

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: P1428515

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

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428515
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G3-2104-222-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-WBM-K-050U-050D-L930-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - WHITE 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

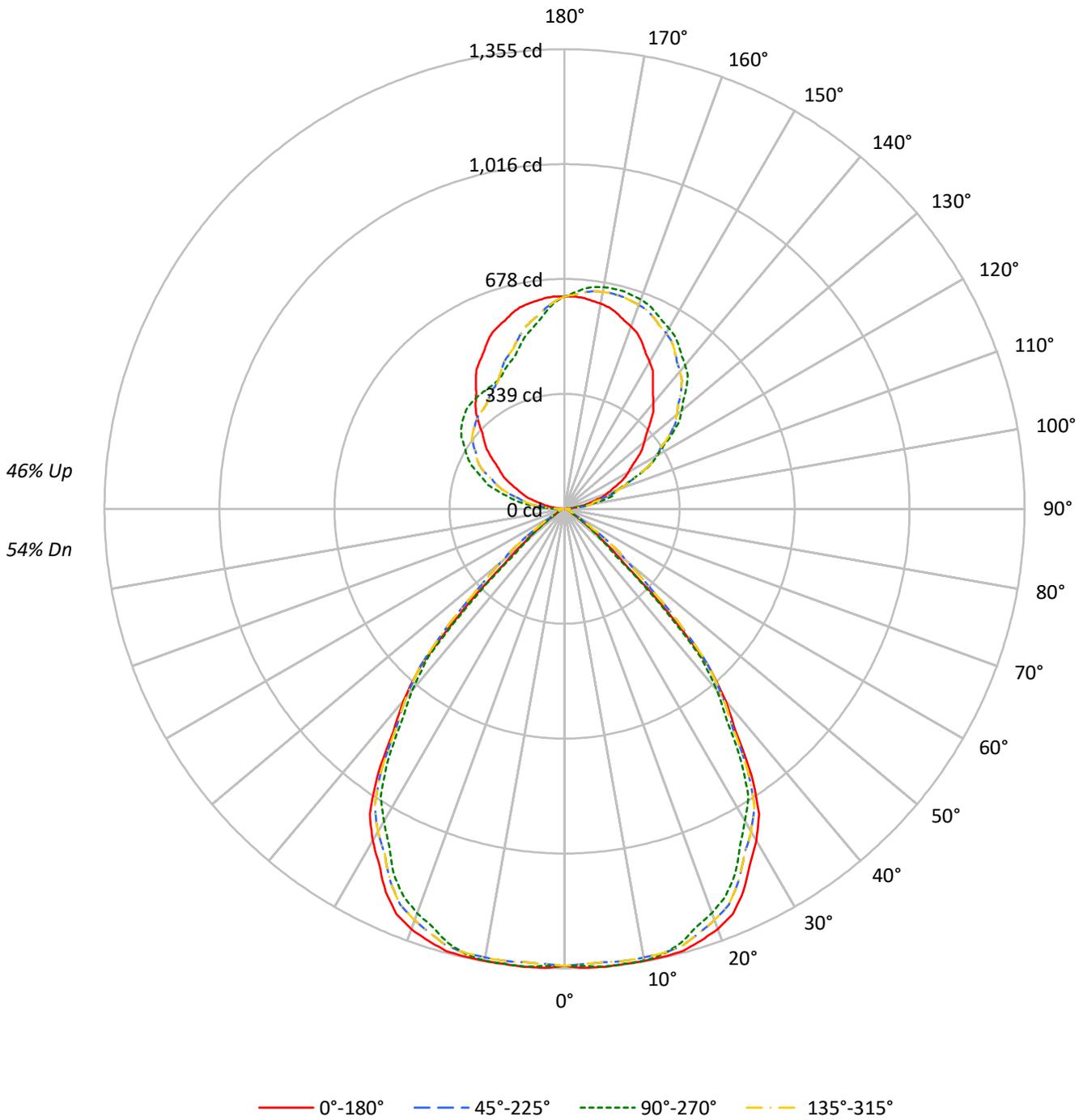
Lumens per Lamp: N/A
Luminaire Lumens: 3939.2 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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-WBM-K-050U-050D-L930-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	50	30	10	0	
RCR																						
0	108	108	108	108	100	100	100	100	85	85	85	72	72	72	59	59	59	54				
1	100	97	94	91	93	90	87	85	78	76	74	66	65	64	55	55	54	49				
2	93	87	82	78	86	81	77	73	70	67	65	61	58	56	51	50	49	44				
3	86	78	72	67	80	73	68	64	64	60	57	55	53	50	47	45	44	40				
4	80	71	64	59	75	67	61	56	58	54	50	51	48	45	44	42	40	36				
5	74	64	57	52	69	60	54	50	53	49	45	47	43	40	41	38	36	33				
6	69	59	51	46	65	55	49	44	49	44	40	43	39	36	38	35	33	30				
7	65	54	46	41	60	51	44	40	45	40	36	40	36	33	35	32	30	27				
8	60	49	42	37	56	47	40	36	42	37	33	37	33	30	32	30	27	25				
9	56	45	38	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°	21764	21764	21764	21764
5°	21962	21953	21962	21953
10°	22185	22174	22185	22174
15°	22554	22154	22554	22154
20°	22661	21795	22661	21795
25°	22195	21183	22195	21183
30°	21059	19807	21059	19807
35°	18939	17871	18939	17871
40°	15527	14709	15527	14709
45°	9709	9120	9709	9120
50°	3798	3474	3798	3474
55°	1875	1855	1875	1855
60°	875	794	875	794
65°	791	741	791	741
70°	765	732	765	732
75°	767	686	767	686
80°	725	660	725	660
85°	722	593	722	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°
 Vertical Angle: 45°
 Luminance: 11051 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.9	3.3
10°-20°	376.9	9.6
20°-30°	557.2	14.1
30°-40°	576.5	14.6
40°-50°	346.8	8.8
50°-60°	82.9	2.1
60°-70°	22.7	0.6
70°-80°	12.7	0.3
80°-90°	6.6	0.2
90°-100°	49.8	1.3
100°-110°	145.3	3.7
110°-120°	237.1	6.0
120°-130°	300.9	7.6
130°-140°	322.0	8.2
140°-150°	300.7	7.6
150°-160°	247.4	6.3
160°-170°	165.9	4.2
170°-180°	58.9	1.5
0°-30°	1063.0	27.0
0°-40°	1639.5	41.6
0°-60°	2069.2	52.5
0°-90°	2111.2	53.6
90°-120°	432.3	11.0
90°-150°	1355.8	34.4
90°-180°	1828.0	46.4
0°-180°	3939.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1348	1348	1348	1348	1348	
5°	1355	1354	1355	1354	1355	129
15°	1349	1325	1349	1325	1349	380
25°	1246	1189	1246	1189	1246	570
35°	961	907	961	907	961	590
45°	425	399	425	399	425	329
55°	67	66	67	66	67	67
65°	21	19	21	19	21	21
75°	12	11	12	11	12	13
85°	4	3	4	3	4	4
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°	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0
2.5°	1354.7	1353.1	1351.5	1347.5	1342.7	1342.8	1347.9	1351.4	1350.2	1349.1	1350.2
5°	1355.1	1353.1	1351.1	1346.5	1341.1	1342.4	1350.4	1356.2	1355.3	1354.5	1355.3
7.5°	1353.7	1352.9	1352.0	1348.6	1344.4	1345.4	1351.5	1355.7	1354.4	1353.1	1354.4
10°	1353.2	1353.5	1353.8	1349.3	1343.3	1343.4	1349.7	1354.3	1353.4	1352.5	1353.4
12.5°	1352.7	1355.0	1357.4	1351.4	1342.6	1340.7	1345.6	1348.8	1346.8	1344.8	1346.8
15°	1349.3	1353.9	1358.5	1350.4	1338.0	1331.9	1331.9	1331.2	1328.3	1325.4	1328.3
17.5°	1335.0	1340.4	1345.9	1334.9	1318.4	1307.9	1303.5	1299.3	1295.8	1292.3	1295.8
20°	1318.9	1324.4	1329.9	1316.8	1297.5	1284.3	1277.2	1271.4	1270.0	1268.5	1270.0
22.5°	1293.6	1299.5	1305.4	1291.5	1270.8	1256.6	1248.7	1242.2	1239.9	1237.5	1239.9
25°	1245.9	1250.5	1255.1	1240.5	1219.6	1206.2	1200.5	1195.4	1192.2	1189.1	1192.2
27.5°	1182.3	1184.9	1187.4	1173.3	1153.6	1140.5	1134.0	1128.0	1123.6	1119.3	1123.6
30°	1129.6	1130.7	1131.9	1120.6	1105.0	1093.0	1084.4	1076.2	1069.3	1062.4	1069.3
32.5°	1067.0	1068.2	1069.3	1059.4	1045.7	1034.8	1026.6	1019.1	1013.6	1008.1	1013.6
35°	960.9	960.4	959.8	953.4	945.1	936.2	926.7	918.1	912.4	906.7	912.4
37.5°	828.2	829.0	829.8	825.1	818.5	811.4	803.9	796.9	791.1	785.3	791.1
40°	736.7	737.3	737.8	733.9	728.4	720.3	709.3	700.8	699.4	697.9	699.4
42.5°	625.0	633.6	642.3	638.8	631.2	623.3	614.9	606.9	600.2	593.5	600.2
45°	425.2	451.4	477.5	484.0	484.0	479.0	468.9	454.5	426.9	399.4	426.9
47.5°	240.1	269.9	299.6	319.2	335.3	328.5	298.6	267.8	234.3	200.8	234.3
50°	151.2	171.3	191.4	216.5	243.2	235.9	194.5	160.7	149.5	138.3	149.5
52.5°	107.3	117.5	127.7	151.3	179.4	176.0	141.1	113.4	107.5	101.6	107.5
55°	66.6	70.3	74.0	85.5	99.6	98.7	82.9	70.5	68.2	65.9	68.2
57.5°	39.5	43.4	47.2	52.3	57.9	57.9	52.3	47.3	43.7	40.1	43.7
60°	27.1	30.3	33.5	37.7	42.3	41.7	36.0	30.9	27.7	24.6	27.7
62.5°	23.5	24.8	26.2	29.4	33.3	33.0	28.4	24.7	23.6	22.5	23.6
65°	20.7	21.0	21.3	21.5	21.8	21.7	21.1	20.5	20.0	19.4	20.0
67.5°	18.2	18.5	18.8	18.7	18.5	18.3	18.3	18.1	17.6	17.1	17.6
70°	16.2	16.4	16.7	16.8	16.8	16.7	16.4	16.1	15.8	15.5	15.8
72.5°	14.6	14.9	15.2	15.1	14.8	14.7	14.6	14.5	14.0	13.4	14.0
75°	12.3	12.3	12.3	12.3	12.3	12.1	11.8	11.6	11.3	11.0	11.3
77.5°	9.3	9.6	9.9	9.7	9.4	9.3	9.3	9.2	8.9	8.7	8.9
80°	7.8	8.0	8.3	8.2	7.9	7.8	7.8	7.7	7.4	7.1	7.4
82.5°	6.2	6.3	6.3	6.3	6.2	6.2	6.2	6.1	5.8	5.6	5.8
85°	3.9	3.9	3.9	3.7	3.4	3.2	3.2	3.2	3.2	3.2	3.2
87.5°	1.4	2.1	3.0	3.4	3.6	3.6	3.6	3.7	3.8	3.8	3.8
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-WBM-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°	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0
2.5°	1351.4	1347.9	1342.8	1342.7	1347.5	1351.5	1353.1	1354.7	1353.1	1351.5	1347.5
5°	1356.2	1350.4	1342.4	1341.1	1346.5	1351.1	1353.1	1355.1	1353.1	1351.1	1346.5
7.5°	1355.7	1351.5	1345.4	1344.4	1348.6	1352.0	1352.9	1353.7	1352.9	1352.0	1348.6
10°	1354.3	1349.7	1343.4	1343.3	1349.3	1353.8	1353.5	1353.2	1353.5	1353.8	1349.3
12.5°	1348.8	1345.6	1340.7	1342.6	1351.4	1357.4	1355.0	1352.7	1355.0	1357.4	1351.4
15°	1331.2	1331.9	1331.9	1338.0	1350.4	1358.5	1353.9	1349.3	1353.9	1358.5	1350.4
17.5°	1299.3	1303.5	1307.9	1318.4	1334.9	1345.9	1340.4	1335.0	1340.4	1345.9	1334.9
20°	1271.4	1277.2	1284.3	1297.5	1316.8	1329.9	1324.4	1318.9	1324.4	1329.9	1316.8
22.5°	1242.2	1248.7	1256.6	1270.8	1291.5	1305.4	1299.5	1293.6	1299.5	1305.4	1291.5
25°	1195.4	1200.5	1206.2	1219.6	1240.5	1255.1	1250.5	1245.9	1250.5	1255.1	1240.5
27.5°	1128.0	1134.0	1140.5	1153.6	1173.3	1187.4	1184.9	1182.3	1184.9	1187.4	1173.3
30°	1076.2	1084.4	1093.0	1105.0	1120.6	1131.9	1130.7	1129.6	1130.7	1131.9	1120.6
32.5°	1019.1	1026.6	1034.8	1045.7	1059.4	1069.3	1068.2	1067.0	1068.2	1069.3	1059.4
35°	918.1	926.7	936.2	945.1	953.4	959.8	960.4	960.9	960.4	959.8	953.4
37.5°	796.9	803.9	811.4	818.5	825.1	829.8	829.0	828.2	829.0	829.8	825.1
40°	700.8	709.3	720.3	728.4	733.9	737.8	737.3	736.7	737.3	737.8	733.9
42.5°	606.9	614.9	623.3	631.2	638.8	642.3	633.6	625.0	633.6	642.3	638.8
45°	454.5	468.9	479.0	484.0	484.0	477.5	451.4	425.2	451.4	477.5	484.0
47.5°	267.8	298.6	328.5	335.3	319.2	299.6	269.9	240.1	269.9	299.6	319.2
50°	160.7	194.5	235.9	243.2	216.5	191.4	171.3	151.2	171.3	191.4	216.5
52.5°	113.4	141.1	176.0	179.4	151.3	127.7	117.5	107.3	117.5	127.7	151.3
55°	70.5	82.9	98.7	99.6	85.5	74.0	70.3	66.6	70.3	74.0	85.5
57.5°	47.3	52.3	57.9	57.9	52.3	47.2	43.4	39.5	43.4	47.2	52.3
60°	30.9	36.0	41.7	42.3	37.7	33.5	30.3	27.1	30.3	33.5	37.7
62.5°	24.7	28.4	33.0	33.3	29.4	26.2	24.8	23.5	24.8	26.2	29.4
65°	20.5	21.1	21.7	21.8	21.5	21.3	21.0	20.7	21.0	21.3	21.5
67.5°	18.1	18.3	18.3	18.5	18.7	18.8	18.5	18.2	18.5	18.8	18.7
70°	16.1	16.4	16.7	16.8	16.8	16.7	16.4	16.2	16.4	16.7	16.8
72.5°	14.5	14.6	14.7	14.8	15.1	15.2	14.9	14.6	14.9	15.2	15.1
75°	11.6	11.8	12.1	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
77.5°	9.2	9.3	9.3	9.4	9.7	9.9	9.6	9.3	9.6	9.9	9.7
80°	7.7	7.8	7.8	7.9	8.2	8.3	8.0	7.8	8.0	8.3	8.2
82.5°	6.1	6.2	6.2	6.2	6.3	6.3	6.3	6.2	6.3	6.3	6.3
85°	3.2	3.2	3.2	3.4	3.7	3.9	3.9	3.9	3.9	3.9	3.7
87.5°	3.7	3.6	3.6	3.6	3.4	3.0	2.1	1.4	2.1	2.9	3.7
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: P1428515

CATALOG NUMBER: SQ2W-WBM-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: P1428515

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

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0	1348.0
2.5°	1342.7	1342.8	1347.9	1351.4	1350.2	1349.1	1350.2	1351.4	1347.9	1342.8	1342.7
5°	1341.1	1342.4	1350.4	1356.2	1355.3	1354.5	1355.3	1356.2	1350.4	1342.4	1341.1
7.5°	1344.4	1345.4	1351.5	1355.7	1354.4	1353.1	1354.4	1355.7	1351.5	1345.4	1344.4
10°	1343.3	1343.4	1349.7	1354.3	1353.4	1352.5	1353.4	1354.3	1349.7	1343.4	1343.3
12.5°	1342.6	1340.7	1345.6	1348.8	1346.8	1344.8	1346.8	1348.8	1345.6	1340.7	1342.6
15°	1338.0	1331.9	1331.9	1331.2	1328.3	1325.4	1328.3	1331.2	1331.9	1331.9	1338.0
17.5°	1318.4	1307.9	1303.5	1299.3	1295.8	1292.3	1295.8	1299.3	1303.5	1307.9	1318.4
20°	1297.5	1284.3	1277.2	1271.4	1270.0	1268.5	1270.0	1271.4	1277.2	1284.3	1297.5
22.5°	1270.8	1256.6	1248.7	1242.2	1239.9	1237.5	1239.9	1242.2	1248.7	1256.6	1270.8
25°	1219.6	1206.2	1200.5	1195.4	1192.2	1189.1	1192.2	1195.4	1200.5	1206.2	1219.6
27.5°	1153.6	1140.5	1134.0	1128.0	1123.6	1119.3	1123.6	1128.0	1134.0	1140.5	1153.6
30°	1105.0	1093.0	1084.4	1076.2	1069.3	1062.4	1069.3	1076.2	1084.4	1093.0	1105.0
32.5°	1045.7	1034.8	1026.6	1019.1	1013.6	1008.1	1013.6	1019.1	1026.6	1034.8	1045.7
35°	945.1	936.2	926.7	918.1	912.4	906.7	912.4	918.1	926.7	936.2	945.1
37.5°	818.5	811.4	803.9	796.9	791.1	785.3	791.1	796.9	803.9	811.4	818.5
40°	728.4	720.3	709.3	700.8	699.4	697.9	699.4	700.8	709.3	720.3	728.4
42.5°	631.2	623.3	614.9	606.9	600.2	593.5	600.2	606.9	614.9	623.3	631.2
45°	484.0	479.0	468.9	454.5	426.9	399.4	426.9	454.5	468.9	479.0	484.0
47.5°	335.3	328.5	298.6	267.8	234.3	200.8	234.3	267.8	298.6	328.5	335.3
50°	243.2	235.9	194.5	160.7	149.5	138.3	149.5	160.7	194.5	235.9	243.2
52.5°	179.4	176.0	141.1	113.4	107.5	101.6	107.5	113.4	141.1	176.0	179.4
55°	99.6	98.7	82.9	70.5	68.2	65.9	68.2	70.5	82.9	98.7	99.6
57.5°	57.9	57.9	52.3	47.3	43.7	40.1	43.7	47.3	52.3	57.9	57.9
60°	42.3	41.7	36.0	30.9	27.7	24.6	27.7	30.9	36.0	41.7	42.3
62.5°	33.3	33.0	28.4	24.7	23.6	22.5	23.6	24.7	28.4	33.0	33.3
65°	21.8	21.7	21.1	20.5	20.0	19.4	20.0	20.5	21.1	21.7	21.8
67.5°	18.5	18.3	18.3	18.1	17.6	17.1	17.6	18.1	18.3	18.3	18.5
70°	16.8	16.7	16.4	16.1	15.8	15.5	15.8	16.1	16.4	16.7	16.8
72.5°	14.8	14.7	14.6	14.5	14.0	13.4	14.0	14.5	14.6	14.7	14.8
75°	12.3	12.1	11.8	11.6	11.3	11.0	11.3	11.6	11.8	12.1	12.3
77.5°	9.4	9.3	9.3	9.2	8.9	8.7	8.9	9.2	9.3	9.3	9.4
80°	7.9	7.8	7.8	7.7	7.4	7.1	7.4	7.7	7.8	7.8	7.9
82.5°	6.2	6.2	6.2	6.1	5.8	5.6	5.8	6.1	6.2	6.2	6.2
85°	3.4	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.4
87.5°	4.1	4.8	5.7	6.2	6.7	6.5	6.7	6.2	5.7	4.8	4.1
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: P1428515

CATALOG NUMBER: SQ2W-WBM-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: P1428515

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

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1348.0	1348.0	1348.0	1348.0
2.5°	1347.5	1351.5	1353.1	1354.7
5°	1346.5	1351.1	1353.1	1355.1
7.5°	1348.6	1352.0	1352.9	1353.7
10°	1349.3	1353.8	1353.5	1353.2
12.5°	1351.4	1357.4	1355.0	1352.7
15°	1350.4	1358.5	1353.9	1349.3
17.5°	1334.9	1345.9	1340.4	1335.0
20°	1316.8	1329.9	1324.4	1318.9
22.5°	1291.5	1305.4	1299.5	1293.6
25°	1240.5	1255.1	1250.5	1245.9
27.5°	1173.3	1187.4	1184.9	1182.3
30°	1120.6	1131.9	1130.7	1129.6
32.5°	1059.4	1069.3	1068.2	1067.0
35°	953.4	959.8	960.4	960.9
37.5°	825.1	829.8	829.0	828.2
40°	733.9	737.8	737.3	736.7
42.5°	638.8	642.3	633.6	625.0
45°	484.0	477.5	451.4	425.2
47.5°	319.2	299.6	269.9	240.1
50°	216.5	191.4	171.3	151.2
52.5°	151.3	127.7	117.5	107.3
55°	85.5	74.0	70.3	66.6
57.5°	52.3	47.2	43.4	39.5
60°	37.7	33.5	30.3	27.1
62.5°	29.4	26.2	24.8	23.5
65°	21.5	21.3	21.0	20.7
67.5°	18.7	18.8	18.5	18.2
70°	16.8	16.7	16.4	16.2
72.5°	15.1	15.2	14.9	14.6
75°	12.3	12.3	12.3	12.3
77.5°	9.7	9.9	9.6	9.3
80°	8.2	8.3	8.0	7.8
82.5°	6.3	6.3	6.3	6.2
85°	3.7	3.9	3.9	3.9
87.5°	3.7	2.9	2.1	1.4
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: P1428515

CATALOG NUMBER: SQ2W-WBM-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: P1428515
 CATALOG NUMBER: SQ2W-WBM-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	2.96	3.70	3.92	4.65	5.88	2.95	3.69	3.91	4.64	5.87
	3H	3.65	4.31	4.62	5.27	6.52	3.58	4.23	4.55	5.19	6.45
	4H	4.02	4.63	5.00	5.60	6.86	3.88	4.50	4.87	5.46	6.73
	6H	4.29	4.85	5.28	5.82	7.10	4.11	4.68	5.11	5.65	6.92
	8H	4.41	4.94	5.40	5.93	7.20	4.21	4.75	5.21	5.73	7.00
	12H	4.48	4.99	5.49	5.97	7.27	4.26	4.77	5.26	5.75	7.04
4H	2H	3.06	3.67	4.05	4.64	5.90	3.05	3.66	4.04	4.63	5.89
	3H	4.00	4.50	4.99	5.50	6.77	3.92	4.42	4.91	5.42	6.70
	4H	4.50	4.97	5.51	5.95	7.26	4.36	4.82	5.36	5.81	7.11
	6H	4.93	5.33	5.95	6.34	7.64	4.74	5.13	5.75	6.14	7.44
	8H	5.12	5.49	6.13	6.49	7.80	4.90	5.27	5.91	6.27	7.58
	12H	5.25	5.58	6.28	6.60	7.91	4.99	5.32	6.02	6.34	7.65
8H	4H	4.62	4.99	5.63	5.99	7.30	4.49	4.86	5.50	5.86	7.17
	6H	5.20	5.50	6.23	6.54	7.85	5.01	5.31	6.05	6.36	7.67
	8H	5.49	5.75	6.53	6.79	8.11	5.27	5.54	6.32	6.57	7.90
	12H	5.71	5.94	6.75	6.96	8.34	5.44	5.67	6.48	6.70	8.07
12H	4H	4.60	4.93	5.63	5.95	7.26	4.47	4.80	5.50	5.82	7.14
	6H	5.23	5.50	6.28	6.53	7.86	5.05	5.32	6.10	6.35	7.68
	8H	5.56	5.79	6.60	6.82	8.19	5.35	5.59	6.40	6.61	7.99