

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: P1428528

Luminaire Tested: SQ2W-WBM-K-075U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428528
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-075U-050D-L935-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 750 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

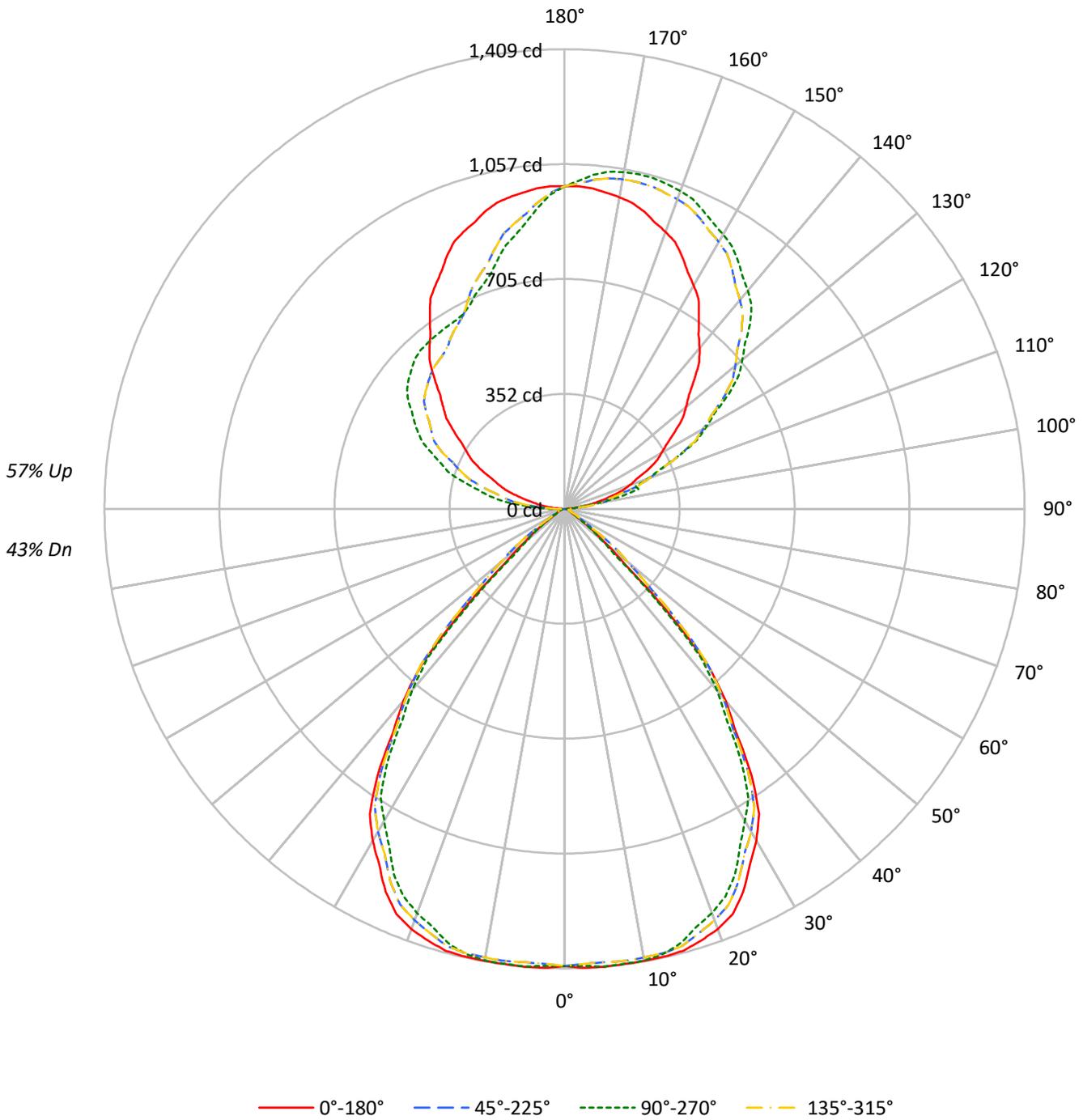
Lumens per Lamp: N/A
Luminaire Lumens: 5084.1 lumens
Efficiency: N/A
Efficacy: 121.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 41.7
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	106	106	106	106	96	96	96	96	80	80	80	64	64	64	50	50	50	43				43
1	98	94	91	88	89	86	84	81	72	70	68	59	57	56	46	46	45	39				39
2	90	84	79	74	83	77	73	69	65	62	59	53	51	50	43	42	40	36				36
3	84	75	69	64	77	70	64	60	59	55	52	49	46	44	40	38	36	32				32
4	77	68	61	56	71	63	57	52	53	49	46	45	42	39	36	35	33	29				29
5	72	61	54	49	66	57	51	46	49	44	41	41	38	35	34	32	30	27				27
6	66	56	48	43	61	52	45	41	44	40	36	38	34	32	31	29	27	24				24
7	62	51	44	39	57	47	41	37	41	36	33	35	31	29	29	27	25	22				22
8	58	46	39	35	53	43	37	33	38	33	29	32	29	26	27	24	23	20				20
9	54	43	36	31	50	40	34	30	35	30	27	30	26	24	25	23	21	19				19
10	50	39	33	28	47	37	31	27	32	28	24	28	24	22	23	21	19	17				17

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	22630	22630	22630	22630
5°	22836	22825	22836	22825
10°	23066	23056	23066	23056
15°	23450	23035	23450	23035
20°	23561	22661	23561	22661
25°	23077	22024	23077	22024
30°	21897	20593	21897	20593
35°	19692	18581	19692	18581
40°	16145	15293	16145	15293
45°	10095	9480	10095	9480
50°	3949	3612	3949	3612
55°	1948	1928	1948	1928
60°	911	823	911	823
65°	821	772	821	772
70°	793	760	793	760
75°	798	711	798	711
80°	753	688	753	688
85°	741	630	741	630

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°
 Vertical Angle: 45°
 Luminance: 11490 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.0	2.6
10°-20°	391.8	7.7
20°-30°	579.4	11.4
30°-40°	599.4	11.8
40°-50°	360.6	7.1
50°-60°	86.2	1.7
60°-70°	23.6	0.5
70°-80°	13.2	0.3
80°-90°	8.3	0.2
90°-100°	78.7	1.5
100°-110°	229.5	4.5
110°-120°	374.6	7.4
120°-130°	475.3	9.3
130°-140°	508.6	10.0
140°-150°	474.9	9.3
150°-160°	390.8	7.7
160°-170°	262.1	5.2
170°-180°	93.1	1.8
0°-30°	1105.2	21.7
0°-40°	1704.7	33.5
0°-60°	2151.4	42.3
0°-90°	2196.5	43.2
90°-120°	682.8	13.4
90°-150°	2141.7	42.1
90°-180°	2888.0	56.8
0°-180°	5084.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1402	1402	1402	1402	1402	
5°	1409	1408	1409	1408	1409	134
15°	1403	1378	1403	1378	1403	395
25°	1295	1236	1295	1236	1295	592
35°	999	943	999	943	999	613
45°	442	415	442	415	442	342
55°	69	68	69	68	69	69
65°	22	20	22	20	22	22
75°	13	11	13	11	13	13
85°	4	3	4	3	4	4
90°	3	22	3	43	3	3
95°	31	23	31	135	31	37
105°	146	234	146	322	146	155
115°	280	388	280	478	280	276
125°	414	614	414	585	414	370
135°	562	804	562	648	562	435
145°	718	927	718	662	718	449
155°	853	1007	853	687	853	392
165°	943	1050	943	791	943	265
175°	986	1028	986	928	986	94
180°	989	989	989	989	989	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6
2.5°	1408.6	1406.9	1405.2	1401.0	1396.0	1396.1	1401.4	1405.0	1403.8	1402.6	1403.8
5°	1409.0	1406.9	1404.8	1400.0	1394.3	1395.7	1404.0	1410.1	1409.2	1408.3	1409.2
7.5°	1407.5	1406.6	1405.7	1402.2	1397.8	1398.8	1405.2	1409.6	1408.2	1406.8	1408.2
10°	1406.9	1407.2	1407.5	1402.9	1396.6	1396.8	1403.4	1408.1	1407.2	1406.3	1407.2
12.5°	1406.4	1408.9	1411.3	1405.1	1395.9	1393.9	1399.1	1402.4	1400.3	1398.2	1400.3
15°	1402.9	1407.7	1412.5	1404.0	1391.2	1384.8	1384.8	1384.0	1381.0	1378.1	1381.0
17.5°	1388.0	1393.7	1399.3	1387.9	1370.8	1359.9	1355.3	1350.9	1347.3	1343.7	1347.3
20°	1371.3	1377.0	1382.7	1369.1	1349.1	1335.3	1327.9	1321.9	1320.4	1318.9	1320.4
22.5°	1345.0	1351.1	1357.3	1342.8	1321.3	1306.5	1298.3	1291.6	1289.1	1286.7	1289.1
25°	1295.4	1300.2	1305.0	1289.8	1268.0	1254.1	1248.2	1242.9	1239.6	1236.3	1239.6
27.5°	1229.3	1231.9	1234.6	1219.9	1199.5	1185.8	1179.0	1172.8	1168.3	1163.7	1168.3
30°	1174.5	1175.7	1176.9	1165.1	1148.9	1136.4	1127.4	1118.9	1111.8	1104.6	1111.8
32.5°	1109.4	1110.6	1111.8	1101.5	1087.2	1075.9	1067.4	1059.6	1053.9	1048.2	1053.9
35°	999.1	998.5	997.9	991.3	982.6	973.3	963.5	954.6	948.6	942.7	948.6
37.5°	861.1	861.9	862.8	857.8	851.0	843.6	835.9	828.5	822.5	816.5	822.5
40°	766.0	766.6	767.2	763.0	757.4	748.9	737.5	728.6	727.1	725.6	727.1
42.5°	649.9	658.8	667.8	664.1	656.3	648.0	639.3	631.0	624.1	617.1	624.1
45°	442.1	469.3	496.5	503.2	503.2	498.0	487.6	472.6	443.9	415.2	443.9
47.5°	249.7	280.6	311.5	331.9	348.7	341.5	310.5	278.5	243.6	208.8	243.6
50°	157.2	178.1	199.0	225.1	252.9	245.2	202.2	167.1	155.4	143.8	155.4
52.5°	111.5	122.2	132.8	157.4	186.6	183.0	146.7	117.9	111.8	105.6	111.8
55°	69.2	73.1	77.0	88.9	103.5	102.7	86.2	73.3	70.9	68.5	70.9
57.5°	41.1	45.1	49.1	54.4	60.2	60.2	54.4	49.2	45.4	41.7	45.4
60°	28.2	31.5	34.8	39.2	44.0	43.4	37.4	32.1	28.8	25.5	28.8
62.5°	24.5	25.8	27.2	30.6	34.7	34.3	29.5	25.7	24.5	23.4	24.5
65°	21.5	21.8	22.1	22.4	22.7	22.5	21.9	21.4	20.8	20.2	20.8
67.5°	18.9	19.2	19.5	19.4	19.2	19.1	19.0	18.8	18.3	17.7	18.3
70°	16.8	17.1	17.4	17.5	17.5	17.3	17.0	16.7	16.4	16.1	16.4
72.5°	15.2	15.5	15.8	15.7	15.4	15.3	15.2	15.1	14.5	14.0	14.5
75°	12.8	12.8	12.8	12.8	12.8	12.6	12.3	12.0	11.7	11.4	11.7
77.5°	9.7	10.0	10.3	10.1	9.8	9.7	9.7	9.6	9.3	9.0	9.3
80°	8.1	8.4	8.7	8.5	8.2	8.1	8.1	8.0	7.7	7.4	7.7
82.5°	6.5	6.5	6.6	6.5	6.5	6.5	6.5	6.4	6.1	5.8	6.1
85°	4.0	4.0	4.0	3.8	3.5	3.4	3.4	3.4	3.4	3.4	3.4
87.5°	1.7	2.7	4.0	4.6	5.0	5.1	5.1	5.3	5.5	5.5	5.5
90°	3.0	7.0	12.0	16.0	19.0	20.0	20.0	21.0	22.0	22.0	22.0
92.5°	11.0	17.4	17.6	17.6	21.4	23.2	24.8	25.0	26.0	26.0	26.0
95°	31.0	34.0	50.9	49.9	34.0	27.0	23.0	23.0	23.0	23.0	23.0
97.5°	59.1	63.5	66.3	88.9	93.9	90.7	73.9	62.1	55.5	52.5	55.5
100°	83.9	85.9	91.9	92.9	117.9	141.9	129.9	114.9	109.9	106.9	109.9
102.5°	108.7	109.9	119.1	123.3	129.1	142.7	184.2	179.6	176.2	175.6	176.2
105°	145.8	146.8	163.8	171.8	175.8	175.8	174.8	194.8	226.8	233.8	226.8
107.5°	185.6	190.2	210.2	231.6	236.2	237.4	232.2	229.2	228.0	228.8	228.0
110°	212.8	219.8	243.7	270.7	277.7	279.7	277.7	274.7	272.7	272.7	272.7



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	239.2	249.3	276.5	307.5	319.3	325.3	320.9	318.7	316.7	318.3	316.7
115°	279.7	294.7	330.7	362.6	386.6	389.6	388.6	388.6	387.6	387.6	387.6
117.5°	317.3	341.2	381.6	418.8	446.5	454.5	458.5	457.3	456.1	458.1	456.1
120°	343.6	371.6	417.6	459.5	486.5	498.5	502.5	500.5	502.5	500.5	502.5
122.5°	371.6	406.0	451.1	494.7	526.5	540.0	544.8	545.2	545.6	544.4	545.6
125°	413.6	455.5	508.5	553.4	586.4	602.4	606.4	607.4	609.4	614.4	609.4
127.5°	455.9	503.5	561.6	605.0	638.7	658.1	664.3	666.5	670.7	672.9	670.7
130°	485.5	539.4	598.4	639.3	672.3	693.3	704.3	707.3	712.3	711.3	712.3
132.5°	516.7	573.0	632.7	675.3	705.9	728.4	737.8	746.4	748.2	749.6	748.2
135°	562.4	623.4	683.3	725.3	754.2	776.2	788.2	796.2	801.2	804.2	801.2
137.5°	610.6	674.9	732.4	769.8	799.0	818.0	831.5	839.9	845.1	847.5	845.1
140°	643.3	705.3	761.2	800.2	826.1	845.1	857.1	867.1	873.1	873.1	873.1
142.5°	674.5	735.6	790.0	828.9	851.7	869.1	881.9	889.5	896.3	896.3	896.3
145°	718.3	779.2	829.1	868.1	887.1	903.1	917.1	923.0	927.0	927.0	927.0
147.5°	764.0	818.0	863.5	900.9	916.9	935.6	946.6	951.4	956.4	954.2	956.4
150°	791.2	841.1	885.1	920.1	936.0	954.0	965.0	969.0	974.0	971.0	974.0
152.5°	817.6	865.1	905.1	937.6	951.2	969.2	981.8	985.8	989.2	987.0	989.2
155°	853.1	895.1	932.0	962.0	974.0	991.0	1003.0	1008.0	1012.0	1007.0	1012.0
157.5°	884.9	921.0	953.2	980.8	993.6	1008.2	1019.3	1025.5	1029.5	1027.3	1029.5
160°	904.1	937.0	966.0	992.0	1004.0	1017.0	1028.9	1035.9	1039.9	1036.9	1039.9
162.5°	920.1	949.8	977.2	1000.8	1011.2	1022.5	1036.9	1043.1	1047.1	1043.3	1047.1
165°	943.0	967.0	991.0	1011.0	1019.9	1028.9	1043.9	1050.9	1053.9	1049.9	1053.9
167.5°	960.4	978.8	998.2	1015.4	1021.9	1030.7	1045.7	1051.5	1055.3	1050.3	1055.3
170°	970.0	986.0	1003.0	1017.0	1021.9	1029.9	1044.9	1049.9	1052.9	1047.9	1052.9
172.5°	978.0	990.0	1003.8	1016.2	1018.7	1025.1	1039.3	1044.3	1046.5	1042.3	1046.5
175°	986.0	993.0	1003.0	1011.0	1010.0	1014.0	1025.9	1029.9	1033.9	1027.9	1033.9
177.5°	989.8	993.0	996.2	1001.0	997.8	997.8	1006.6	1009.0	1009.8	1006.6	1009.8
180°	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6
2.5°	1405.0	1401.4	1396.1	1396.0	1401.0	1405.2	1406.9	1408.6	1406.9	1405.2	1401.0
5°	1410.1	1404.0	1395.7	1394.3	1400.0	1404.8	1406.9	1409.0	1406.9	1404.8	1400.0
7.5°	1409.6	1405.2	1398.8	1397.8	1402.2	1405.7	1406.6	1407.5	1406.6	1405.7	1402.2
10°	1408.1	1403.4	1396.8	1396.6	1402.9	1407.5	1407.2	1406.9	1407.2	1407.5	1402.9
12.5°	1402.4	1399.1	1393.9	1395.9	1405.1	1411.3	1408.9	1406.4	1408.9	1411.3	1405.1
15°	1384.0	1384.8	1384.8	1391.2	1404.0	1412.5	1407.7	1402.9	1407.7	1412.5	1404.0
17.5°	1350.9	1355.3	1359.9	1370.8	1387.9	1399.3	1393.7	1388.0	1393.7	1399.3	1387.9
20°	1321.9	1327.9	1335.3	1349.1	1369.1	1382.7	1377.0	1371.3	1377.0	1382.7	1369.1
22.5°	1291.6	1298.3	1306.5	1321.3	1342.8	1357.3	1351.1	1345.0	1351.1	1357.3	1342.8
25°	1242.9	1248.2	1254.1	1268.0	1289.8	1305.0	1300.2	1295.4	1300.2	1305.0	1289.8
27.5°	1172.8	1179.0	1185.8	1199.5	1219.9	1234.6	1231.9	1229.3	1231.9	1234.6	1219.9
30°	1118.9	1127.4	1136.4	1148.9	1165.1	1176.9	1175.7	1174.5	1175.7	1176.9	1165.1
32.5°	1059.6	1067.4	1075.9	1087.2	1101.5	1111.8	1110.6	1109.4	1110.6	1111.8	1101.5
35°	954.6	963.5	973.3	982.6	991.3	997.9	998.5	999.1	998.5	997.9	991.3
37.5°	828.5	835.9	843.6	851.0	857.8	862.8	861.9	861.1	861.9	862.8	857.8
40°	728.6	737.5	748.9	757.4	763.0	767.2	766.6	766.0	766.6	767.2	763.0
42.5°	631.0	639.3	648.0	656.3	664.1	667.8	658.8	649.9	658.8	667.8	664.1
45°	472.6	487.6	498.0	503.2	503.2	496.5	469.3	442.1	469.3	496.5	503.2
47.5°	278.5	310.5	341.5	348.7	331.9	311.5	280.6	249.7	280.6	311.5	331.9
50°	167.1	202.2	245.2	252.9	225.1	199.0	178.1	157.2	178.1	199.0	225.1
52.5°	117.9	146.7	183.0	186.6	157.4	132.8	122.2	111.5	122.2	132.8	157.4
55°	73.3	86.2	102.7	103.5	88.9	77.0	73.1	69.2	73.1	77.0	88.9
57.5°	49.2	54.4	60.2	60.2	54.4	49.1	45.1	41.1	45.1	49.1	54.4
60°	32.1	37.4	43.4	44.0	39.2	34.8	31.5	28.2	31.5	34.8	39.2
62.5°	25.7	29.5	34.3	34.7	30.6	27.2	25.8	24.5	25.8	27.2	30.6
65°	21.4	21.9	22.5	22.7	22.4	22.1	21.8	21.5	21.8	22.1	22.4
67.5°	18.8	19.0	19.1	19.2	19.4	19.5	19.2	18.9	19.2	19.5	19.4
70°	16.7	17.0	17.3	17.5	17.5	17.4	17.1	16.8	17.1	17.4	17.5
72.5°	15.1	15.2	15.3	15.4	15.7	15.8	15.5	15.2	15.5	15.8	15.7
75°	12.0	12.3	12.6	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
77.5°	9.6	9.7	9.7	9.8	10.1	10.3	10.0	9.7	10.0	10.3	10.1
80°	8.0	8.1	8.1	8.2	8.5	8.7	8.4	8.1	8.4	8.7	8.5
82.5°	6.4	6.5	6.5	6.5	6.5	6.6	6.5	6.5	6.5	6.6	6.5
85°	3.4	3.4	3.4	3.5	3.8	4.0	4.0	4.0	4.0	4.0	3.8
87.5°	5.3	5.1	5.1	5.0	4.6	4.0	2.7	1.7	2.7	3.8	5.0
90°	21.0	20.0	20.0	19.0	16.0	12.0	7.0	3.0	7.0	11.0	18.0
92.5°	25.0	24.8	23.2	21.4	17.6	17.6	17.4	11.0	19.0	27.0	38.8
95°	23.0	23.0	27.0	34.0	49.9	50.9	34.0	31.0	44.0	61.9	77.9
97.5°	62.1	73.9	90.7	93.9	88.9	66.3	63.5	59.1	80.5	98.3	124.1
100°	114.9	129.9	141.9	117.9	92.9	91.9	85.9	83.9	106.9	123.9	148.8
102.5°	179.6	184.2	142.7	129.1	123.3	119.1	109.9	108.7	131.7	155.0	176.0
105°	194.8	174.8	175.8	175.8	171.8	163.8	146.8	145.8	171.8	198.8	224.8
107.5°	229.2	232.2	237.4	236.2	231.6	210.2	190.2	185.6	209.0	241.4	269.9
110°	274.7	277.7	279.7	277.7	270.7	243.7	219.8	212.8	233.8	267.7	298.7



TEST NUMBER: P1428528

CATALOG NUMBER: SQ2W-WBM-K-075U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	318.7	320.9	325.3	319.3	307.5	276.5	249.3	239.2	260.1	294.9	326.7
115°	388.6	388.6	389.6	386.6	362.6	330.7	294.7	279.7	297.7	329.7	364.6
117.5°	457.3	458.5	454.5	446.5	418.8	381.6	341.2	317.3	331.5	365.2	401.2
120°	500.5	502.5	498.5	486.5	459.5	417.6	371.6	343.6	354.6	387.6	423.6
122.5°	545.2	544.8	540.0	526.5	494.7	451.1	406.0	371.6	376.2	406.8	441.9
125°	607.4	606.4	602.4	586.4	553.4	508.5	455.5	413.6	407.6	433.6	469.5
127.5°	666.5	664.3	658.1	638.7	605.0	561.6	503.5	455.9	442.5	458.9	491.9
130°	707.3	704.3	693.3	672.3	639.3	598.4	539.4	485.5	466.5	476.5	505.5
132.5°	746.4	737.8	728.4	705.9	675.3	632.7	573.0	516.7	490.5	494.9	517.5
135°	796.2	788.2	776.2	754.2	725.3	683.3	623.4	562.4	526.5	522.5	535.4
137.5°	839.9	831.5	818.0	799.0	769.8	732.4	674.9	610.6	565.2	551.8	556.8
140°	867.1	857.1	845.1	826.1	800.2	761.2	705.3	643.3	592.4	573.4	570.4
142.5°	889.5	881.9	869.1	851.7	828.9	790.0	735.6	674.5	620.4	595.8	588.8
145°	923.0	917.1	903.1	887.1	868.1	829.1	779.2	718.3	664.3	632.3	617.4
147.5°	951.4	946.6	935.6	916.9	900.9	863.5	818.0	764.0	708.7	669.1	649.7
150°	969.0	965.0	954.0	936.0	920.1	885.1	841.1	791.2	738.2	696.3	671.3
152.5°	985.8	981.8	969.2	951.2	937.6	905.1	865.1	817.6	763.8	721.9	696.1
155°	1008.0	1003.0	991.0	974.0	962.0	932.0	895.1	853.1	807.2	763.2	734.2
157.5°	1025.5	1019.3	1008.2	993.6	980.8	953.2	921.0	884.9	844.7	802.8	773.2
160°	1035.9	1028.9	1017.0	1004.0	992.0	966.0	937.0	904.1	867.1	829.1	797.2
162.5°	1043.1	1036.9	1022.5	1011.2	1000.8	977.2	949.8	920.1	887.1	853.9	824.3
165°	1050.9	1043.9	1028.9	1019.9	1011.0	991.0	967.0	943.0	915.1	888.1	864.1
167.5°	1051.5	1045.7	1030.7	1021.9	1015.4	998.2	978.8	960.4	938.6	917.5	897.5
170°	1049.9	1044.9	1029.9	1021.9	1017.0	1003.0	986.0	970.0	953.0	935.0	919.1
172.5°	1044.3	1039.3	1025.1	1018.7	1016.2	1003.8	990.0	978.0	963.4	950.2	937.4
175°	1029.9	1025.9	1014.0	1010.0	1011.0	1003.0	993.0	986.0	977.0	969.0	962.0
177.5°	1009.0	1006.6	997.8	997.8	1001.0	996.2	993.0	989.8	985.8	983.4	981.0
180°	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0



TEST NUMBER: P1428528

CATALOG NUMBER: SQ2W-WBM-K-075U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6	1401.6
2.5°	1396.0	1396.1	1401.4	1405.0	1403.8	1402.6	1403.8	1405.0	1401.4	1396.1	1396.0
5°	1394.3	1395.7	1404.0	1410.1	1409.2	1408.3	1409.2	1410.1	1404.0	1395.7	1394.3
7.5°	1397.8	1398.8	1405.2	1409.6	1408.2	1406.8	1408.2	1409.6	1405.2	1398.8	1397.8
10°	1396.6	1396.8	1403.4	1408.1	1407.2	1406.3	1407.2	1408.1	1403.4	1396.8	1396.6
12.5°	1395.9	1393.9	1399.1	1402.4	1400.3	1398.2	1400.3	1402.4	1399.1	1393.9	1395.9
15°	1391.2	1384.8	1384.8	1384.0	1381.0	1378.1	1381.0	1384.0	1384.8	1384.8	1391.2
17.5°	1370.8	1359.9	1355.3	1350.9	1347.3	1343.7	1347.3	1350.9	1355.3	1359.9	1370.8
20°	1349.1	1335.3	1327.9	1321.9	1320.4	1318.9	1320.4	1321.9	1327.9	1335.3	1349.1
22.5°	1321.3	1306.5	1298.3	1291.6	1289.1	1286.7	1289.1	1291.6	1298.3	1306.5	1321.3
25°	1268.0	1254.1	1248.2	1242.9	1239.6	1236.3	1239.6	1242.9	1248.2	1254.1	1268.0
27.5°	1199.5	1185.8	1179.0	1172.8	1168.3	1163.7	1168.3	1172.8	1179.0	1185.8	1199.5
30°	1148.9	1136.4	1127.4	1118.9	1111.8	1104.6	1111.8	1118.9	1127.4	1136.4	1148.9
32.5°	1087.2	1075.9	1067.4	1059.6	1053.9	1048.2	1053.9	1059.6	1067.4	1075.9	1087.2
35°	982.6	973.3	963.5	954.6	948.6	942.7	948.6	954.6	963.5	973.3	982.6
37.5°	851.0	843.6	835.9	828.5	822.5	816.5	822.5	828.5	835.9	843.6	851.0
40°	757.4	748.9	737.5	728.6	727.1	725.6	727.1	728.6	737.5	748.9	757.4
42.5°	656.3	648.0	639.3	631.0	624.1	617.1	624.1	631.0	639.3	648.0	656.3
45°	503.2	498.0	487.6	472.6	443.9	415.2	443.9	472.6	487.6	498.0	503.2
47.5°	348.7	341.5	310.5	278.5	243.6	208.8	243.6	278.5	310.5	341.5	348.7
50°	252.9	245.2	202.2	167.1	155.4	143.8	155.4	167.1	202.2	245.2	252.9
52.5°	186.6	183.0	146.7	117.9	111.8	105.6	111.8	117.9	146.7	183.0	186.6
55°	103.5	102.7	86.2	73.3	70.9	68.5	70.9	73.3	86.2	102.7	103.5
57.5°	60.2	60.2	54.4	49.2	45.4	41.7	45.4	49.2	54.4	60.2	60.2
60°	44.0	43.4	37.4	32.1	28.8	25.5	28.8	32.1	37.4	43.4	44.0
62.5°	34.7	34.3	29.5	25.7	24.5	23.4	24.5	25.7	29.5	34.3	34.7
65°	22.7	22.5	21.9	21.4	20.8	20.2	20.8	21.4	21.9	22.5	22.7
67.5°	19.2	19.1	19.0	18.8	18.3	17.7	18.3	18.8	19.0	19.1	19.2
70°	17.5	17.3	17.0	16.7	16.4	16.1	16.4	16.7	17.0	17.3	17.5
72.5°	15.4	15.3	15.2	15.1	14.5	14.0	14.5	15.1	15.2	15.3	15.4
75°	12.8	12.6	12.3	12.0	11.7	11.4	11.7	12.0	12.3	12.6	12.8
77.5°	9.8	9.7	9.7	9.6	9.3	9.0	9.3	9.6	9.7	9.7	9.8
80°	8.2	8.1	8.1	8.0	7.7	7.4	7.7	8.0	8.1	8.1	8.2
82.5°	6.5	6.5	6.5	6.4	6.1	5.8	6.1	6.4	6.5	6.5	6.5
85°	3.5	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.5
87.5°	5.8	7.1	8.5	9.3	10.1	9.7	10.1	9.3	8.5	7.1	5.8
90°	23.0	30.0	37.0	41.0	45.0	43.0	45.0	41.0	37.0	30.0	23.0
92.5°	46.2	57.9	66.5	73.7	76.9	76.5	76.9	73.7	66.5	57.9	46.2
95°	92.9	106.9	120.9	130.9	136.9	134.9	136.9	130.9	120.9	106.9	92.9
97.5°	143.3	162.0	177.6	187.0	193.0	197.0	193.0	187.0	177.6	162.0	143.3
100°	176.8	194.8	212.8	223.8	233.8	237.8	233.8	223.8	212.8	194.8	176.8
102.5°	204.0	227.6	247.1	258.9	267.3	271.3	267.3	258.9	247.1	227.6	204.0
105°	248.7	273.7	294.7	309.7	318.7	321.7	318.7	309.7	294.7	273.7	248.7
107.5°	293.5	319.3	338.7	355.2	366.2	372.6	366.2	355.2	338.7	319.3	293.5
110°	328.7	349.6	370.6	385.6	396.6	400.6	396.6	385.6	370.6	349.6	328.7



TEST NUMBER: P1428528

CATALOG NUMBER: SQ2W-WBM-K-075U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	358.2	381.6	402.6	417.6	430.2	435.8	430.2	417.6	402.6	381.6	358.2
115°	399.6	430.6	449.5	463.5	472.5	477.5	472.5	463.5	449.5	430.6	399.6
117.5°	434.0	466.3	487.1	497.9	502.1	505.7	502.1	497.9	487.1	466.3	434.0
120°	455.5	485.5	509.5	523.5	528.5	530.5	528.5	523.5	509.5	485.5	455.5
122.5°	475.5	503.9	527.1	544.2	552.4	554.4	552.4	544.2	527.1	503.9	475.5
125°	503.5	530.5	554.4	571.4	580.4	585.4	580.4	571.4	554.4	530.5	503.5
127.5°	527.9	557.0	579.0	594.4	603.2	607.2	603.2	594.4	579.0	557.0	527.9
130°	541.4	571.4	593.4	610.4	618.4	622.4	618.4	610.4	593.4	571.4	541.4
132.5°	551.8	583.4	606.2	621.6	630.3	634.3	630.3	621.6	606.2	583.4	551.8
135°	564.4	597.4	621.4	636.3	644.3	648.3	644.3	636.3	621.4	597.4	564.4
137.5°	575.4	605.4	630.3	646.1	653.3	655.9	653.3	646.1	630.3	605.4	575.4
140°	583.4	609.4	634.3	649.3	657.3	658.3	657.3	649.3	634.3	609.4	583.4
142.5°	593.8	614.2	635.9	650.9	658.9	660.7	658.9	650.9	635.9	614.2	593.8
145°	612.4	624.4	639.3	653.3	660.3	662.3	660.3	653.3	639.3	624.4	612.4
147.5°	635.7	639.5	647.3	656.5	663.3	664.7	663.3	656.5	647.3	639.5	635.7
150°	653.3	652.3	655.3	661.3	667.3	666.3	667.3	661.3	655.3	652.3	653.3
152.5°	673.3	667.5	667.3	670.1	672.9	672.7	672.9	670.1	667.3	667.5	673.3
155°	707.3	696.3	690.3	688.3	688.3	687.3	688.3	688.3	690.3	696.3	707.3
157.5°	744.6	729.2	720.3	715.5	714.1	711.9	714.1	715.5	720.3	729.2	744.6
160°	770.2	753.2	744.2	736.2	733.2	730.2	733.2	736.2	744.2	753.2	770.2
162.5°	794.2	778.0	768.2	761.0	758.0	753.4	758.0	761.0	768.2	778.0	794.2
165°	833.1	816.2	805.2	799.2	795.2	791.2	795.2	799.2	805.2	816.2	833.1
167.5°	872.1	853.5	846.3	839.5	835.7	828.5	835.7	839.5	846.3	853.5	872.1
170°	896.1	879.1	875.1	869.1	862.1	854.1	862.1	869.1	875.1	879.1	896.1
172.5°	916.9	905.5	901.5	895.5	893.3	886.9	893.3	895.5	901.5	905.5	916.9
175°	947.0	938.0	938.0	937.0	934.0	928.0	934.0	937.0	938.0	938.0	947.0
177.5°	972.2	967.4	970.6	970.6	969.8	964.2	969.8	970.6	970.6	967.4	972.2
180°	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0	989.0



TEST NUMBER: P1428528

CATALOG NUMBER: SQ2W-WBM-K-075U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1401.6	1401.6	1401.6	1401.6
2.5°	1401.0	1405.2	1406.9	1408.6
5°	1400.0	1404.8	1406.9	1409.0
7.5°	1402.2	1405.7	1406.6	1407.5
10°	1402.9	1407.5	1407.2	1406.9
12.5°	1405.1	1411.3	1408.9	1406.4
15°	1404.0	1412.5	1407.7	1402.9
17.5°	1387.9	1399.3	1393.7	1388.0
20°	1369.1	1382.7	1377.0	1371.3
22.5°	1342.8	1357.3	1351.1	1345.0
25°	1289.8	1305.0	1300.2	1295.4
27.5°	1219.9	1234.6	1231.9	1229.3
30°	1165.1	1176.9	1175.7	1174.5
32.5°	1101.5	1111.8	1110.6	1109.4
35°	991.3	997.9	998.5	999.1
37.5°	857.8	862.8	861.9	861.1
40°	763.0	767.2	766.6	766.0
42.5°	664.1	667.8	658.8	649.9
45°	503.2	496.5	469.3	442.1
47.5°	331.9	311.5	280.6	249.7
50°	225.1	199.0	178.1	157.2
52.5°	157.4	132.8	122.2	111.5
55°	88.9	77.0	73.1	69.2
57.5°	54.4	49.1	45.1	41.1
60°	39.2	34.8	31.5	28.2
62.5°	30.6	27.2	25.8	24.5
65°	22.4	22.1	21.8	21.5
67.5°	19.4	19.5	19.2	18.9
70°	17.5	17.4	17.1	16.8
72.5°	15.7	15.8	15.5	15.2
75°	12.8	12.8	12.8	12.8
77.5°	10.1	10.3	10.0	9.7
80°	8.5	8.7	8.4	8.1
82.5°	6.5	6.6	6.5	6.5
85°	3.8	4.0	4.0	4.0
87.5°	5.0	3.8	2.7	1.7
90°	18.0	11.0	7.0	3.0
92.5°	38.8	27.0	19.0	11.0
95°	77.9	61.9	44.0	31.0
97.5°	124.1	98.3	80.5	59.1
100°	148.8	123.9	106.9	83.9
102.5°	176.0	155.0	131.7	108.7
105°	224.8	198.8	171.8	145.8
107.5°	269.9	241.4	209.0	185.6
110°	298.7	267.7	233.8	212.8



TEST NUMBER: P1428528

CATALOG NUMBER: SQ2W-WBM-K-075U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	326.7	294.9	260.1	239.2
115°	364.6	329.7	297.7	279.7
117.5°	401.2	365.2	331.5	317.3
120°	423.6	387.6	354.6	343.6
122.5°	441.9	406.8	376.2	371.6
125°	469.5	433.6	407.6	413.6
127.5°	491.9	458.9	442.5	455.9
130°	505.5	476.5	466.5	485.5
132.5°	517.5	494.9	490.5	516.7
135°	535.4	522.5	526.5	562.4
137.5°	556.8	551.8	565.2	610.6
140°	570.4	573.4	592.4	643.3
142.5°	588.8	595.8	620.4	674.5
145°	617.4	632.3	664.3	718.3
147.5°	649.7	669.1	708.7	764.0
150°	671.3	696.3	738.2	791.2
152.5°	696.1	721.9	763.8	817.6
155°	734.2	763.2	807.2	853.1
157.5°	773.2	802.8	844.7	884.9
160°	797.2	829.1	867.1	904.1
162.5°	824.3	853.9	887.1	920.1
165°	864.1	888.1	915.1	943.0
167.5°	897.5	917.5	938.6	960.4
170°	919.1	935.0	953.0	970.0
172.5°	937.4	950.2	963.4	978.0
175°	962.0	969.0	977.0	986.0
177.5°	981.0	983.4	985.8	989.8
180°	989.0	989.0	989.0	989.0



TEST NUMBER: P1428528
 CATALOG NUMBER: SQ2W-WBM-K-075U-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	2.06	2.75	3.11	3.78	5.15	2.05	2.74	3.09	3.76	5.14
	3H	2.75	3.36	3.80	4.39	5.79	2.67	3.28	3.72	4.32	5.71
	4H	3.11	3.68	4.17	4.72	6.13	2.97	3.55	4.03	4.59	5.99
	6H	3.38	3.91	4.45	4.95	6.37	3.20	3.73	4.27	4.77	6.19
	8H	3.50	4.00	4.57	5.06	6.47	3.30	3.80	4.37	4.86	6.27
	12H	3.58	4.05	4.65	5.10	6.53	3.35	3.83	4.43	4.88	6.31
4H	2H	2.15	2.72	3.22	3.76	5.17	2.14	2.71	3.21	3.75	5.16
	3H	3.09	3.56	4.16	4.63	6.04	3.00	3.48	4.08	4.55	5.96
	4H	3.59	4.03	4.67	5.09	6.52	3.44	3.88	4.52	4.94	6.38
	6H	4.02	4.39	5.11	5.47	6.91	3.82	4.19	4.91	5.27	6.70
	8H	4.21	4.56	5.30	5.63	7.08	3.99	4.33	5.07	5.40	6.85
	12H	4.33	4.65	5.44	5.73	7.18	4.08	4.39	5.18	5.48	6.93
8H	4H	3.71	4.06	4.80	5.13	6.57	3.57	3.92	4.66	4.99	6.44
	6H	4.29	4.57	5.39	5.69	7.13	4.09	4.38	5.20	5.49	6.94
	8H	4.58	4.83	5.69	5.93	7.39	4.36	4.61	5.48	5.71	7.17
	12H	4.79	5.01	5.91	6.11	7.61	4.54	4.75	5.65	5.85	7.35
12H	4H	3.69	4.00	4.79	5.08	6.53	3.56	3.87	4.66	4.95	6.40
	6H	4.33	4.57	5.44	5.67	7.14	4.14	4.39	5.26	5.49	6.95
	8H	4.65	4.87	5.76	5.96	7.46	4.44	4.66	5.56	5.75	7.26