	52	46	64	55	49	44	49	44	40	43	39	36	37	34	32	30				
7	65	54	47	42	60	51	44	40	45	40	36	39	36	33	34	32	30	27				
8	60	49	42	38	56	47	40	36	41	37	33	37	33	30	32	29	27	25				
9	56	45	39	34	53	43	37	33	38	34	30	34	30	28	30	27	25	23				
10	53	42	35	31	50	40	34	30	36	31	28	32	28	25	28	25	23	21				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	20855	20855	20855	20855
5°	21019	21052	21019	21052
10°	21283	21252	21283	21252
15°	21668	21235	21668	21235
20°	21695	20852	21695	20852
25°	21158	20330	21158	20330
30°	19891	18962	19891	18962
35°	17652	16990	17652	16990
40°	14477	13702	14477	13702
45°	8631	8101	8631	8101
50°	2695	2549	2695	2549
55°	1019	1019	1019	1019
60°	61	19	61	19
65°	0	0	0	0
70°	0	0	0	0
75°	0	0	0	0
80°	0	0	0	0
85°	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 10106 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.5	3.3
10°-20°	361.8	9.6
20°-30°	532.3	14.2
30°-40°	544.0	14.5
40°-50°	313.4	8.3
50°-60°	53.9	1.4
60°-70°	1.9	0.1
70°-80°	0.0	0.0
80°-90°	3.3	0.1
90°-100°	49.8	1.3
100°-110°	145.3	3.9
110°-120°	237.1	6.3
120°-130°	300.9	8.0
130°-140°	322.0	8.6
140°-150°	300.7	8.0
150°-160°	247.4	6.6
160°-170°	165.9	4.4
170°-180°	58.9	1.6
0°-30°	1017.6	27.1
0°-40°	1561.6	41.5
0°-60°	1928.9	51.3
0°-90°	1934.2	51.4
90°-120°	432.3	11.5
90°-150°	1355.8	36.0
90°-180°	1828.0	48.6
0°-180°	3761.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1292	1292	1292	1292	1292	
5°	1297	1299	1297	1299	1297	124
15°	1296	1270	1296	1270	1296	365
25°	1188	1141	1188	1141	1188	542
35°	896	862	896	862	896	553
45°	378	355	378	355	378	293
55°	36	36	36	36	36	38
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	2	14	2	27	2	2
95°	20	14	20	85	20	24
105°	92	148	92	204	92	98
115°	177	245	177	302	177	175
125°	262	389	262	371	262	234
135°	356	509	356	410	356	275
145°	455	587	455	419	455	285
155°	540	638	540	435	540	248
165°	597	665	597	501	597	168
175°	624	651	624	588	624	59
180°	626	626	626	626	626	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7
2.5°	1297.4	1295.8	1294.2	1290.4	1285.8	1286.1	1291.4	1295.1	1293.9	1292.8	1293.9
5°	1296.9	1295.5	1294.0	1290.0	1285.1	1286.6	1294.3	1300.0	1299.4	1298.9	1299.4
7.5°	1296.1	1295.2	1294.2	1291.4	1287.9	1289.4	1295.7	1300.2	1298.7	1297.3	1298.7
10°	1298.2	1297.9	1297.6	1293.3	1287.5	1287.9	1294.5	1299.1	1297.7	1296.3	1297.7
12.5°	1299.2	1301.0	1302.8	1296.5	1287.6	1285.7	1290.9	1294.2	1291.6	1289.0	1291.6
15°	1296.3	1301.1	1306.0	1297.1	1283.6	1277.3	1278.2	1277.9	1274.2	1270.4	1274.2
17.5°	1281.8	1288.7	1295.6	1283.8	1265.8	1255.3	1252.1	1248.4	1243.1	1237.9	1243.1
20°	1262.7	1270.7	1278.7	1265.9	1246.1	1233.4	1228.0	1222.7	1218.1	1213.6	1218.1
22.5°	1235.8	1243.1	1250.5	1238.2	1219.3	1206.4	1199.6	1193.5	1189.8	1186.2	1189.8
25°	1187.7	1192.6	1197.5	1184.9	1166.5	1154.8	1149.6	1145.2	1143.2	1141.2	1143.2
27.5°	1119.6	1121.0	1122.4	1112.4	1098.6	1088.5	1082.0	1076.6	1074.0	1071.4	1074.0
30°	1066.9	1066.9	1066.9	1059.1	1048.8	1040.2	1033.3	1026.9	1022.0	1017.1	1022.0
32.5°	1005.3	1004.7	1004.0	998.3	990.9	983.5	975.9	969.0	964.1	959.2	964.1
35°	895.6	898.8	901.9	898.0	891.7	884.8	877.3	870.6	866.3	862.0	866.3
37.5°	776.9	778.1	779.3	776.0	771.2	764.8	756.8	749.8	746.2	742.6	746.2
40°	686.9	687.2	687.5	683.5	678.0	672.4	666.7	661.0	655.5	650.1	655.5
42.5°	582.0	587.8	593.6	591.1	585.9	578.7	569.5	562.0	559.8	557.5	559.8
45°	378.0	403.6	429.1	438.6	442.6	439.4	429.1	413.9	384.3	354.8	384.3
47.5°	190.0	221.8	253.6	275.7	294.4	289.1	259.6	229.7	198.4	167.1	198.4
50°	107.3	126.2	145.2	174.7	207.7	202.3	158.3	122.7	112.1	101.5	112.1
52.5°	71.6	80.0	88.4	112.1	141.0	139.1	106.4	80.4	74.4	68.4	74.4
55°	36.2	38.5	40.8	51.3	64.5	64.2	50.4	39.6	37.9	36.2	37.9
57.5°	12.3	15.4	18.5	23.1	28.3	28.4	23.6	19.2	16.4	13.6	16.4
60°	1.9	4.8	7.7	11.4	15.4	15.0	10.1	5.8	3.2	0.6	3.2
62.5°	0.4	1.2	2.0	5.0	8.8	8.7	4.8	1.6	0.9	0.1	0.9
65°	0.0	0.0	0.0	0.2	0.5	0.5	0.2	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.4	0.9	1.5	2.0	2.4	2.5	2.5	2.7	2.8	2.8	2.8
90°	1.9	4.4	7.6	10.1	12.0	12.6	12.6	13.3	13.9	13.9	13.9
92.5°	7.0	11.0	11.1	11.1	13.5	14.7	15.7	15.8	16.4	16.4	16.4
95°	19.6	21.5	32.3	31.6	21.5	17.1	14.5	14.5	14.5	14.5	14.5
97.5°	37.4	40.2	42.0	56.3	59.4	57.4	46.8	39.3	35.2	33.3	35.2
100°	53.1	54.4	58.2	58.8	74.6	89.8	82.2	72.7	69.6	67.7	69.6
102.5°	68.8	69.6	75.4	78.0	81.7	90.3	116.6	113.7	111.6	111.2	111.6
105°	92.3	93.0	103.7	108.8	111.3	111.3	110.7	123.3	143.6	148.0	143.6
107.5°	117.5	120.4	133.1	146.6	149.5	150.3	147.0	145.1	144.3	144.8	144.3
110°	134.7	139.1	154.3	171.4	175.8	177.1	175.8	173.9	172.6	172.6	172.6



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CATALOG NUMBER: SQ2W-BBM-K-050U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	151.4	157.8	175.0	194.7	202.1	205.9	203.1	201.7	200.5	201.5	200.5
115°	177.1	186.6	209.3	229.6	244.7	246.6	246.0	246.0	245.4	245.4	245.4
117.5°	200.9	216.0	241.6	265.1	282.7	287.7	290.3	289.5	288.8	290.0	288.8
120°	217.5	235.3	264.3	290.9	308.0	315.6	318.1	316.8	318.1	316.8	318.1
122.5°	235.3	257.0	285.6	313.2	333.3	341.9	344.9	345.2	345.4	344.7	345.4
125°	261.8	288.4	321.9	350.4	371.2	381.3	383.9	384.5	385.8	388.9	385.8
127.5°	288.6	318.7	355.5	383.0	404.4	416.6	420.5	421.9	424.6	426.0	424.6
130°	307.3	341.5	378.8	404.7	425.6	438.9	445.8	447.7	450.9	450.3	450.9
132.5°	327.1	362.7	400.6	427.5	446.9	461.2	467.1	472.5	473.7	474.6	473.7
135°	356.0	394.6	432.6	459.1	477.5	491.4	499.0	504.0	507.2	509.1	507.2
137.5°	386.5	427.3	463.7	487.3	505.8	517.8	526.4	531.7	535.0	536.5	535.0
140°	407.3	446.5	481.9	506.6	523.0	535.0	542.6	548.9	552.7	552.7	552.7
142.5°	427.0	465.7	500.1	524.8	539.2	550.2	558.3	563.1	567.4	567.4	567.4
145°	454.7	493.3	524.9	549.6	561.6	571.7	580.5	584.3	586.9	586.9	586.9
147.5°	483.7	517.8	546.7	570.3	580.4	592.3	599.3	602.3	605.5	604.1	605.5
150°	500.9	532.5	560.3	582.4	592.6	603.9	610.9	613.4	616.6	614.7	616.6
152.5°	517.6	547.7	573.0	593.6	602.2	613.6	621.5	624.1	626.2	624.8	626.2
155°	540.1	566.6	590.0	609.0	616.6	627.3	634.9	638.1	640.6	637.5	640.6
157.5°	560.2	583.1	603.4	620.9	629.0	638.2	645.3	649.2	651.8	650.4	651.8
160°	572.3	593.2	611.5	628.0	635.6	643.8	651.4	655.8	658.3	656.4	658.3
162.5°	582.4	601.3	618.6	633.5	640.1	647.3	656.4	660.4	662.9	660.5	662.9
165°	597.0	612.2	627.3	640.0	645.7	651.4	660.9	665.3	667.2	664.7	667.2
167.5°	608.0	619.6	631.9	642.8	647.0	652.5	662.0	665.7	668.1	664.9	668.1
170°	614.1	624.2	634.9	643.8	647.0	652.0	661.5	664.7	666.6	663.4	666.6
172.5°	619.1	626.7	635.4	643.3	644.9	649.0	658.0	661.1	662.5	659.9	662.5
175°	624.2	628.6	634.9	640.0	639.4	641.9	649.5	652.0	654.5	650.7	654.5
177.5°	626.6	628.6	630.6	633.7	631.6	631.6	637.2	638.7	639.2	637.2	639.2
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7
2.5°	1295.1	1291.4	1286.1	1285.8	1290.4	1294.2	1295.8	1297.4	1295.8	1294.2	1290.4
5°	1300.0	1294.3	1286.6	1285.1	1290.0	1294.0	1295.5	1296.9	1295.5	1294.0	1290.0
7.5°	1300.2	1295.7	1289.4	1287.9	1291.4	1294.2	1295.2	1296.1	1295.2	1294.2	1291.4
10°	1299.1	1294.5	1287.9	1287.5	1293.3	1297.6	1297.9	1298.2	1297.9	1297.6	1293.3
12.5°	1294.2	1290.9	1285.7	1287.6	1296.5	1302.8	1301.0	1299.2	1301.0	1302.8	1296.5
15°	1277.9	1278.2	1277.3	1283.6	1297.1	1306.0	1301.1	1296.3	1301.1	1306.0	1297.1
17.5°	1248.4	1252.1	1255.3	1265.8	1283.8	1295.6	1288.7	1281.8	1288.7	1295.6	1283.8
20°	1222.7	1228.0	1233.4	1246.1	1265.9	1278.7	1270.7	1262.7	1270.7	1278.7	1265.9
22.5°	1193.5	1199.6	1206.4	1219.3	1238.2	1250.5	1243.1	1235.8	1243.1	1250.5	1238.2
25°	1145.2	1149.6	1154.8	1166.5	1184.9	1197.5	1192.6	1187.7	1192.6	1197.5	1184.9
27.5°	1076.6	1082.0	1088.5	1098.6	1112.4	1122.4	1121.0	1119.6	1121.0	1122.4	1112.4
30°	1026.9	1033.3	1040.2	1048.8	1059.1	1066.9	1066.9	1066.9	1066.9	1066.9	1059.1
32.5°	969.0	975.9	983.5	990.9	998.3	1004.0	1004.7	1005.3	1004.7	1004.0	998.3
35°	870.6	877.3	884.8	891.7	898.0	901.9	898.8	895.6	898.8	901.9	898.0
37.5°	749.8	756.8	764.8	771.2	776.0	779.3	778.1	776.9	778.1	779.3	776.0
40°	661.0	666.7	672.4	678.0	683.5	687.5	687.2	686.9	687.2	687.5	683.5
42.5°	562.0	569.5	578.7	585.9	591.1	593.6	587.8	582.0	587.8	593.6	591.1
45°	413.9	429.1	439.4	442.6	438.6	429.1	403.6	378.0	403.6	429.1	438.6
47.5°	229.7	259.6	289.1	294.4	275.7	253.6	221.8	190.0	221.8	253.6	275.7
50°	122.7	158.3	202.3	207.7	174.7	145.2	126.2	107.3	126.2	145.2	174.7
52.5°	80.4	106.4	139.1	141.0	112.1	88.4	80.0	71.6	80.0	88.4	112.1
55°	39.6	50.4	64.2	64.5	51.3	40.8	38.5	36.2	38.5	40.8	51.3
57.5°	19.2	23.6	28.4	28.3	23.1	18.5	15.4	12.3	15.4	18.5	23.1
60°	5.8	10.1	15.0	15.4	11.4	7.7	4.8	1.9	4.8	7.7	11.4
62.5°	1.6	4.8	8.7	8.8	5.0	2.0	1.2	0.4	1.2	2.0	5.0
65°	0.0	0.2	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.2
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.7	2.5	2.5	2.4	2.0	1.5	0.9	0.4	0.9	1.4	2.3
90°	13.3	12.6	12.6	12.0	10.1	7.6	4.4	1.9	4.4	7.0	11.4
92.5°	15.8	15.7	14.7	13.5	11.1	11.1	11.0	7.0	12.0	17.1	24.5
95°	14.5	14.5	17.1	21.5	31.6	32.3	21.5	19.6	27.8	39.2	49.3
97.5°	39.3	46.8	57.4	59.4	56.3	42.0	40.2	37.4	51.0	62.2	78.5
100°	72.7	82.2	89.8	74.6	58.8	58.2	54.4	53.1	67.7	78.4	94.2
102.5°	113.7	116.6	90.3	81.7	78.0	75.4	69.6	68.8	83.4	98.1	111.4
105°	123.3	110.7	111.3	111.3	108.8	103.7	93.0	92.3	108.8	125.8	142.3
107.5°	145.1	147.0	150.3	149.5	146.6	133.1	120.4	117.5	132.3	152.8	170.9
110°	173.9	175.8	177.1	175.8	171.4	154.3	139.1	134.7	148.0	169.5	189.1



TEST NUMBER: P1427507

CATALOG NUMBER: SQ2W-BBM-K-050U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	201.7	203.1	205.9	202.1	194.7	175.0	157.8	151.4	164.7	186.7	206.8
115°	246.0	246.0	246.6	244.7	229.6	209.3	186.6	177.1	188.5	208.7	230.8
117.5°	289.5	290.3	287.7	282.7	265.1	241.6	216.0	200.9	209.8	231.2	254.0
120°	316.8	318.1	315.6	308.0	290.9	264.3	235.3	217.5	224.5	245.4	268.1
122.5°	345.2	344.9	341.9	333.3	313.2	285.6	257.0	235.3	238.2	257.5	279.8
125°	384.5	383.9	381.3	371.2	350.4	321.9	288.4	261.8	258.0	274.5	297.2
127.5°	421.9	420.5	416.6	404.4	383.0	355.5	318.7	288.6	280.2	290.5	311.4
130°	447.7	445.8	438.9	425.6	404.7	378.8	341.5	307.3	295.3	301.7	320.0
132.5°	472.5	467.1	461.2	446.9	427.5	400.6	362.7	327.1	310.5	313.3	327.6
135°	504.0	499.0	491.4	477.5	459.1	432.6	394.6	356.0	333.3	330.7	339.0
137.5°	531.7	526.4	517.8	505.8	487.3	463.7	427.3	386.5	357.8	349.3	352.5
140°	548.9	542.6	535.0	523.0	506.6	481.9	446.5	407.3	375.0	363.0	361.1
142.5°	563.1	558.3	550.2	539.2	524.8	500.1	465.7	427.0	392.7	377.2	372.7
145°	584.3	580.5	571.7	561.6	549.6	524.9	493.3	454.7	420.5	400.3	390.8
147.5°	602.3	599.3	592.3	580.4	570.3	546.7	517.8	483.7	448.6	423.6	411.3
150°	613.4	610.9	603.9	592.6	582.4	560.3	532.5	500.9	467.3	440.8	425.0
152.5°	624.1	621.5	613.6	602.2	593.6	573.0	547.7	517.6	483.5	457.0	440.7
155°	638.1	634.9	627.3	616.6	609.0	590.0	566.6	540.1	511.0	483.2	464.8
157.5°	649.2	645.3	638.2	629.0	620.9	603.4	583.1	560.2	534.8	508.2	489.5
160°	655.8	651.4	643.8	635.6	628.0	611.5	593.2	572.3	548.9	524.9	504.7
162.5°	660.4	656.4	647.3	640.1	633.5	618.6	601.3	582.4	561.6	540.6	521.9
165°	665.3	660.9	651.4	645.7	640.0	627.3	612.2	597.0	579.3	562.2	547.0
167.5°	665.7	662.0	652.5	647.0	642.8	631.9	619.6	608.0	594.2	580.8	568.2
170°	664.7	661.5	652.0	647.0	643.8	634.9	624.2	614.1	603.3	591.9	581.8
172.5°	661.1	658.0	649.0	644.9	643.3	635.4	626.7	619.1	609.9	601.5	593.4
175°	652.0	649.5	641.9	639.4	640.0	634.9	628.6	624.2	618.5	613.4	609.0
177.5°	638.7	637.2	631.6	631.6	633.7	630.6	628.6	626.6	624.1	622.5	621.0
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



TEST NUMBER: P1427507

CATALOG NUMBER: SQ2W-BBM-K-050U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7	1291.7
2.5°	1285.8	1286.1	1291.4	1295.1	1293.9	1292.8	1293.9	1295.1	1291.4	1286.1	1285.8
5°	1285.1	1286.6	1294.3	1300.0	1299.4	1298.9	1299.4	1300.0	1294.3	1286.6	1285.1
7.5°	1287.9	1289.4	1295.7	1300.2	1298.7	1297.3	1298.7	1300.2	1295.7	1289.4	1287.9
10°	1287.5	1287.9	1294.5	1299.1	1297.7	1296.3	1297.7	1299.1	1294.5	1287.9	1287.5
12.5°	1287.6	1285.7	1290.9	1294.2	1291.6	1289.0	1291.6	1294.2	1290.9	1285.7	1287.6
15°	1283.6	1277.3	1278.2	1277.9	1274.2	1270.4	1274.2	1277.9	1278.2	1277.3	1283.6
17.5°	1265.8	1255.3	1252.1	1248.4	1243.1	1237.9	1243.1	1248.4	1252.1	1255.3	1265.8
20°	1246.1	1233.4	1228.0	1222.7	1218.1	1213.6	1218.1	1222.7	1228.0	1233.4	1246.1
22.5°	1219.3	1206.4	1199.6	1193.5	1189.8	1186.2	1189.8	1193.5	1199.6	1206.4	1219.3
25°	1166.5	1154.8	1149.6	1145.2	1143.2	1141.2	1143.2	1145.2	1149.6	1154.8	1166.5
27.5°	1098.6	1088.5	1082.0	1076.6	1074.0	1071.4	1074.0	1076.6	1082.0	1088.5	1098.6
30°	1048.8	1040.2	1033.3	1026.9	1022.0	1017.1	1022.0	1026.9	1033.3	1040.2	1048.8
32.5°	990.9	983.5	975.9	969.0	964.1	959.2	964.1	969.0	975.9	983.5	990.9
35°	891.7	884.8	877.3	870.6	866.3	862.0	866.3	870.6	877.3	884.8	891.7
37.5°	771.2	764.8	756.8	749.8	746.2	742.6	746.2	749.8	756.8	764.8	771.2
40°	678.0	672.4	666.7	661.0	655.5	650.1	655.5	661.0	666.7	672.4	678.0
42.5°	585.9	578.7	569.5	562.0	559.8	557.5	559.8	562.0	569.5	578.7	585.9
45°	442.6	439.4	429.1	413.9	384.3	354.8	384.3	413.9	429.1	439.4	442.6
47.5°	294.4	289.1	259.6	229.7	198.4	167.1	198.4	229.7	259.6	289.1	294.4
50°	207.7	202.3	158.3	122.7	112.1	101.5	112.1	122.7	158.3	202.3	207.7
52.5°	141.0	139.1	106.4	80.4	74.4	68.4	74.4	80.4	106.4	139.1	141.0
55°	64.5	64.2	50.4	39.6	37.9	36.2	37.9	39.6	50.4	64.2	64.5
57.5°	28.3	28.4	23.6	19.2	16.4	13.6	16.4	19.2	23.6	28.4	28.3
60°	15.4	15.0	10.1	5.8	3.2	0.6	3.2	5.8	10.1	15.0	15.4
62.5°	8.8	8.7	4.8	1.6	0.9	0.1	0.9	1.6	4.8	8.7	8.8
65°	0.5	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.9	3.8	4.7	5.2	5.7	5.4	5.7	5.2	4.7	3.8	2.9
90°	14.5	19.0	23.4	25.9	28.5	27.2	28.5	25.9	23.4	19.0	14.5
92.5°	29.2	36.7	42.1	46.7	48.7	48.4	48.7	46.7	42.1	36.7	29.2
95°	58.8	67.7	76.5	82.8	86.6	85.4	86.6	82.8	76.5	67.7	58.8
97.5°	90.7	102.6	112.4	118.4	122.2	124.7	122.2	118.4	112.4	102.6	90.7
100°	111.9	123.3	134.7	141.7	148.0	150.5	148.0	141.7	134.7	123.3	111.9
102.5°	129.1	144.1	156.5	163.9	169.2	171.8	169.2	163.9	156.5	144.1	129.1
105°	157.5	173.3	186.6	196.0	201.7	203.6	201.7	196.0	186.6	173.3	157.5
107.5°	185.8	202.1	214.4	224.9	231.8	235.9	231.8	224.9	214.4	202.1	185.8
110°	208.1	221.3	234.6	244.1	251.1	253.6	251.1	244.1	234.6	221.3	208.1



TEST NUMBER: P1427507

CATALOG NUMBER: SQ2W-BBM-K-050U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	226.8	241.6	254.9	264.3	272.3	275.9	272.3	264.3	254.9	241.6	226.8
115°	253.0	272.6	284.6	293.4	299.1	302.3	299.1	293.4	284.6	272.6	253.0
117.5°	274.7	295.2	308.4	315.2	317.8	320.1	317.8	315.2	308.4	295.2	274.7
120°	288.4	307.3	322.5	331.4	334.5	335.8	334.5	331.4	322.5	307.3	288.4
122.5°	301.0	319.0	333.7	344.5	349.7	351.0	349.7	344.5	333.7	319.0	301.0
125°	318.7	335.8	351.0	361.7	367.4	370.6	367.4	361.7	351.0	335.8	318.7
127.5°	334.2	352.6	366.5	376.3	381.8	384.4	381.8	376.3	366.5	352.6	334.2
130°	342.8	361.7	375.6	386.4	391.5	394.0	391.5	386.4	375.6	361.7	342.8
132.5°	349.3	369.3	383.7	393.5	399.0	401.6	399.0	393.5	383.7	369.3	349.3
135°	357.3	378.2	393.4	402.8	407.9	410.4	407.9	402.8	393.4	378.2	357.3
137.5°	364.3	383.2	399.0	409.0	413.6	415.2	413.6	409.0	399.0	383.2	364.3
140°	369.3	385.8	401.6	411.1	416.1	416.8	416.1	411.1	401.6	385.8	369.3
142.5°	375.9	388.8	402.6	412.1	417.1	418.3	417.1	412.1	402.6	388.8	375.9
145°	387.7	395.3	404.7	413.6	418.0	419.3	418.0	413.6	404.7	395.3	387.7
147.5°	402.5	404.9	409.8	415.6	419.9	420.8	419.9	415.6	409.8	404.9	402.5
150°	413.6	413.0	414.9	418.7	422.4	421.8	422.4	418.7	414.9	413.0	413.6
152.5°	426.2	422.6	422.4	424.2	426.0	425.9	426.0	424.2	422.4	422.6	426.2
155°	447.7	440.8	437.0	435.7	435.7	435.1	435.7	435.7	437.0	440.8	447.7
157.5°	471.4	461.7	456.0	452.9	452.0	450.7	452.0	452.9	456.0	461.7	471.4
160°	487.6	476.8	471.1	466.1	464.2	462.3	464.2	466.1	471.1	476.8	487.6
162.5°	502.8	492.5	486.3	481.8	479.9	477.0	479.9	481.8	486.3	492.5	502.8
165°	527.4	516.7	509.7	505.9	503.4	500.9	503.4	505.9	509.7	516.7	527.4
167.5°	552.1	540.3	535.8	531.5	529.1	524.5	529.1	531.5	535.8	540.3	552.1
170°	567.3	556.5	554.0	550.2	545.8	540.7	545.8	550.2	554.0	556.5	567.3
172.5°	580.4	573.2	570.7	566.9	565.5	561.4	565.5	566.9	570.7	573.2	580.4
175°	599.5	593.8	593.8	593.2	591.3	587.5	591.3	593.2	593.8	593.8	599.5
177.5°	615.5	612.4	614.4	614.4	613.9	610.4	613.9	614.4	614.4	612.4	615.5
180°	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1	626.1



TEST NUMBER: P1427507

CATALOG NUMBER: SQ2W-BBM-K-050U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1291.7	1291.7	1291.7	1291.7
2.5°	1290.4	1294.2	1295.8	1297.4
5°	1290.0	1294.0	1295.5	1296.9
7.5°	1291.4	1294.2	1295.2	1296.1
10°	1293.3	1297.6	1297.9	1298.2
12.5°	1296.5	1302.8	1301.0	1299.2
15°	1297.1	1306.0	1301.1	1296.3
17.5°	1283.8	1295.6	1288.7	1281.8
20°	1265.9	1278.7	1270.7	1262.7
22.5°	1238.2	1250.5	1243.1	1235.8
25°	1184.9	1197.5	1192.6	1187.7
27.5°	1112.4	1122.4	1121.0	1119.6
30°	1059.1	1066.9	1066.9	1066.9
32.5°	998.3	1004.0	1004.7	1005.3
35°	898.0	901.9	898.8	895.6
37.5°	776.0	779.3	778.1	776.9
40°	683.5	687.5	687.2	686.9
42.5°	591.1	593.6	587.8	582.0
45°	438.6	429.1	403.6	378.0
47.5°	275.7	253.6	221.8	190.0
50°	174.7	145.2	126.2	107.3
52.5°	112.1	88.4	80.0	71.6
55°	51.3	40.8	38.5	36.2
57.5°	23.1	18.5	15.4	12.3
60°	11.4	7.7	4.8	1.9
62.5°	5.0	2.0	1.2	0.4
65°	0.2	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0
87.5°	2.3	1.4	0.9	0.4
90°	11.4	7.0	4.4	1.9
92.5°	24.5	17.1	12.0	7.0
95°	49.3	39.2	27.8	19.6
97.5°	78.5	62.2	51.0	37.4
100°	94.2	78.4	67.7	53.1
102.5°	111.4	98.1	83.4	68.8
105°	142.3	125.8	108.8	92.3
107.5°	170.9	152.8	132.3	117.5
110°	189.1	169.5	148.0	134.7



TEST NUMBER: P1427507

CATALOG NUMBER: SQ2W-BBM-K-050U-050D-L930-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	206.8	186.7	164.7	151.4
115°	230.8	208.7	188.5	177.1
117.5°	254.0	231.2	209.8	200.9
120°	268.1	245.4	224.5	217.5
122.5°	279.8	257.5	238.2	235.3
125°	297.2	274.5	258.0	261.8
127.5°	311.4	290.5	280.2	288.6
130°	320.0	301.7	295.3	307.3
132.5°	327.6	313.3	310.5	327.1
135°	339.0	330.7	333.3	356.0
137.5°	352.5	349.3	357.8	386.5
140°	361.1	363.0	375.0	407.3
142.5°	372.7	377.2	392.7	427.0
145°	390.8	400.3	420.5	454.7
147.5°	411.3	423.6	448.6	483.7
150°	425.0	440.8	467.3	500.9
152.5°	440.7	457.0	483.5	517.6
155°	464.8	483.2	511.0	540.1
157.5°	489.5	508.2	534.8	560.2
160°	504.7	524.9	548.9	572.3
162.5°	521.9	540.6	561.6	582.4
165°	547.0	562.2	579.3	597.0
167.5°	568.2	580.8	594.2	608.0
170°	581.8	591.9	603.3	614.1
172.5°	593.4	601.5	609.9	619.1
175°	609.0	613.4	618.5	624.2
177.5°	621.0	622.5	624.1	626.6
180°	626.1	626.1	626.1	626.1



TEST NUMBER: P1427507
 CATALOG NUMBER: SQ2W-BBM-K-050U-050D-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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4H	2H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12H	4H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	8H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00