

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: P1428529

Luminaire Tested: SQ2W-WBM-K-075U-050D-L940-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428529
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-L940-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: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

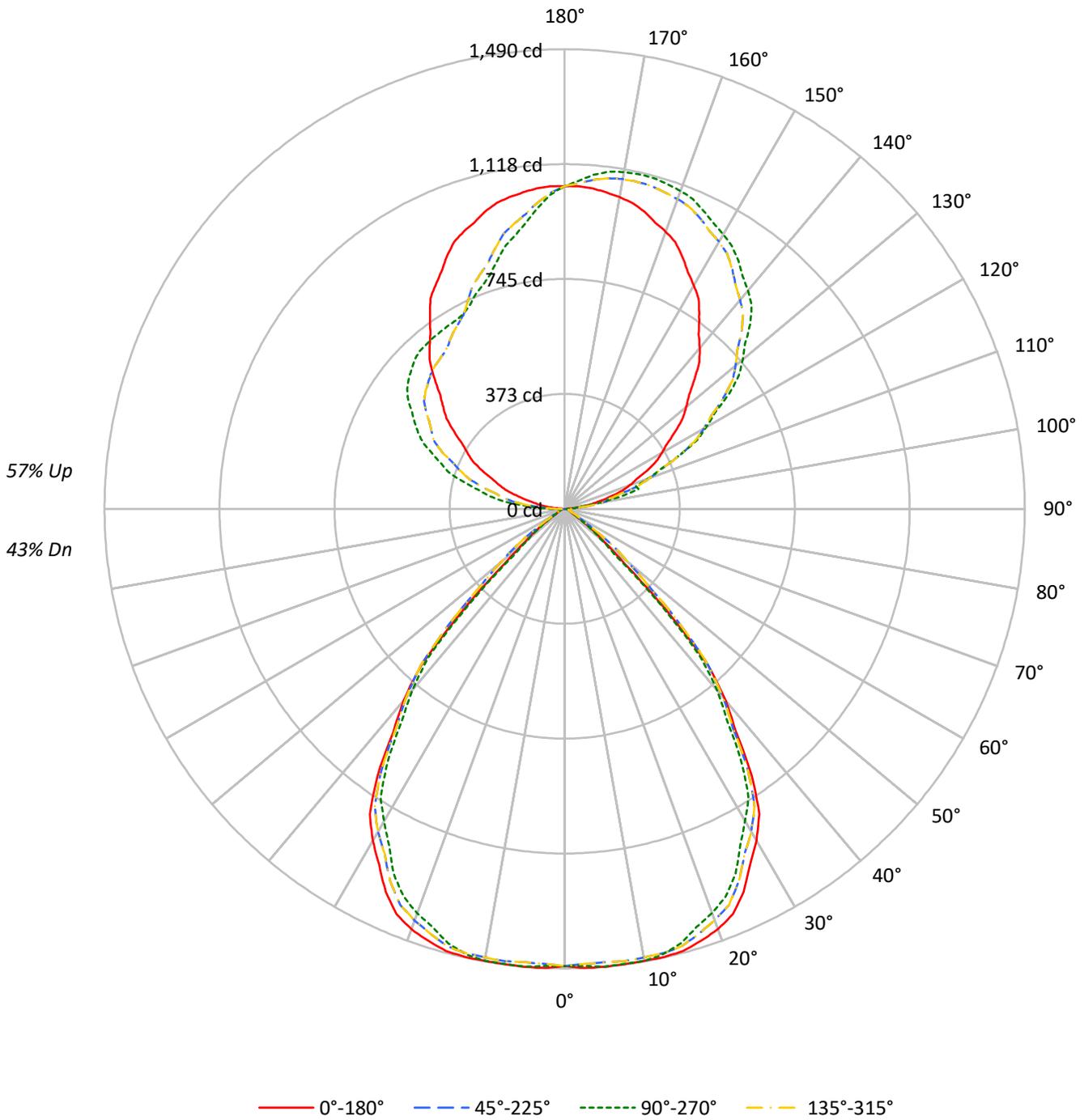
Lumens per Lamp: N/A
Luminaire Lumens: 5377.8 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.18 / 1.17
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: General Diffuse

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°	23936	23936	23936	23936
5°	24154	24142	24154	24142
10°	24398	24387	24398	24387
15°	24805	24366	24805	24366
20°	24924	23970	24924	23970
25°	24410	23296	24410	23296
30°	23161	21783	23161	21783
35°	20830	19653	20830	19653
40°	17076	16178	17076	16178
45°	10677	10028	10677	10028
50°	4177	3820	4177	3820
55°	2060	2041	2060	2041
60°	962	872	962	872
65°	867	814	867	814
70°	840	807	840	807
75°	842	755	842	755
80°	790	725	790	725
85°	797	667	797	667

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 30°
 Vertical Angle: 45°
 Luminance: 12154 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.7	2.6
10°-20°	414.5	7.7
20°-30°	612.8	11.4
30°-40°	634.1	11.8
40°-50°	381.4	7.1
50°-60°	91.2	1.7
60°-70°	24.9	0.5
70°-80°	13.9	0.3
80°-90°	8.7	0.2
90°-100°	83.3	1.5
100°-110°	242.8	4.5
110°-120°	396.2	7.4
120°-130°	502.8	9.3
130°-140°	538.0	10.0
140°-150°	502.4	9.3
150°-160°	413.4	7.7
160°-170°	277.2	5.2
170°-180°	98.4	1.8
0°-30°	1169.1	21.7
0°-40°	1803.1	33.5
0°-60°	2275.7	42.3
0°-90°	2323.3	43.2
90°-120°	722.3	13.4
90°-150°	2265.4	42.1
90°-180°	3054.0	56.8
0°-180°	5377.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1482	1482	1482	1482	1482	
5°	1490	1490	1490	1490	1490	142
15°	1484	1458	1484	1458	1484	418
25°	1370	1308	1370	1308	1370	626
35°	1057	997	1057	997	1057	649
45°	468	439	468	439	468	362
55°	73	72	73	72	73	73
65°	23	21	23	21	23	23
75°	14	12	14	12	14	14
85°	4	4	4	4	4	4
90°	3	23	3	45	3	3
95°	33	24	33	143	33	40
105°	154	247	154	340	154	164
115°	296	410	296	505	296	292
125°	438	650	438	619	438	391
135°	595	851	595	686	595	460
145°	760	981	760	701	760	475
155°	902	1065	902	727	902	415
165°	998	1111	998	837	998	281
175°	1043	1087	1043	982	1043	99
180°	1046	1046	1046	1046	1046	



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CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5
2.5°	1489.9	1488.2	1486.4	1482.0	1476.7	1476.8	1482.3	1486.2	1484.9	1483.7	1484.9
5°	1490.3	1488.1	1485.9	1480.9	1474.9	1476.3	1485.1	1491.5	1490.6	1489.6	1490.6
7.5°	1488.8	1487.8	1486.9	1483.2	1478.6	1479.6	1486.3	1491.0	1489.5	1488.1	1489.5
10°	1488.2	1488.5	1488.8	1484.0	1477.3	1477.5	1484.4	1489.4	1488.5	1487.5	1488.5
12.5°	1487.6	1490.2	1492.8	1486.2	1476.6	1474.4	1479.9	1483.4	1481.2	1479.0	1481.2
15°	1484.0	1489.0	1494.1	1485.1	1471.6	1464.8	1464.8	1464.0	1460.8	1457.7	1460.8
17.5°	1468.2	1474.2	1480.2	1468.1	1449.9	1438.5	1433.6	1429.0	1425.1	1421.3	1425.1
20°	1450.6	1456.6	1462.6	1448.2	1427.0	1412.5	1404.6	1398.3	1396.7	1395.1	1396.7
22.5°	1422.7	1429.2	1435.7	1420.3	1397.6	1382.0	1373.3	1366.2	1363.6	1361.0	1363.6
25°	1370.2	1375.3	1380.3	1364.3	1341.3	1326.6	1320.3	1314.6	1311.2	1307.7	1311.2
27.5°	1300.3	1303.1	1305.9	1290.4	1268.8	1254.3	1247.1	1240.5	1235.7	1230.9	1235.7
30°	1242.3	1243.6	1244.8	1232.4	1215.3	1202.0	1192.6	1183.6	1176.0	1168.4	1176.0
32.5°	1173.5	1174.8	1176.0	1165.1	1150.0	1138.0	1129.1	1120.8	1114.8	1108.7	1114.8
35°	1056.8	1056.2	1055.6	1048.5	1039.4	1029.6	1019.2	1009.8	1003.4	997.1	1003.4
37.5°	910.8	911.7	912.6	907.4	900.1	892.4	884.2	876.4	870.0	863.6	870.0
40°	810.2	810.8	811.5	807.1	801.1	792.1	780.1	770.7	769.1	767.6	769.1
42.5°	687.4	696.9	706.3	702.5	694.2	685.5	676.3	667.5	660.1	652.7	660.1
45°	467.6	496.4	525.1	532.3	532.3	526.8	515.7	499.9	469.5	439.2	469.5
47.5°	264.1	296.8	329.5	351.0	368.8	361.2	328.4	294.5	257.7	220.9	257.7
50°	166.3	188.4	210.5	238.1	267.5	259.4	213.9	176.7	164.4	152.1	164.4
52.5°	118.0	129.2	140.5	166.4	197.3	193.6	155.2	124.7	118.2	111.7	118.2
55°	73.2	77.3	81.4	94.1	109.5	108.6	91.2	77.5	75.0	72.5	75.0
57.5°	43.5	47.7	52.0	57.6	63.6	63.6	57.6	52.0	48.0	44.1	48.0
60°	29.8	33.3	36.8	41.5	46.5	45.9	39.6	34.0	30.5	27.0	30.5
62.5°	25.9	27.3	28.8	32.4	36.7	36.3	31.2	27.1	25.9	24.7	25.9
65°	22.7	23.1	23.4	23.7	24.0	23.8	23.2	22.6	22.0	21.3	22.0
67.5°	20.0	20.4	20.7	20.6	20.3	20.2	20.1	19.9	19.3	18.8	19.3
70°	17.8	18.1	18.4	18.5	18.5	18.3	18.0	17.7	17.4	17.1	17.4
72.5°	16.1	16.4	16.7	16.6	16.3	16.2	16.1	15.9	15.4	14.8	15.4
75°	13.5	13.5	13.5	13.5	13.5	13.3	13.0	12.7	12.4	12.1	12.4
77.5°	10.2	10.6	10.9	10.7	10.4	10.2	10.2	10.2	9.8	9.5	9.8
80°	8.5	8.8	9.2	9.0	8.7	8.5	8.5	8.4	8.1	7.8	8.1
82.5°	6.8	6.9	6.9	6.9	6.9	6.8	6.8	6.7	6.4	6.1	6.4
85°	4.3	4.3	4.3	4.0	3.7	3.6	3.6	3.6	3.6	3.6	3.6
87.5°	1.8	2.9	4.2	4.9	5.3	5.4	5.4	5.6	5.8	5.8	5.8
90°	3.2	7.4	12.7	16.9	20.1	21.1	21.1	22.2	23.2	23.2	23.2
92.5°	11.6	18.4	18.6	18.6	22.6	24.5	26.2	26.4	27.5	27.5	27.5
95°	32.8	35.9	53.9	52.8	35.9	28.5	24.3	24.3	24.3	24.3	24.3
97.5°	62.6	67.2	70.2	94.0	99.3	95.9	78.2	65.7	58.8	55.6	58.8
100°	88.8	90.9	97.2	98.3	124.7	150.0	137.4	121.5	116.2	113.1	116.2
102.5°	115.0	116.2	126.0	130.4	136.5	150.9	194.9	190.0	186.4	185.8	186.4
105°	154.3	155.3	173.3	181.7	186.0	186.0	184.9	206.1	239.9	247.3	239.9
107.5°	196.3	201.2	222.3	244.9	249.8	251.1	245.6	242.4	241.1	242.0	241.1
110°	225.1	232.5	257.8	286.4	293.8	295.9	293.8	290.6	288.5	288.5	288.5



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CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	253.0	263.7	292.5	325.2	337.7	344.1	339.4	337.1	335.0	336.7	335.0
115°	295.9	311.7	349.8	383.6	408.9	412.1	411.0	411.0	410.0	410.0	410.0
117.5°	335.6	361.0	403.7	443.0	472.3	480.8	485.0	483.7	482.5	484.6	482.5
120°	363.5	393.1	441.7	486.1	514.6	527.3	531.5	529.4	531.5	529.4	531.5
122.5°	393.1	429.4	477.2	523.3	556.9	571.2	576.3	576.7	577.2	575.9	577.2
125°	437.5	481.8	537.8	585.4	620.3	637.2	641.4	642.5	644.6	649.9	644.6
127.5°	482.3	532.6	594.1	639.9	675.6	696.1	702.7	705.0	709.5	711.8	709.5
130°	513.5	570.6	632.9	676.3	711.1	733.3	745.0	748.1	753.4	752.4	753.4
132.5°	546.5	606.1	669.3	714.3	746.6	770.5	780.5	789.5	791.5	792.9	791.5
135°	594.9	659.4	722.8	767.1	797.8	821.0	833.7	842.2	847.5	850.6	847.5
137.5°	645.8	713.9	774.8	814.3	845.1	865.2	879.6	888.5	893.9	896.5	893.9
140°	680.5	746.0	805.2	846.4	873.9	893.9	906.6	917.2	923.5	923.5	923.5
142.5°	713.5	778.1	835.6	876.8	900.9	919.3	932.8	940.9	948.0	948.0	948.0
145°	759.7	824.2	877.0	918.3	938.3	955.2	970.0	976.4	980.6	980.6	980.6
147.5°	808.1	865.2	913.4	952.9	969.8	989.7	1001.3	1006.4	1011.7	1009.3	1011.7
150°	836.9	889.7	936.2	973.2	990.1	1009.1	1020.7	1025.0	1030.3	1027.1	1030.3
152.5°	864.8	915.1	957.3	991.8	1006.2	1025.2	1038.5	1042.7	1046.3	1044.0	1046.3
155°	902.4	946.8	985.9	1017.6	1030.3	1048.2	1060.9	1066.2	1070.4	1065.1	1070.4
157.5°	936.0	974.3	1008.3	1037.4	1051.0	1066.4	1078.2	1084.8	1089.0	1086.7	1089.0
160°	956.3	991.2	1021.8	1049.3	1062.0	1075.7	1088.4	1095.8	1100.0	1096.8	1100.0
162.5°	973.2	1004.7	1033.6	1058.6	1069.6	1081.6	1096.8	1103.4	1107.6	1103.6	1107.6
165°	997.5	1022.9	1048.2	1069.4	1078.9	1088.4	1104.2	1111.6	1114.8	1110.6	1114.8
167.5°	1015.9	1035.3	1055.8	1074.0	1081.0	1090.3	1106.1	1112.3	1116.3	1111.0	1116.3
170°	1026.0	1042.9	1060.9	1075.7	1081.0	1089.4	1105.3	1110.6	1113.7	1108.5	1113.7
172.5°	1034.5	1047.2	1061.7	1074.9	1077.6	1084.4	1099.4	1104.6	1107.0	1102.5	1107.0
175°	1042.9	1050.3	1060.9	1069.4	1068.3	1072.5	1085.2	1089.4	1093.7	1087.3	1093.7
177.5°	1047.0	1050.3	1053.7	1058.8	1055.4	1055.4	1064.7	1067.2	1068.1	1064.7	1068.1
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



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CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5
2.5°	1486.2	1482.3	1476.8	1476.7	1482.0	1486.4	1488.2	1489.9	1488.2	1486.4	1482.0
5°	1491.5	1485.1	1476.3	1474.9	1480.9	1485.9	1488.1	1490.3	1488.1	1485.9	1480.9
7.5°	1491.0	1486.3	1479.6	1478.6	1483.2	1486.9	1487.8	1488.8	1487.8	1486.9	1483.2
10°	1489.4	1484.4	1477.5	1477.3	1484.0	1488.8	1488.5	1488.2	1488.5	1488.8	1484.0
12.5°	1483.4	1479.9	1474.4	1476.6	1486.2	1492.8	1490.2	1487.6	1490.2	1492.8	1486.2
15°	1464.0	1464.8	1464.8	1471.6	1485.1	1494.1	1489.0	1484.0	1489.0	1494.1	1485.1
17.5°	1429.0	1433.6	1438.5	1449.9	1468.1	1480.2	1474.2	1468.2	1474.2	1480.2	1468.1
20°	1398.3	1404.6	1412.5	1427.0	1448.2	1462.6	1456.6	1450.6	1456.6	1462.6	1448.2
22.5°	1366.2	1373.3	1382.0	1397.6	1420.3	1435.7	1429.2	1422.7	1429.2	1435.7	1420.3
25°	1314.6	1320.3	1326.6	1341.3	1364.3	1380.3	1375.3	1370.2	1375.3	1380.3	1364.3
27.5°	1240.5	1247.1	1254.3	1268.8	1290.4	1305.9	1303.1	1300.3	1303.1	1305.9	1290.4
30°	1183.6	1192.6	1202.0	1215.3	1232.4	1244.8	1243.6	1242.3	1243.6	1244.8	1232.4
32.5°	1120.8	1129.1	1138.0	1150.0	1165.1	1176.0	1174.8	1173.5	1174.8	1176.0	1165.1
35°	1009.8	1019.2	1029.6	1039.4	1048.5	1055.6	1056.2	1056.8	1056.2	1055.6	1048.5
37.5°	876.4	884.2	892.4	900.1	907.4	912.6	911.7	910.8	911.7	912.6	907.4
40°	770.7	780.1	792.1	801.1	807.1	811.5	810.8	810.2	810.8	811.5	807.1
42.5°	667.5	676.3	685.5	694.2	702.5	706.3	696.9	687.4	696.9	706.3	702.5
45°	499.9	515.7	526.8	532.3	532.3	525.1	496.4	467.6	496.4	525.1	532.3
47.5°	294.5	328.4	361.2	368.8	351.0	329.5	296.8	264.1	296.8	329.5	351.0
50°	176.7	213.9	259.4	267.5	238.1	210.5	188.4	166.3	188.4	210.5	238.1
52.5°	124.7	155.2	193.6	197.3	166.4	140.5	129.2	118.0	129.2	140.5	166.4
55°	77.5	91.2	108.6	109.5	94.1	81.4	77.3	73.2	77.3	81.4	94.1
57.5°	52.0	57.6	63.6	63.6	57.6	52.0	47.7	43.5	47.7	52.0	57.6
60°	34.0	39.6	45.9	46.5	41.5	36.8	33.3	29.8	33.3	36.8	41.5
62.5°	27.1	31.2	36.3	36.7	32.4	28.8	27.3	25.9	27.3	28.8	32.4
65°	22.6	23.2	23.8	24.0	23.7	23.4	23.1	22.7	23.1	23.4	23.7
67.5°	19.9	20.1	20.2	20.3	20.6	20.7	20.4	20.0	20.4	20.7	20.6
70°	17.7	18.0	18.3	18.5	18.5	18.4	18.1	17.8	18.1	18.4	18.5
72.5°	15.9	16.1	16.2	16.3	16.6	16.7	16.4	16.1	16.4	16.7	16.6
75°	12.7	13.0	13.3	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
77.5°	10.2	10.2	10.2	10.4	10.7	10.9	10.6	10.2	10.6	10.9	10.7
80°	8.4	8.5	8.5	8.7	9.0	9.2	8.8	8.5	8.8	9.2	9.0
82.5°	6.7	6.8	6.8	6.9	6.9	6.9	6.9	6.8	6.9	6.9	6.9
85°	3.6	3.6	3.6	3.7	4.0	4.3	4.3	4.3	4.3	4.3	4.0
87.5°	5.6	5.4	5.4	5.3	4.9	4.2	2.9	1.8	2.9	4.0	5.3
90°	22.2	21.1	21.1	20.1	16.9	12.7	7.4	3.2	7.4	11.6	19.0
92.5°	26.4	26.2	24.5	22.6	18.6	18.6	18.4	11.6	20.1	28.5	41.0
95°	24.3	24.3	28.5	35.9	52.8	53.9	35.9	32.8	46.5	65.5	82.4
97.5°	65.7	78.2	95.9	99.3	94.0	70.2	67.2	62.6	85.2	104.0	131.2
100°	121.5	137.4	150.0	124.7	98.3	97.2	90.9	88.8	113.1	131.0	157.4
102.5°	190.0	194.9	150.9	136.5	130.4	126.0	116.2	115.0	139.3	164.0	186.2
105°	206.1	184.9	186.0	186.0	181.7	173.3	155.3	154.3	181.7	210.3	237.8
107.5°	242.4	245.6	251.1	249.8	244.9	222.3	201.2	196.3	221.1	255.3	285.5
110°	290.6	293.8	295.9	293.8	286.4	257.8	232.5	225.1	247.3	283.2	315.9



TEST NUMBER: P1428529

CATALOG NUMBER: SQ2W-WBM-K-075U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	337.1	339.4	344.1	337.7	325.2	292.5	263.7	253.0	275.2	311.9	345.5
115°	411.0	411.0	412.1	408.9	383.6	349.8	311.7	295.9	314.9	348.7	385.7
117.5°	483.7	485.0	480.8	472.3	443.0	403.7	361.0	335.6	350.6	386.3	424.4
120°	529.4	531.5	527.3	514.6	486.1	441.7	393.1	363.5	375.1	410.0	448.0
122.5°	576.7	576.3	571.2	556.9	523.3	477.2	429.4	393.1	397.9	430.3	467.5
125°	642.5	641.4	637.2	620.3	585.4	537.8	481.8	437.5	431.1	458.6	496.6
127.5°	705.0	702.7	696.1	675.6	639.9	594.1	532.6	482.3	468.1	485.4	520.3
130°	748.1	745.0	733.3	711.1	676.3	632.9	570.6	513.5	493.5	504.0	534.7
132.5°	789.5	780.5	770.5	746.6	714.3	669.3	606.1	546.5	518.8	523.5	547.4
135°	842.2	833.7	821.0	797.8	767.1	722.8	659.4	594.9	556.9	552.6	566.4
137.5°	888.5	879.6	865.2	845.1	814.3	774.8	713.9	645.8	597.9	583.7	589.0
140°	917.2	906.6	893.9	873.9	846.4	805.2	746.0	680.5	626.6	606.5	603.4
142.5°	940.9	932.8	919.3	900.9	876.8	835.6	778.1	713.5	656.2	630.2	622.8
145°	976.4	970.0	955.2	938.3	918.3	877.0	824.2	759.7	702.7	668.9	653.0
147.5°	1006.4	1001.3	989.7	969.8	952.9	913.4	865.2	808.1	749.6	707.8	687.3
150°	1025.0	1020.7	1009.1	990.1	973.2	936.2	889.7	836.9	780.9	736.5	710.1
152.5°	1042.7	1038.5	1025.2	1006.2	991.8	957.3	915.1	864.8	807.9	763.6	736.3
155°	1066.2	1060.9	1048.2	1030.3	1017.6	985.9	946.8	902.4	853.8	807.3	776.7
157.5°	1084.8	1078.2	1066.4	1051.0	1037.4	1008.3	974.3	936.0	893.5	849.1	817.9
160°	1095.8	1088.4	1075.7	1062.0	1049.3	1021.8	991.2	956.3	917.2	877.0	843.2
162.5°	1103.4	1096.8	1081.6	1069.6	1058.6	1033.6	1004.7	973.2	938.3	903.2	872.0
165°	1111.6	1104.2	1088.4	1078.9	1069.4	1048.2	1022.9	997.5	967.9	939.4	914.0
167.5°	1112.3	1106.1	1090.3	1081.0	1074.0	1055.8	1035.3	1015.9	992.9	970.5	949.3
170°	1110.6	1105.3	1089.4	1081.0	1075.7	1060.9	1042.9	1026.0	1008.1	989.0	972.1
172.5°	1104.6	1099.4	1084.4	1077.6	1074.9	1061.7	1047.2	1034.5	1019.1	1005.1	991.6
175°	1089.4	1085.2	1072.5	1068.3	1069.4	1060.9	1050.3	1042.9	1033.4	1025.0	1017.6
177.5°	1067.2	1064.7	1055.4	1055.4	1058.8	1053.7	1050.3	1047.0	1042.7	1040.2	1037.7
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1428529

CATALOG NUMBER: SQ2W-WBM-K-075U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5	1482.5
2.5°	1476.7	1476.8	1482.3	1486.2	1484.9	1483.7	1484.9	1486.2	1482.3	1476.8	1476.7
5°	1474.9	1476.3	1485.1	1491.5	1490.6	1489.6	1490.6	1491.5	1485.1	1476.3	1474.9
7.5°	1478.6	1479.6	1486.3	1491.0	1489.5	1488.1	1489.5	1491.0	1486.3	1479.6	1478.6
10°	1477.3	1477.5	1484.4	1489.4	1488.5	1487.5	1488.5	1489.4	1484.4	1477.5	1477.3
12.5°	1476.6	1474.4	1479.9	1483.4	1481.2	1479.0	1481.2	1483.4	1479.9	1474.4	1476.6
15°	1471.6	1464.8	1464.8	1464.0	1460.8	1457.7	1460.8	1464.0	1464.8	1464.8	1471.6
17.5°	1449.9	1438.5	1433.6	1429.0	1425.1	1421.3	1425.1	1429.0	1433.6	1438.5	1449.9
20°	1427.0	1412.5	1404.6	1398.3	1396.7	1395.1	1396.7	1398.3	1404.6	1412.5	1427.0
22.5°	1397.6	1382.0	1373.3	1366.2	1363.6	1361.0	1363.6	1366.2	1373.3	1382.0	1397.6
25°	1341.3	1326.6	1320.3	1314.6	1311.2	1307.7	1311.2	1314.6	1320.3	1326.6	1341.3
27.5°	1268.8	1254.3	1247.1	1240.5	1235.7	1230.9	1235.7	1240.5	1247.1	1254.3	1268.8
30°	1215.3	1202.0	1192.6	1183.6	1176.0	1168.4	1176.0	1183.6	1192.6	1202.0	1215.3
32.5°	1150.0	1138.0	1129.1	1120.8	1114.8	1108.7	1114.8	1120.8	1129.1	1138.0	1150.0
35°	1039.4	1029.6	1019.2	1009.8	1003.4	997.1	1003.4	1009.8	1019.2	1029.6	1039.4
37.5°	900.1	892.4	884.2	876.4	870.0	863.6	870.0	876.4	884.2	892.4	900.1
40°	801.1	792.1	780.1	770.7	769.1	767.6	769.1	770.7	780.1	792.1	801.1
42.5°	694.2	685.5	676.3	667.5	660.1	652.7	660.1	667.5	676.3	685.5	694.2
45°	532.3	526.8	515.7	499.9	469.5	439.2	469.5	499.9	515.7	526.8	532.3
47.5°	368.8	361.2	328.4	294.5	257.7	220.9	257.7	294.5	328.4	361.2	368.8
50°	267.5	259.4	213.9	176.7	164.4	152.1	164.4	176.7	213.9	259.4	267.5
52.5°	197.3	193.6	155.2	124.7	118.2	111.7	118.2	124.7	155.2	193.6	197.3
55°	109.5	108.6	91.2	77.5	75.0	72.5	75.0	77.5	91.2	108.6	109.5
57.5°	63.6	63.6	57.6	52.0	48.0	44.1	48.0	52.0	57.6	63.6	63.6
60°	46.5	45.9	39.6	34.0	30.5	27.0	30.5	34.0	39.6	45.9	46.5
62.5°	36.7	36.3	31.2	27.1	25.9	24.7	25.9	27.1	31.2	36.3	36.7
65°	24.0	23.8	23.2	22.6	22.0	21.3	22.0	22.6	23.2	23.8	24.0
67.5°	20.3	20.2	20.1	19.9	19.3	18.8	19.3	19.9	20.1	20.2	20.3
70°	18.5	18.3	18.0	17.7	17.4	17.1	17.4	17.7	18.0	18.3	18.5
72.5°	16.3	16.2	16.1	15.9	15.4	14.8	15.4	15.9	16.1	16.2	16.3
75°	13.5	13.3	13.0	12.7	12.4	12.1	12.4	12.7	13.0	13.3	13.5
77.5°	10.4	10.2	10.2	10.2	9.8	9.5	9.8	10.2	10.2	10.2	10.4
80°	8.7	8.5	8.5	8.4	8.1	7.8	8.1	8.4	8.5	8.5	8.7
82.5°	6.9	6.8	6.8	6.7	6.4	6.1	6.4	6.7	6.8	6.8	6.9
85°	3.7	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.7
87.5°	6.1	7.5	9.0	9.8	10.6	10.2	10.6	9.8	9.0	7.5	6.1
90°	24.3	31.7	39.1	43.3	47.6	45.4	47.6	43.3	39.1	31.7	24.3
92.5°	48.8	61.3	70.4	78.0	81.4	80.9	81.4	78.0	70.4	61.3	48.8
95°	98.3	113.1	127.9	138.4	144.8	142.7	144.8	138.4	127.9	113.1	98.3
97.5°	151.5	171.4	187.9	197.8	204.1	208.4	204.1	197.8	187.9	171.4	151.5
100°	187.0	206.1	225.1	236.7	247.3	251.5	247.3	236.7	225.1	206.1	187.0
102.5°	215.8	240.7	261.4	273.9	282.8	287.0	282.8	273.9	261.4	240.7	215.8
105°	263.1	289.5	311.7	327.6	337.1	340.2	337.1	327.6	311.7	289.5	263.1
107.5°	310.5	337.7	358.2	375.8	387.4	394.1	387.4	375.8	358.2	337.7	310.5
110°	347.6	369.8	392.0	407.9	419.5	423.7	419.5	407.9	392.0	369.8	347.6



TEST NUMBER: P1428529

CATALOG NUMBER: SQ2W-WBM-K-075U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	378.9	403.7	425.8	441.7	455.0	460.9	455.0	441.7	425.8	403.7	378.9
115°	422.7	455.4	475.5	490.3	499.8	505.1	499.8	490.3	475.5	455.4	422.7
117.5°	459.0	493.3	515.2	526.6	531.1	534.9	531.1	526.6	515.2	493.3	459.0
120°	481.8	513.5	538.9	553.7	559.0	561.1	559.0	553.7	538.9	513.5	481.8
122.5°	503.0	533.0	557.5	575.7	584.3	586.5	584.3	575.7	557.5	533.0	503.0
125°	532.6	561.1	586.5	604.4	613.9	619.2	613.9	604.4	586.5	561.1	532.6
127.5°	558.3	589.2	612.4	628.7	638.0	642.2	638.0	628.7	612.4	589.2	558.3
130°	572.7	604.4	627.7	645.6	654.1	658.3	654.1	645.6	627.7	604.4	572.7
132.5°	583.7	617.1	641.2	657.5	666.8	671.0	666.8	657.5	641.2	617.1	583.7
135°	597.0	631.9	657.3	673.1	681.6	685.8	681.6	673.1	657.3	631.9	597.0
137.5°	608.6	640.3	666.8	683.5	691.1	693.8	691.1	683.5	666.8	640.3	608.6
140°	617.1	644.6	671.0	686.8	695.3	696.3	695.3	686.8	671.0	644.6	617.1
142.5°	628.1	649.6	672.7	688.5	697.0	698.9	697.0	688.5	672.7	649.6	628.1
145°	647.7	660.4	676.3	691.1	698.5	700.6	698.5	691.1	676.3	660.4	647.7
147.5°	672.5	676.5	684.7	694.4	701.6	703.1	701.6	694.4	684.7	676.5	672.5
150°	691.1	690.0	693.2	699.5	705.9	704.8	705.9	699.5	693.2	690.0	691.1
152.5°	712.2	706.1	705.9	708.8	711.8	711.6	711.8	708.8	705.9	706.1	712.2
155°	748.1	736.5	730.2	728.0	728.0	727.0	728.0	728.0	730.2	736.5	748.1
157.5°	787.6	771.4	761.9	756.8	755.3	753.0	755.3	756.8	761.9	771.4	787.6
160°	814.7	796.7	787.2	778.8	775.6	772.4	775.6	778.8	787.2	796.7	814.7
162.5°	840.1	822.9	812.6	805.0	801.8	796.9	801.8	805.0	812.6	822.9	840.1
165°	881.3	863.3	851.7	845.3	841.1	836.9	841.1	845.3	851.7	863.3	881.3
167.5°	922.5	902.8	895.2	888.0	884.0	876.4	884.0	888.0	895.2	902.8	922.5
170°	947.8	929.9	925.6	919.3	911.9	903.5	911.9	919.3	925.6	929.9	947.8
172.5°	969.8	957.8	953.5	947.2	944.9	938.1	944.9	947.2	953.5	957.8	969.8
175°	1001.7	992.2	992.2	991.2	988.0	981.7	988.0	991.2	992.2	992.2	1001.7
177.5°	1028.4	1023.3	1026.7	1026.7	1025.8	1019.9	1025.8	1026.7	1026.7	1023.3	1028.4
180°	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1428529

CATALOG NUMBER: SQ2W-WBM-K-075U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	1482.5	1482.5	1482.5	1482.5
2.5°	1482.0	1486.4	1488.2	1489.9
5°	1480.9	1485.9	1488.1	1490.3
7.5°	1483.2	1486.9	1487.8	1488.8
10°	1484.0	1488.8	1488.5	1488.2
12.5°	1486.2	1492.8	1490.2	1487.6
15°	1485.1	1494.1	1489.0	1484.0
17.5°	1468.1	1480.2	1474.2	1468.2
20°	1448.2	1462.6	1456.6	1450.6
22.5°	1420.3	1435.7	1429.2	1422.7
25°	1364.3	1380.3	1375.3	1370.2
27.5°	1290.4	1305.9	1303.1	1300.3
30°	1232.4	1244.8	1243.6	1242.3
32.5°	1165.1	1176.0	1174.8	1173.5
35°	1048.5	1055.6	1056.2	1056.8
37.5°	907.4	912.6	911.7	910.8
40°	807.1	811.5	810.8	810.2
42.5°	702.5	706.3	696.9	687.4
45°	532.3	525.1	496.4	467.6
47.5°	351.0	329.5	296.8	264.1
50°	238.1	210.5	188.4	166.3
52.5°	166.4	140.5	129.2	118.0
55°	94.1	81.4	77.3	73.2
57.5°	57.6	52.0	47.7	43.5
60°	41.5	36.8	33.3	29.8
62.5°	32.4	28.8	27.3	25.9
65°	23.7	23.4	23.1	22.7
67.5°	20.6	20.7	20.4	20.0
70°	18.5	18.4	18.1	17.8
72.5°	16.6	16.7	16.4	16.1
75°	13.5	13.5	13.5	13.5
77.5°	10.7	10.9	10.6	10.2
80°	9.0	9.2	8.8	8.5
82.5°	6.9	6.9	6.9	6.8
85°	4.0	4.3	4.3	4.3
87.5°	5.3	4.0	2.9	1.8
90°	19.0	11.6	7.4	3.2
92.5°	41.0	28.5	20.1	11.6
95°	82.4	65.5	46.5	32.8
97.5°	131.2	104.0	85.2	62.6
100°	157.4	131.0	113.1	88.8
102.5°	186.2	164.0	139.3	115.0
105°	237.8	210.3	181.7	154.3
107.5°	285.5	255.3	221.1	196.3
110°	315.9	283.2	247.3	225.1

TEST NUMBER: P1428529

CATALOG NUMBER: SQ2W-WBM-K-075U-050D-L940-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	345.5	311.9	275.2	253.0
115°	385.7	348.7	314.9	295.9
117.5°	424.4	386.3	350.6	335.6
120°	448.0	410.0	375.1	363.5
122.5°	467.5	430.3	397.9	393.1
125°	496.6	458.6	431.1	437.5
127.5°	520.3	485.4	468.1	482.3
130°	534.7	504.0	493.5	513.5
132.5°	547.4	523.5	518.8	546.5
135°	566.4	552.6	556.9	594.9
137.5°	589.0	583.7	597.9	645.8
140°	603.4	606.5	626.6	680.5
142.5°	622.8	630.2	656.2	713.5
145°	653.0	668.9	702.7	759.7
147.5°	687.3	707.8	749.6	808.1
150°	710.1	736.5	780.9	836.9
152.5°	736.3	763.6	807.9	864.8
155°	776.7	807.3	853.8	902.4
157.5°	817.9	849.1	893.5	936.0
160°	843.2	877.0	917.2	956.3
162.5°	872.0	903.2	938.3	973.2
165°	914.0	939.4	967.9	997.5
167.5°	949.3	970.5	992.9	1015.9
170°	972.1	989.0	1008.1	1026.0
172.5°	991.6	1005.1	1019.1	1034.5
175°	1017.6	1025.0	1033.4	1042.9
177.5°	1037.7	1040.2	1042.7	1047.0
180°	1046.1	1046.1	1046.1	1046.1



TEST NUMBER: P1428529
 CATALOG NUMBER: SQ2W-WBM-K-075U-050D-L940-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	2.26	2.95	3.31	3.98	5.36	2.24	2.93	3.28	3.96	5.33
	3H	2.95	3.56	4.00	4.60	5.99	2.86	3.47	3.91	4.51	5.90
	4H	3.31	3.89	4.37	4.93	6.33	3.16	3.74	4.23	4.78	6.18
	6H	3.58	4.11	4.65	5.15	6.56	3.39	3.92	4.46	4.97	6.38
	8H	3.70	4.20	4.77	5.25	6.66	3.49	3.99	4.56	5.05	6.46
	12H	3.77	4.25	4.85	5.30	6.73	3.54	4.01	4.62	5.07	6.50
4H	2H	2.35	2.93	3.42	3.97	5.37	2.33	2.90	3.40	3.94	5.35
	3H	3.29	3.76	4.36	4.83	6.25	3.20	3.67	4.27	4.74	6.15
	4H	3.79	4.23	4.87	5.29	6.72	3.64	4.07	4.72	5.13	6.57
	6H	4.22	4.59	5.31	5.67	7.10	4.01	4.38	5.10	5.46	6.90
	8H	4.41	4.75	5.49	5.83	7.27	4.17	4.52	5.26	5.59	7.04
	12H	4.53	4.84	5.63	5.93	7.38	4.27	4.58	5.37	5.66	7.11
8H	4H	3.91	4.25	4.99	5.33	6.77	3.77	4.11	4.85	5.19	6.63
	6H	4.48	4.77	5.59	5.88	7.33	4.28	4.57	5.39	5.68	7.13
	8H	4.77	5.02	5.89	6.12	7.58	4.55	4.80	5.66	5.90	7.36
	12H	4.99	5.21	6.11	6.30	7.81	4.72	4.94	5.83	6.03	7.53
12H	4H	3.88	4.19	4.99	5.28	6.73	3.75	4.06	4.85	5.15	6.60
	6H	4.52	4.77	5.63	5.87	7.33	4.33	4.58	5.44	5.68	7.14
	8H	4.84	5.06	5.96	6.15	7.66	4.63	4.84	5.74	5.94	7.44