

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: P1427508

Luminaire Tested: SQ2W-BBM-K-050U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1427508
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-L935-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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

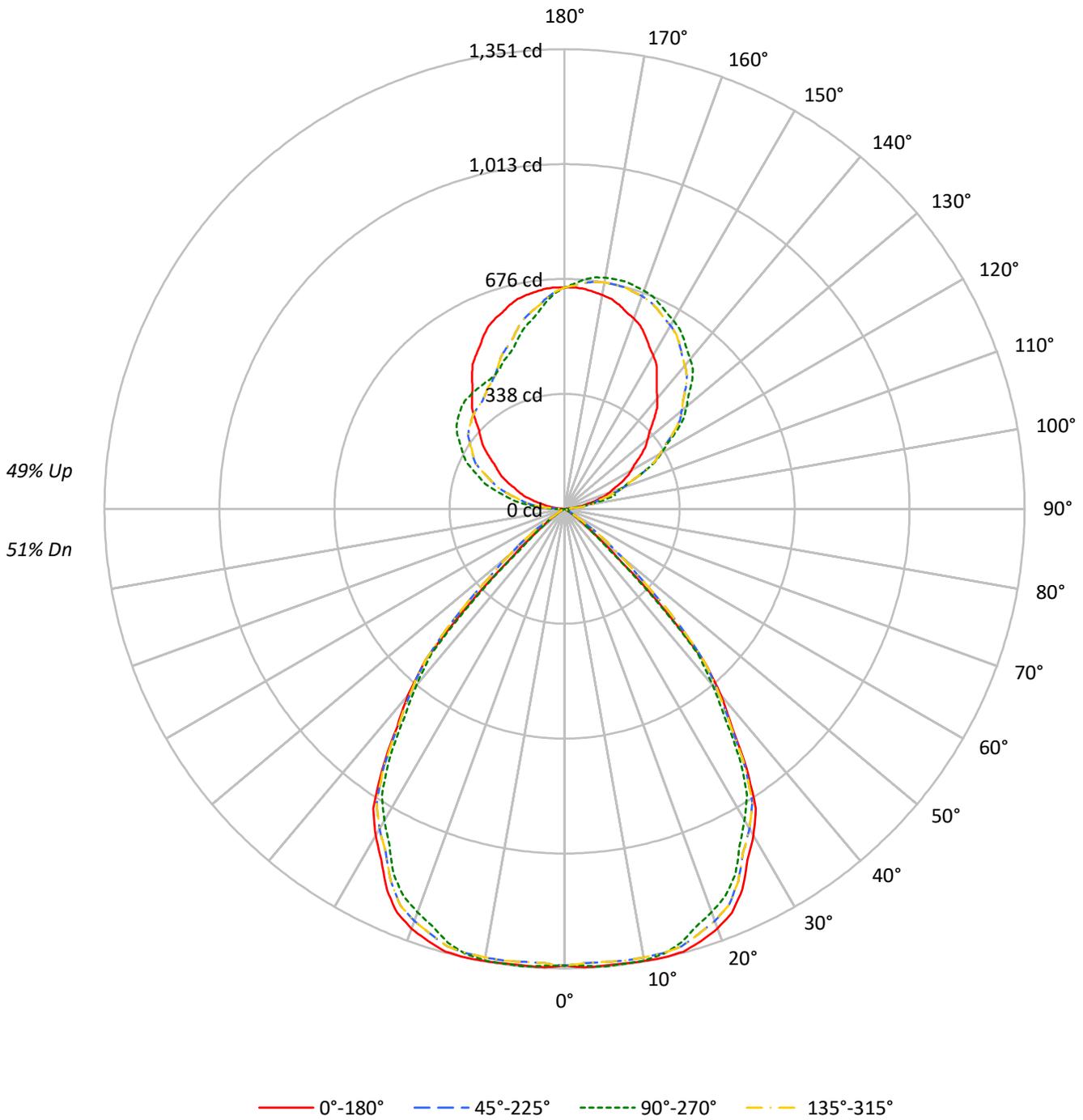
Lumens per Lamp: N/A
Luminaire Lumens: 3910.9 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.17 / 1.16
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 33
Input Voltage (V): 120
Input Current (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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CATALOG NUMBER: SQ2W-BBM-K-050U-050D-L935-UNV-STD-W-WM-4

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	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°	21685	21685	21685	21685
5°	21854	21886	21854	21886
10°	22129	22097	22129	22097
15°	22529	22079	22529	22079
20°	22556	21680	22556	21680
25°	21999	21137	21999	21137
30°	20679	19715	20679	19715
35°	18354	17666	18354	17666
40°	15053	14246	15053	14246
45°	8973	8423	8973	8423
50°	2801	2650	2801	2650
55°	1058	1058	1058	1058
60°	65	23	65	23
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: 10508 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.4	3.3
10°-20°	376.2	9.6
20°-30°	553.4	14.2
30°-40°	565.6	14.5
40°-50°	325.8	8.3
50°-60°	56.1	1.4
60°-70°	2.0	0.1
70°-80°	0.0	0.0
80°-90°	3.5	0.1
90°-100°	51.8	1.3
100°-110°	151.1	3.9
110°-120°	246.5	6.3
120°-130°	312.9	8.0
130°-140°	334.8	8.6
140°-150°	312.6	8.0
150°-160°	257.2	6.6
160°-170°	172.5	4.4
170°-180°	61.3	1.6
0°-30°	1058.0	27.1
0°-40°	1623.6	41.5
0°-60°	2005.5	51.3
0°-90°	2011.0	51.4
90°-120°	449.4	11.5
90°-150°	1409.7	36.0
90°-180°	1901.0	48.6
0°-180°	3910.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1343	1343	1343	1343	1343	
5°	1348	1350	1348	1350	1348	129
15°	1348	1321	1348	1321	1348	380
25°	1235	1186	1235	1186	1235	563
35°	931	896	931	896	931	575
45°	393	369	393	369	393	304
55°	38	38	38	38	38	40
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	28	2	2
95°	20	15	20	89	20	25
105°	96	154	96	212	96	102
115°	184	255	184	314	184	181
125°	272	404	272	385	272	244
135°	370	529	370	427	370	286
145°	473	610	473	436	473	296
155°	562	663	562	452	562	258
165°	621	691	621	521	621	175
175°	649	677	649	611	649	62
180°	651	651	651	651	651	

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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1
2.5°	1349.0	1347.3	1345.6	1341.6	1336.8	1337.2	1342.7	1346.5	1345.3	1344.1	1345.3
5°	1348.4	1346.9	1345.4	1341.3	1336.2	1337.7	1345.7	1351.6	1351.0	1350.4	1351.0
7.5°	1347.6	1346.6	1345.6	1342.6	1339.1	1340.6	1347.2	1351.8	1350.3	1348.8	1350.3
10°	1349.8	1349.5	1349.2	1344.6	1338.6	1339.1	1346.0	1350.7	1349.2	1347.8	1349.2
12.5°	1350.8	1352.7	1354.5	1348.0	1338.7	1336.8	1342.2	1345.6	1342.9	1340.2	1342.9
15°	1347.8	1352.8	1357.9	1348.6	1334.6	1328.0	1328.9	1328.6	1324.8	1320.9	1324.8
17.5°	1332.7	1339.9	1347.0	1334.8	1316.1	1305.1	1301.8	1298.0	1292.5	1287.0	1292.5
20°	1312.8	1321.2	1329.5	1316.2	1295.6	1282.4	1276.8	1271.3	1266.5	1261.8	1266.5
22.5°	1284.9	1292.5	1300.2	1287.3	1267.7	1254.3	1247.2	1240.9	1237.1	1233.3	1237.1
25°	1234.9	1240.0	1245.0	1232.0	1212.9	1200.6	1195.2	1190.7	1188.6	1186.5	1188.6
27.5°	1164.1	1165.5	1166.9	1156.5	1142.2	1131.7	1125.0	1119.3	1116.6	1113.9	1116.6
30°	1109.2	1109.2	1109.2	1101.2	1090.4	1081.5	1074.3	1067.7	1062.6	1057.5	1062.6
32.5°	1045.3	1044.6	1043.8	1037.9	1030.3	1022.5	1014.6	1007.5	1002.4	997.3	1002.4
35°	931.2	934.5	937.8	933.7	927.1	919.9	912.2	905.2	900.7	896.3	900.7
37.5°	807.7	809.0	810.2	806.8	801.9	795.2	786.8	779.6	775.9	772.1	775.9
40°	714.2	714.5	714.8	710.6	704.9	699.1	693.1	687.2	681.6	675.9	681.6
42.5°	605.1	611.1	617.1	614.6	609.1	601.6	592.1	584.3	582.0	579.7	582.0
45°	393.0	419.6	446.2	456.0	460.2	456.9	446.1	430.4	399.6	368.9	399.6
47.5°	197.5	230.6	263.7	286.6	306.1	300.6	270.0	238.8	206.3	173.7	206.3
50°	111.5	131.2	150.9	181.6	216.0	210.3	164.6	127.6	116.5	105.5	116.5
52.5°	74.4	83.2	91.9	116.6	146.6	144.7	110.7	83.6	77.4	71.1	77.4
55°	37.6	40.0	42.4	53.3	67.0	66.7	52.4	41.2	39.4	37.6	39.4
57.5°	12.8	16.0	19.2	24.1	29.4	29.6	24.5	20.0	17.0	14.1	17.0
60°	2.0	5.0	8.0	11.9	16.1	15.6	10.5	6.0	3.4	0.7	3.4
62.5°	0.4	1.2	2.1	5.2	9.2	9.1	5.0	1.7	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	1.6	2.1	2.5	2.6	2.6	2.8	2.9	2.9	2.9
90°	2.0	4.6	7.9	10.5	12.5	13.2	13.2	13.8	14.5	14.5	14.5
92.5°	7.2	11.4	11.6	11.6	14.1	15.3	16.3	16.4	17.1	17.1	17.1
95°	20.4	22.4	33.5	32.9	22.4	17.8	15.1	15.1	15.1	15.1	15.1
97.5°	38.9	41.8	43.7	58.5	61.8	59.7	48.7	40.9	36.6	34.6	36.6
100°	55.2	56.5	60.5	61.1	77.6	93.4	85.5	75.6	72.3	70.4	72.3
102.5°	71.5	72.3	78.4	81.1	85.0	93.9	121.2	118.2	116.0	115.6	116.0
105°	96.0	96.7	107.8	113.1	115.7	115.7	115.1	128.2	149.3	153.9	149.3
107.5°	122.2	125.2	138.3	152.4	155.4	156.2	152.8	150.8	150.0	150.6	150.0
110°	140.1	144.7	160.4	178.2	182.8	184.1	182.8	180.8	179.5	179.5	179.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	157.4	164.1	182.0	202.4	210.1	214.1	211.2	209.8	208.4	209.5	208.4
115°	184.1	194.0	217.6	238.7	254.5	256.4	255.8	255.8	255.1	255.1	255.1
117.5°	208.8	224.6	251.2	275.6	293.9	299.2	301.8	301.0	300.2	301.5	300.2
120°	226.2	244.6	274.8	302.5	320.2	328.1	330.7	329.4	330.7	329.4	330.7
122.5°	244.6	267.2	296.9	325.6	346.5	355.5	358.6	358.9	359.1	358.4	359.1
125°	272.2	299.8	334.7	364.3	386.0	396.5	399.1	399.8	401.1	404.4	401.1
127.5°	300.1	331.4	369.7	398.2	420.4	433.2	437.3	438.7	441.5	442.9	441.5
130°	319.6	355.1	393.9	420.8	442.5	456.3	463.6	465.5	468.8	468.2	468.8
132.5°	340.1	377.2	416.5	444.5	464.6	479.5	485.6	491.3	492.5	493.4	492.5
135°	370.2	410.3	449.7	477.4	496.4	510.9	518.8	524.0	527.3	529.3	527.3
137.5°	401.9	444.2	482.1	506.7	525.9	538.4	547.3	552.8	556.3	557.8	556.3
140°	423.4	464.2	501.0	526.7	543.8	556.3	564.2	570.7	574.7	574.7	574.7
142.5°	444.0	484.2	520.0	545.6	560.6	572.0	580.5	585.5	589.9	589.9	589.9
145°	472.8	512.9	545.7	571.4	583.9	594.4	603.6	607.6	610.2	610.2	610.2
147.5°	502.9	538.4	568.4	593.0	603.5	615.8	623.1	626.2	629.5	628.1	629.5
150°	520.8	553.6	582.6	605.6	616.1	627.9	635.2	637.8	641.1	639.1	641.1
152.5°	538.1	569.4	595.7	617.2	626.1	637.9	646.2	648.8	651.1	649.6	651.1
155°	561.5	589.1	613.5	633.2	641.1	652.3	660.2	663.4	666.1	662.8	666.1
157.5°	582.4	606.2	627.4	645.6	654.0	663.6	670.9	675.0	677.6	676.2	677.6
160°	595.1	616.8	635.8	652.9	660.8	669.4	677.3	681.9	684.5	682.5	684.5
162.5°	605.6	625.2	643.2	658.7	665.5	673.0	682.5	686.6	689.2	686.7	689.2
165°	620.7	636.5	652.3	665.4	671.3	677.3	687.1	691.7	693.7	691.1	693.7
167.5°	632.1	644.2	657.0	668.3	672.6	678.4	688.3	692.1	694.6	691.3	694.6
170°	638.5	649.0	660.2	669.4	672.6	677.9	687.8	691.1	693.0	689.7	693.0
172.5°	643.7	651.6	660.7	668.8	670.5	674.8	684.1	687.4	688.8	686.1	688.8
175°	649.0	653.6	660.2	665.4	664.8	667.4	675.3	677.9	680.5	676.6	680.5
177.5°	651.5	653.6	655.7	658.8	656.7	656.7	662.5	664.1	664.6	662.5	664.6
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1
2.5°	1346.5	1342.7	1337.2	1336.8	1341.6	1345.6	1347.3	1349.0	1347.3	1345.6	1341.6
5°	1351.6	1345.7	1337.7	1336.2	1341.3	1345.4	1346.9	1348.4	1346.9	1345.4	1341.3
7.5°	1351.8	1347.2	1340.6	1339.1	1342.6	1345.6	1346.6	1347.6	1346.6	1345.6	1342.6
10°	1350.7	1346.0	1339.1	1338.6	1344.6	1349.2	1349.5	1349.8	1349.5	1349.2	1344.6
12.5°	1345.6	1342.2	1336.8	1338.7	1348.0	1354.5	1352.7	1350.8	1352.7	1354.5	1348.0
15°	1328.6	1328.9	1328.0	1334.6	1348.6	1357.9	1352.8	1347.8	1352.8	1357.9	1348.6
17.5°	1298.0	1301.8	1305.1	1316.1	1334.8	1347.0	1339.9	1332.7	1339.9	1347.0	1334.8
20°	1271.3	1276.8	1282.4	1295.6	1316.2	1329.5	1321.2	1312.8	1321.2	1329.5	1316.2
22.5°	1240.9	1247.2	1254.3	1267.7	1287.3	1300.2	1292.5	1284.9	1292.5	1300.2	1287.3
25°	1190.7	1195.2	1200.6	1212.9	1232.0	1245.0	1240.0	1234.9	1240.0	1245.0	1232.0
27.5°	1119.3	1125.0	1131.7	1142.2	1156.5	1166.9	1165.5	1164.1	1165.5	1166.9	1156.5
30°	1067.7	1074.3	1081.5	1090.4	1101.2	1109.2	1109.2	1109.2	1109.2	1109.2	1101.2
32.5°	1007.5	1014.6	1022.5	1030.3	1037.9	1043.8	1044.6	1045.3	1044.6	1043.8	1037.9
35°	905.2	912.2	919.9	927.1	933.7	937.8	934.5	931.2	934.5	937.8	933.7
37.5°	779.6	786.8	795.2	801.9	806.8	810.2	809.0	807.7	809.0	810.2	806.8
40°	687.2	693.1	699.1	704.9	710.6	714.8	714.5	714.2	714.5	714.8	710.6
42.5°	584.3	592.1	601.6	609.1	614.6	617.1	611.1	605.1	611.1	617.1	614.6
45°	430.4	446.1	456.9	460.2	456.0	446.2	419.6	393.0	419.6	446.2	456.0
47.5°	238.8	270.0	300.6	306.1	286.6	263.7	230.6	197.5	230.6	263.7	286.6
50°	127.6	164.6	210.3	216.0	181.6	150.9	131.2	111.5	131.2	150.9	181.6
52.5°	83.6	110.7	144.7	146.6	116.6	91.9	83.2	74.4	83.2	91.9	116.6
55°	41.2	52.4	66.7	67.0	53.3	42.4	40.0	37.6	40.0	42.4	53.3
57.5°	20.0	24.5	29.6	29.4	24.1	19.2	16.0	12.8	16.0	19.2	24.1
60°	6.0	10.5	15.6	16.1	11.9	8.0	5.0	2.0	5.0	8.0	11.9
62.5°	1.7	5.0	9.1	9.2	5.2	2.1	1.2	0.4	1.2	2.1	5.2
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°	2.8	2.6	2.6	2.5	2.1	1.6	0.9	0.4	0.9	1.4	2.4
90°	13.8	13.2	13.2	12.5	10.5	7.9	4.6	2.0	4.6	7.2	11.8
92.5°	16.4	16.3	15.3	14.1	11.6	11.6	11.4	7.2	12.5	17.8	25.5
95°	15.1	15.1	17.8	22.4	32.9	33.5	22.4	20.4	28.9	40.8	51.3
97.5°	40.9	48.7	59.7	61.8	58.5	43.7	41.8	38.9	53.0	64.7	81.7
100°	75.6	85.5	93.4	77.6	61.1	60.5	56.5	55.2	70.4	81.5	98.0
102.5°	118.2	121.2	93.9	85.0	81.1	78.4	72.3	71.5	86.7	102.0	115.9
105°	128.2	115.1	115.7	115.7	113.1	107.8	96.7	96.0	113.1	130.8	147.9
107.5°	150.8	152.8	156.2	155.4	152.4	138.3	125.2	122.2	137.6	158.9	177.7
110°	180.8	182.8	184.1	182.8	178.2	160.4	144.7	140.1	153.9	176.2	196.6



TEST NUMBER: P1427508

CATALOG NUMBER: SQ2W-BBM-K-050U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	209.8	211.2	214.1	210.1	202.4	182.0	164.1	157.4	171.2	194.1	215.0
115°	255.8	255.8	256.4	254.5	238.7	217.6	194.0	184.1	195.9	217.0	240.0
117.5°	301.0	301.8	299.2	293.9	275.6	251.2	224.6	208.8	218.2	240.4	264.1
120°	329.4	330.7	328.1	320.2	302.5	274.8	244.6	226.2	233.4	255.1	278.8
122.5°	358.9	358.6	355.5	346.5	325.6	296.9	267.2	244.6	247.6	267.7	290.9
125°	399.8	399.1	396.5	386.0	364.3	334.7	299.8	272.2	268.3	285.4	309.0
127.5°	438.7	437.3	433.2	420.4	398.2	369.7	331.4	300.1	291.3	302.1	323.8
130°	465.5	463.6	456.3	442.5	420.8	393.9	355.1	319.6	307.1	313.6	332.7
132.5°	491.3	485.6	479.5	464.6	444.5	416.5	377.2	340.1	322.8	325.7	340.6
135°	524.0	518.8	510.9	496.4	477.4	449.7	410.3	370.2	346.5	343.9	352.4
137.5°	552.8	547.3	538.4	525.9	506.7	482.1	444.2	401.9	372.0	363.2	366.5
140°	570.7	564.2	556.3	543.8	526.7	501.0	464.2	423.4	389.9	377.4	375.4
142.5°	585.5	580.5	572.0	560.6	545.6	520.0	484.2	444.0	408.3	392.1	387.5
145°	607.6	603.6	594.4	583.9	571.4	545.7	512.9	472.8	437.3	416.2	406.4
147.5°	626.2	623.1	615.8	603.5	593.0	568.4	538.4	502.9	466.4	440.4	427.7
150°	637.8	635.2	627.9	616.1	605.6	582.6	553.6	520.8	485.9	458.3	441.9
152.5°	648.8	646.2	637.9	626.1	617.2	595.7	569.4	538.1	502.7	475.1	458.2
155°	663.4	660.2	652.3	641.1	633.2	613.5	589.1	561.5	531.3	502.3	483.3
157.5°	675.0	670.9	663.6	654.0	645.6	627.4	606.2	582.4	556.0	528.4	508.9
160°	681.9	677.3	669.4	660.8	652.9	635.8	616.8	595.1	570.7	545.7	524.7
162.5°	686.6	682.5	673.0	665.5	658.7	643.2	625.2	605.6	583.9	562.1	542.6
165°	691.7	687.1	677.3	671.3	665.4	652.3	636.5	620.7	602.3	584.5	568.8
167.5°	692.1	688.3	678.4	672.6	668.3	657.0	644.2	632.1	617.8	603.9	590.7
170°	691.1	687.8	677.9	672.6	669.4	660.2	649.0	638.5	627.3	615.4	604.9
172.5°	687.4	684.1	674.8	670.5	668.8	660.7	651.6	643.7	634.1	625.4	617.0
175°	677.9	675.3	667.4	664.8	665.4	660.2	653.6	649.0	643.1	637.8	633.2
177.5°	664.1	662.5	656.7	656.7	658.8	655.7	653.6	651.5	648.8	647.3	645.7
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



TEST NUMBER: P1427508

CATALOG NUMBER: SQ2W-BBM-K-050U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1	1343.1
2.5°	1336.8	1337.2	1342.7	1346.5	1345.3	1344.1	1345.3	1346.5	1342.7	1337.2	1336.8
5°	1336.2	1337.7	1345.7	1351.6	1351.0	1350.4	1351.0	1351.6	1345.7	1337.7	1336.2
7.5°	1339.1	1340.6	1347.2	1351.8	1350.3	1348.8	1350.3	1351.8	1347.2	1340.6	1339.1
10°	1338.6	1339.1	1346.0	1350.7	1349.2	1347.8	1349.2	1350.7	1346.0	1339.1	1338.6
12.5°	1338.7	1336.8	1342.2	1345.6	1342.9	1340.2	1342.9	1345.6	1342.2	1336.8	1338.7
15°	1334.6	1328.0	1328.9	1328.6	1324.8	1320.9	1324.8	1328.6	1328.9	1328.0	1334.6
17.5°	1316.1	1305.1	1301.8	1298.0	1292.5	1287.0	1292.5	1298.0	1301.8	1305.1	1316.1
20°	1295.6	1282.4	1276.8	1271.3	1266.5	1261.8	1266.5	1271.3	1276.8	1282.4	1295.6
22.5°	1267.7	1254.3	1247.2	1240.9	1237.1	1233.3	1237.1	1240.9	1247.2	1254.3	1267.7
25°	1212.9	1200.6	1195.2	1190.7	1188.6	1186.5	1188.6	1190.7	1195.2	1200.6	1212.9
27.5°	1142.2	1131.7	1125.0	1119.3	1116.6	1113.9	1116.6	1119.3	1125.0	1131.7	1142.2
30°	1090.4	1081.5	1074.3	1067.7	1062.6	1057.5	1062.6	1067.7	1074.3	1081.5	1090.4
32.5°	1030.3	1022.5	1014.6	1007.5	1002.4	997.3	1002.4	1007.5	1014.6	1022.5	1030.3
35°	927.1	919.9	912.2	905.2	900.7	896.3	900.7	905.2	912.2	919.9	927.1
37.5°	801.9	795.2	786.8	779.6	775.9	772.1	775.9	779.6	786.8	795.2	801.9
40°	704.9	699.1	693.1	687.2	681.6	675.9	681.6	687.2	693.1	699.1	704.9
42.5°	609.1	601.6	592.1	584.3	582.0	579.7	582.0	584.3	592.1	601.6	609.1
45°	460.2	456.9	446.1	430.4	399.6	368.9	399.6	430.4	446.1	456.9	460.2
47.5°	306.1	300.6	270.0	238.8	206.3	173.7	206.3	238.8	270.0	300.6	306.1
50°	216.0	210.3	164.6	127.6	116.5	105.5	116.5	127.6	164.6	210.3	216.0
52.5°	146.6	144.7	110.7	83.6	77.4	71.1	77.4	83.6	110.7	144.7	146.6
55°	67.0	66.7	52.4	41.2	39.4	37.6	39.4	41.2	52.4	66.7	67.0
57.5°	29.4	29.6	24.5	20.0	17.0	14.1	17.0	20.0	24.5	29.6	29.4
60°	16.1	15.6	10.5	6.0	3.4	0.7	3.4	6.0	10.5	15.6	16.1
62.5°	9.2	9.1	5.0	1.7	0.9	0.1	0.9	1.7	5.0	9.1	9.2
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°	3.0	3.9	4.9	5.4	5.9	5.7	5.9	5.4	4.9	3.9	3.0
90°	15.1	19.7	24.3	27.0	29.6	28.3	29.6	27.0	24.3	19.7	15.1
92.5°	30.4	38.1	43.8	48.5	50.6	50.4	50.6	48.5	43.8	38.1	30.4
95°	61.1	70.4	79.6	86.1	90.1	88.8	90.1	86.1	79.6	70.4	61.1
97.5°	94.3	106.7	116.9	123.1	127.0	129.7	127.0	123.1	116.9	106.7	94.3
100°	116.4	128.2	140.1	147.3	153.9	156.5	153.9	147.3	140.1	128.2	116.4
102.5°	134.3	149.8	162.7	170.4	176.0	178.6	176.0	170.4	162.7	149.8	134.3
105°	163.7	180.2	194.0	203.8	209.8	211.7	209.8	203.8	194.0	180.2	163.7
107.5°	193.2	210.1	222.9	233.8	241.0	245.3	241.0	233.8	222.9	210.1	193.2
110°	216.3	230.1	243.9	253.8	261.0	263.7	261.0	253.8	243.9	230.1	216.3



TEST NUMBER: P1427508

CATALOG NUMBER: SQ2W-BBM-K-050U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	235.8	251.2	265.0	274.8	283.1	286.8	283.1	274.8	265.0	251.2	235.8
115°	263.0	283.4	295.9	305.1	311.0	314.3	311.0	305.1	295.9	283.4	263.0
117.5°	285.6	306.9	320.6	327.7	330.5	332.8	330.5	327.7	320.6	306.9	285.6
120°	299.8	319.6	335.3	344.5	347.8	349.1	347.8	344.5	335.3	319.6	299.8
122.5°	313.0	331.7	346.9	358.2	363.6	364.9	363.6	358.2	346.9	331.7	313.0
125°	331.4	349.1	364.9	376.1	382.0	385.3	382.0	376.1	364.9	349.1	331.4
127.5°	347.4	366.6	381.1	391.2	397.0	399.6	397.0	391.2	381.1	366.6	347.4
130°	356.4	376.1	390.6	401.7	407.0	409.6	407.0	401.7	390.6	376.1	356.4
132.5°	363.2	384.0	399.0	409.1	414.9	417.5	414.9	409.1	399.0	384.0	363.2
135°	371.5	393.2	409.0	418.8	424.1	426.7	424.1	418.8	409.0	393.2	371.5
137.5°	378.7	398.5	414.9	425.3	430.0	431.7	430.0	425.3	414.9	398.5	378.7
140°	384.0	401.1	417.5	427.4	432.7	433.3	432.7	427.4	401.1	384.0	384.0
142.5°	390.8	404.2	418.6	428.4	433.7	434.9	433.7	428.4	418.6	404.2	390.8
145°	403.1	411.0	420.8	430.0	434.6	435.9	434.6	430.0	420.8	411.0	403.1
147.5°	418.4	420.9	426.1	432.1	436.6	437.5	436.6	432.1	426.1	420.9	418.4
150°	430.0	429.4	431.3	435.3	439.2	438.6	439.2	435.3	431.3	429.4	430.0
152.5°	443.2	439.4	439.2	441.1	442.9	442.8	442.9	441.1	439.2	439.4	443.2
155°	465.5	458.3	454.3	453.0	453.0	452.4	453.0	453.0	454.3	458.3	465.5
157.5°	490.1	480.0	474.1	470.9	470.0	468.6	470.0	470.9	474.1	480.0	490.1
160°	507.0	495.8	489.9	484.6	482.6	480.7	482.6	484.6	489.9	495.8	507.0
162.5°	522.7	512.1	505.6	500.9	498.9	495.9	498.9	500.9	505.6	512.1	522.7
165°	548.4	537.2	530.0	526.0	523.4	520.8	523.4	526.0	530.0	537.2	548.4
167.5°	574.0	561.8	557.1	552.6	550.1	545.4	550.1	552.6	557.1	561.8	574.0
170°	589.8	578.6	576.0	572.0	567.4	562.2	567.4	572.0	576.0	578.6	589.8
172.5°	603.5	596.0	593.4	589.4	588.0	583.8	588.0	589.4	593.4	596.0	603.5
175°	623.3	617.4	617.4	616.8	614.8	610.8	614.8	616.8	617.4	617.4	623.3
177.5°	639.9	636.7	638.9	638.9	638.3	634.6	638.3	638.9	638.9	636.7	639.9
180°	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9	650.9



TEST NUMBER: P1427508

CATALOG NUMBER: SQ2W-BBM-K-050U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1343.1	1343.1	1343.1	1343.1
2.5°	1341.6	1345.6	1347.3	1349.0
5°	1341.3	1345.4	1346.9	1348.4
7.5°	1342.6	1345.6	1346.6	1347.6
10°	1344.6	1349.2	1349.5	1349.8
12.5°	1348.0	1354.5	1352.7	1350.8
15°	1348.6	1357.9	1352.8	1347.8
17.5°	1334.8	1347.0	1339.9	1332.7
20°	1316.2	1329.5	1321.2	1312.8
22.5°	1287.3	1300.2	1292.5	1284.9
25°	1232.0	1245.0	1240.0	1234.9
27.5°	1156.5	1166.9	1165.5	1164.1
30°	1101.2	1109.2	1109.2	1109.2
32.5°	1037.9	1043.8	1044.6	1045.3
35°	933.7	937.8	934.5	931.2
37.5°	806.8	810.2	809.0	807.7
40°	710.6	714.8	714.5	714.2
42.5°	614.6	617.1	611.1	605.1
45°	456.0	446.2	419.6	393.0
47.5°	286.6	263.7	230.6	197.5
50°	181.6	150.9	131.2	111.5
52.5°	116.6	91.9	83.2	74.4
55°	53.3	42.4	40.0	37.6
57.5°	24.1	19.2	16.0	12.8
60°	11.9	8.0	5.0	2.0
62.5°	5.2	2.1	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°	2.4	1.4	0.9	0.4
90°	11.8	7.2	4.6	2.0
92.5°	25.5	17.8	12.5	7.2
95°	51.3	40.8	28.9	20.4
97.5°	81.7	64.7	53.0	38.9
100°	98.0	81.5	70.4	55.2
102.5°	115.9	102.0	86.7	71.5
105°	147.9	130.8	113.1	96.0
107.5°	177.7	158.9	137.6	122.2
110°	196.6	176.2	153.9	140.1

TEST NUMBER: P1427508

CATALOG NUMBER: SQ2W-BBM-K-050U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	215.0	194.1	171.2	157.4
115°	240.0	217.0	195.9	184.1
117.5°	264.1	240.4	218.2	208.8
120°	278.8	255.1	233.4	226.2
122.5°	290.9	267.7	247.6	244.6
125°	309.0	285.4	268.3	272.2
127.5°	323.8	302.1	291.3	300.1
130°	332.7	313.6	307.1	319.6
132.5°	340.6	325.7	322.8	340.1
135°	352.4	343.9	346.5	370.2
137.5°	366.5	363.2	372.0	401.9
140°	375.4	377.4	389.9	423.4
142.5°	387.5	392.1	408.3	444.0
145°	406.4	416.2	437.3	472.8
147.5°	427.7	440.4	466.4	502.9
150°	441.9	458.3	485.9	520.8
152.5°	458.2	475.1	502.7	538.1
155°	483.3	502.3	531.3	561.5
157.5°	508.9	528.4	556.0	582.4
160°	524.7	545.7	570.7	595.1
162.5°	542.6	562.1	583.9	605.6
165°	568.8	584.5	602.3	620.7
167.5°	590.7	603.9	617.8	632.1
170°	604.9	615.4	627.3	638.5
172.5°	617.0	625.4	634.1	643.7
175°	633.2	637.8	643.1	649.0
177.5°	645.7	647.3	648.8	651.5
180°	650.9	650.9	650.9	650.9



TEST NUMBER: P1427508
 CATALOG NUMBER: SQ2W-BBM-K-050U-050D-L935-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