

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: P1428415

Luminaire Tested: SQ2W-PW1-K-075U-125D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428415
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PW1-K-075U-125D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE WAVES LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1250 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

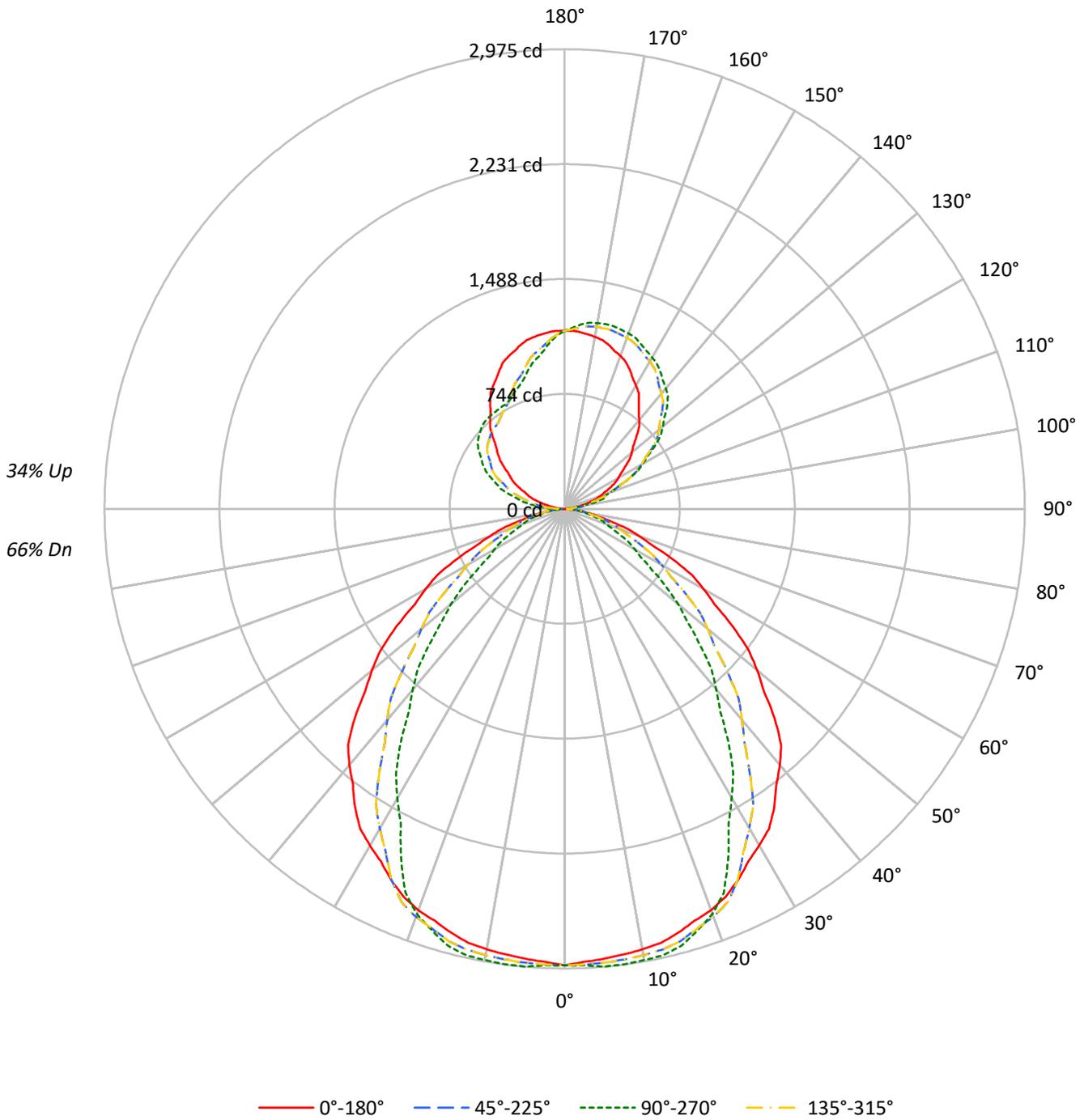
Lumens per Lamp: N/A
Luminaire Lumens: 9927.6 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.11 / 1.23
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 72.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1428415

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L840-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428415

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L840-UNV-STD-W-WM-4

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	111	111	111	111	104	104	104	104	92	92	92	81	81	81	71	71	71	66				
1	102	98	94	91	96	93	89	86	82	80	78	73	71	69	64	63	61	57				
2	94	87	81	76	88	82	77	72	73	69	65	65	62	59	57	55	53	49				
3	86	77	70	64	81	73	66	61	65	60	56	58	54	51	51	48	46	42				
4	79	68	61	55	74	65	58	53	58	53	48	52	48	44	46	43	40	37				
5	73	61	53	48	69	58	51	46	53	47	42	47	42	39	42	38	35	33				
6	67	55	47	42	63	53	46	40	48	42	37	43	38	34	38	35	32	29				
7	63	50	43	37	59	48	41	36	43	38	33	39	34	31	35	31	28	26				
8	58	46	38	33	55	44	37	32	40	34	30	36	31	28	33	29	26	23				
9	54	42	35	30	51	40	33	29	37	31	27	33	29	25	30	26	23	21				
10	51	39	32	27	48	37	31	26	34	28	24	31	26	23	28	24	21	19				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	47713	47713	47713	47713
5°	47395	48215	47395	48215
10°	47480	48635	47480	48635
15°	47468	48927	47468	48927
20°	47489	47971	47489	47971
25°	47232	44574	47232	44574
30°	46910	40297	46910	40297
35°	46543	36391	46543	36391
40°	45618	32152	45618	32152
45°	43828	28083	43828	28083
50°	40792	24035	40792	24035
55°	37314	19490	37314	19490
60°	33444	16814	33444	16814
65°	29245	14945	29245	14945
70°	23915	13553	23915	13553
75°	18608	12464	18608	12464
80°	13872	10990	13872	10990
85°	9392	6261	9392	6261

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 43828 cd/sqm



TEST NUMBER: P1428415

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L840-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	281.4	2.8
10°-20°	815.4	8.2
20°-30°	1199.9	12.1
30°-40°	1311.9	13.2
40°-50°	1176.9	11.9
50°-60°	877.9	8.8
60°-70°	554.9	5.6
70°-80°	274.9	2.8
80°-90°	69.1	0.7
90°-100°	91.7	0.9
100°-110°	267.5	2.7
110°-120°	436.5	4.4
120°-130°	553.9	5.6
130°-140°	592.7	6.0
140°-150°	553.5	5.6
150°-160°	455.4	4.6
160°-170°	305.4	3.1
170°-180°	108.5	1.1
0°-30°	2296.7	23.1
0°-40°	3608.6	36.3
0°-60°	5663.4	57.0
0°-90°	6562.3	66.1
90°-120°	795.8	8.0
90°-150°	2495.9	25.1
90°-180°	3365.0	33.9
0°-180°	9927.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2955	2955	2955	2955	2955	
5°	2924	2975	2924	2975	2924	278
15°	2840	2927	2840	2927	2840	802
25°	2651	2502	2651	2502	2651	1221
35°	2361	1846	2361	1846	2361	1473
45°	1920	1230	1920	1230	1920	1472
55°	1326	692	1326	692	1326	1184
65°	766	391	766	391	766	759
75°	298	200	298	200	298	329
85°	51	34	51	34	51	64
90°	4	26	4	50	4	5
95°	36	27	36	157	36	44
105°	170	272	170	375	170	181
115°	326	452	326	556	326	321
125°	482	716	482	682	482	431
135°	655	937	655	756	655	506
145°	837	1080	837	772	837	524
155°	994	1174	994	801	994	457
165°	1099	1224	1099	922	1099	309
175°	1149	1198	1149	1082	1149	109
180°	1153	1153	1153	1153	1153	



TEST NUMBER: P1428415

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2955.2	2955.2	2955.2	2955.2	2955.2	2955.2	2955.2	2955.2	2955.2	2955.2	2955.2
2.5°	2935.0	2952.0	2969.0	2965.0	2954.0	2949.0	2950.0	2951.5	2954.5	2957.5	2954.5
5°	2924.3	2945.5	2966.8	2963.7	2952.4	2947.4	2948.7	2952.4	2963.7	2974.9	2963.7
7.5°	2909.6	2931.2	2952.7	2951.7	2943.2	2941.0	2945.3	2951.2	2962.2	2973.3	2962.2
10°	2896.1	2918.7	2941.2	2941.2	2933.7	2933.0	2939.3	2946.5	2956.5	2966.5	2956.5
12.5°	2878.1	2901.6	2925.2	2926.9	2921.4	2922.3	2929.5	2937.5	2947.5	2957.5	2947.5
15°	2839.8	2864.9	2889.9	2895.2	2893.9	2897.7	2906.5	2914.6	2920.8	2927.1	2920.8
17.5°	2795.4	2820.4	2845.4	2850.4	2848.6	2848.9	2851.1	2853.5	2856.5	2859.6	2856.5
20°	2763.9	2788.9	2813.9	2817.3	2813.6	2807.3	2798.6	2792.0	2792.0	2792.0	2792.0
22.5°	2718.8	2745.8	2772.9	2773.1	2764.3	2748.0	2724.3	2704.4	2696.4	2688.4	2696.4
25°	2651.3	2677.5	2703.8	2691.6	2666.6	2629.7	2580.9	2539.6	2520.9	2502.1	2520.9
27.5°	2572.5	2593.7	2615.0	2583.2	2533.6	2474.2	2404.9	2346.4	2320.4	2294.4	2320.4
30°	2516.2	2532.4	2548.7	2498.4	2425.8	2351.4	2275.1	2211.6	2186.6	2161.5	2186.6
32.5°	2457.6	2463.9	2470.1	2403.8	2313.2	2228.3	2149.0	2082.7	2055.7	2028.7	2055.7
35°	2361.4	2350.1	2338.9	2250.7	2136.8	2039.9	1959.8	1893.9	1870.1	1846.3	1870.1
37.5°	2247.7	2214.2	2180.6	2081.2	1959.9	1857.3	1773.5	1704.1	1677.8	1651.6	1677.8
40°	2164.4	2116.8	2069.3	1962.7	1836.3	1731.2	1647.4	1578.0	1551.7	1525.5	1551.7
42.5°	2072.0	2012.5	1953.0	1843.3	1717.0	1611.9	1528.1	1458.4	1431.2	1403.9	1431.2
45°	1919.5	1849.5	1779.4	1665.3	1536.4	1431.3	1350.0	1282.5	1256.2	1229.9	1256.2
47.5°	1747.8	1678.3	1608.7	1494.9	1366.3	1262.6	1183.8	1119.1	1096.5	1074.0	1096.5
50°	1624.0	1556.4	1488.9	1380.1	1257.5	1156.8	1078.0	1012.0	984.5	956.9	984.5
52.5°	1497.9	1437.3	1376.8	1272.0	1152.4	1052.2	971.4	901.4	863.9	826.3	863.9
55°	1325.6	1268.1	1210.6	1111.7	999.2	897.8	807.8	734.9	713.6	692.4	713.6
57.5°	1148.3	1098.5	1048.8	959.9	858.1	766.3	684.5	618.8	601.2	583.7	601.2
60°	1035.7	992.0	948.2	863.1	764.3	680.5	611.7	555.7	538.2	520.7	538.2
62.5°	927.7	888.9	850.1	768.6	672.7	597.4	542.6	497.9	483.4	468.9	483.4
65°	765.5	736.8	708.0	640.8	560.7	498.2	453.1	416.2	403.7	391.2	403.7
67.5°	607.9	591.9	575.9	525.6	463.8	413.1	373.6	341.9	333.6	325.4	333.6
70°	506.6	501.6	496.6	455.0	401.2	358.1	325.5	299.6	293.3	287.1	293.3
72.5°	418.8	420.8	422.8	388.2	341.4	305.3	279.8	259.6	255.3	251.1	255.3
75°	298.3	308.3	318.4	295.5	261.8	236.1	218.6	204.8	202.3	199.8	202.3
77.5°	203.2	218.2	233.2	218.4	193.6	174.8	161.7	151.5	149.5	147.5	149.5
80°	149.2	164.2	179.2	168.9	150.1	135.7	125.7	118.2	118.2	118.2	118.2
82.5°	104.1	116.1	128.2	120.8	107.1	97.7	92.7	88.9	88.9	88.9	88.9
85°	50.7	56.9	63.2	61.0	56.0	49.7	42.2	36.3	35.0	33.8	35.0
87.5°	14.2	18.1	22.3	20.2	15.9	13.2	12.2	11.6	11.9	11.9	11.9
90°	3.5	8.1	14.0	18.6	22.1	23.3	23.3	24.4	25.6	25.6	25.6
92.5°	12.8	20.3	20.5	20.5	24.9	27.0	28.9	29.1	30.3	30.3	30.3
95°	36.1	39.6	59.4	58.2	39.6	31.4	26.8	26.8	26.8	26.8	26.8
97.5°	68.9	74.0	77.3	103.6	109.4	105.7	86.2	72.4	64.7	61.2	64.7
100°	97.8	100.1	107.1	108.3	137.4	165.3	151.3	133.9	128.1	124.6	128.1
102.5°	126.7	128.1	138.8	143.7	150.4	166.2	214.7	209.3	205.4	204.7	205.4
105°	170.0	171.1	190.9	200.2	204.9	204.9	203.7	227.0	264.3	272.4	264.3
107.5°	216.3	221.7	244.9	269.9	275.2	276.6	270.6	267.1	265.7	266.6	265.7
110°	248.0	256.1	284.1	315.5	323.6	326.0	323.6	320.2	317.8	317.8	317.8



TEST NUMBER: P1428415

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	278.7	290.6	322.3	358.3	372.1	379.1	373.9	371.4	369.1	370.9	369.1
115°	326.0	343.4	385.4	422.6	450.5	454.0	452.9	452.9	451.7	451.7	451.7
117.5°	369.7	397.7	444.7	488.0	520.4	529.7	534.4	533.0	531.6	533.9	531.6
120°	400.5	433.1	486.6	535.5	567.0	580.9	585.6	583.3	585.6	583.3	585.6
122.5°	433.1	473.1	525.8	576.5	613.5	629.4	635.0	635.4	635.9	634.5	635.9
125°	482.0	530.9	592.6	645.0	683.4	702.0	706.7	707.8	710.2	716.0	710.2
127.5°	531.3	586.8	654.5	705.0	744.4	767.0	774.2	776.8	781.6	784.2	781.6
130°	565.8	628.7	697.4	745.1	783.5	808.0	820.8	824.3	830.1	828.9	830.1
132.5°	602.1	667.8	737.4	787.0	822.6	848.9	859.9	869.9	872.0	873.6	872.0
135°	655.4	726.5	796.3	845.2	879.0	904.6	918.6	927.9	933.7	937.2	933.7
137.5°	711.6	786.5	853.6	897.1	931.1	953.2	969.1	978.9	984.9	987.7	984.9
140°	749.7	821.9	887.1	932.5	962.8	984.9	998.9	1010.5	1017.5	1017.5	1017.5
142.5°	786.1	857.3	920.6	966.1	992.6	1012.9	1027.8	1036.6	1044.5	1044.5	1044.5
145°	837.1	908.1	966.3	1011.7	1033.8	1052.4	1068.7	1075.7	1080.4	1080.4	1080.4
147.5°	890.4	953.2	1006.3	1049.9	1068.5	1090.4	1103.2	1108.8	1114.6	1112.0	1114.6
150°	922.0	980.3	1031.5	1072.2	1090.9	1111.8	1124.6	1129.3	1135.1	1131.6	1135.1
152.5°	952.8	1008.2	1054.8	1092.7	1108.6	1129.5	1144.2	1148.8	1152.8	1150.2	1152.8
155°	994.2	1043.1	1086.2	1121.1	1135.1	1154.9	1168.9	1174.7	1179.3	1173.5	1179.3
157.5°	1031.2	1073.4	1110.9	1143.0	1157.9	1174.9	1187.9	1195.2	1199.8	1197.3	1199.8
160°	1053.6	1092.0	1125.8	1156.1	1170.0	1185.2	1199.1	1207.3	1211.9	1208.4	1211.9
162.5°	1072.2	1106.9	1138.8	1166.3	1178.4	1191.7	1208.4	1215.7	1220.3	1215.9	1220.3
165°	1099.0	1126.9	1154.9	1178.2	1188.6	1199.1	1216.6	1224.7	1228.2	1223.6	1228.2
167.5°	1119.3	1140.7	1163.3	1183.3	1191.0	1201.2	1218.7	1225.4	1229.9	1224.0	1229.9
170°	1130.4	1149.1	1168.9	1185.2	1191.0	1200.3	1217.8	1223.6	1227.1	1221.2	1227.1
172.5°	1139.8	1153.7	1169.8	1184.2	1187.3	1194.7	1211.2	1217.1	1219.6	1214.7	1219.6
175°	1149.1	1157.2	1168.9	1178.2	1177.0	1181.7	1195.6	1200.3	1204.9	1198.0	1204.9
177.5°	1153.5	1157.2	1160.9	1166.5	1162.8	1162.8	1173.0	1175.8	1176.8	1173.0	1176.8
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P1428415

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2955.2	2955.2	2955.2	2955.2	2955.2	2955.2	2955.2	2955.2	2955.2	2955.2	2955.2
2.5°	2951.5	2950.0	2949.0	2954.0	2965.0	2969.0	2952.0	2935.0	2952.0	2969.0	2965.0
5°	2952.4	2948.7	2947.4	2952.4	2963.7	2966.8	2945.5	2924.3	2945.5	2966.8	2963.7
7.5°	2951.2	2945.3	2941.0	2943.2	2951.7	2952.7	2931.2	2909.6	2931.2	2952.7	2951.7
10°	2946.5	2939.3	2933.0	2933.7	2941.2	2941.2	2918.7	2896.1	2918.7	2941.2	2941.2
12.5°	2937.5	2929.5	2922.3	2921.4	2926.9	2925.2	2901.6	2878.1	2901.6	2925.2	2926.9
15°	2914.6	2906.5	2897.7	2893.9	2895.2	2889.9	2864.9	2839.8	2864.9	2889.9	2895.2
17.5°	2853.5	2851.1	2848.9	2848.6	2850.4	2845.4	2820.4	2795.4	2820.4	2845.4	2850.4
20°	2792.0	2798.6	2807.3	2813.6	2817.3	2813.9	2788.9	2763.9	2788.9	2813.9	2817.3
22.5°	2704.4	2724.3	2748.0	2764.3	2773.1	2772.9	2745.8	2718.8	2745.8	2772.9	2773.1
25°	2539.6	2580.9	2629.7	2666.6	2691.6	2703.8	2677.5	2651.3	2677.5	2703.8	2691.6
27.5°	2346.4	2404.9	2474.2	2533.6	2583.2	2615.0	2593.7	2572.5	2593.7	2615.0	2583.2
30°	2211.6	2275.1	2351.4	2425.8	2498.4	2548.7	2532.4	2516.2	2532.4	2548.7	2498.4
32.5°	2082.7	2149.0	2228.3	2313.2	2403.8	2470.1	2463.9	2457.6	2463.9	2470.1	2403.8
35°	1893.9	1959.8	2039.9	2136.8	2250.7	2338.9	2350.1	2361.4	2350.1	2338.9	2250.7
37.5°	1704.1	1773.5	1857.3	1959.9	2081.2	2180.6	2214.2	2247.7	2214.2	2180.6	2081.2
40°	1578.0	1647.4	1731.2	1836.3	1962.7	2069.3	2116.8	2164.4	2116.8	2069.3	1962.7
42.5°	1458.4	1528.1	1611.9	1717.0	1843.3	1953.0	2012.5	2072.0	2012.5	1953.0	1843.3
45°	1282.5	1350.0	1431.3	1536.4	1665.3	1779.4	1849.5	1919.5	1849.5	1779.4	1665.3
47.5°	1119.1	1183.8	1262.6	1366.3	1494.9	1608.7	1678.3	1747.8	1678.3	1608.7	1494.9
50°	1012.0	1078.0	1156.8	1257.5	1380.1	1488.9	1556.4	1624.0	1556.4	1488.9	1380.1
52.5°	901.4	971.4	1052.2	1152.4	1272.0	1376.8	1437.3	1497.9	1437.3	1376.8	1272.0
55°	734.9	807.8	897.8	999.2	1111.7	1210.6	1268.1	1325.6	1268.1	1210.6	1111.7
57.5°	618.8	684.5	766.3	858.1	959.9	1048.8	1098.5	1148.3	1098.5	1048.8	959.9
60°	555.7	611.7	680.5	764.3	863.1	948.2	992.0	1035.7	992.0	948.2	863.1
62.5°	497.9	542.6	597.4	672.7	768.6	850.1	888.9	927.7	888.9	850.1	768.6
65°	416.2	453.1	498.2	560.7	640.8	708.0	736.8	765.5	736.8	708.0	640.8
67.5°	341.9	373.6	413.1	463.8	525.6	575.9	591.9	607.9	591.9	575.9	525.6
70°	299.6	325.5	358.1	401.2	455.0	496.6	501.6	506.6	501.6	496.6	455.0
72.5°	259.6	279.8	305.3	341.4	388.2	422.8	420.8	418.8	420.8	422.8	388.2
75°	204.8	218.6	236.1	261.8	295.5	318.4	308.3	298.3	308.3	318.4	295.5
77.5°	151.5	161.7	174.8	193.6	218.4	233.2	218.2	203.2	218.2	233.2	218.4
80°	118.2	125.7	135.7	150.1	168.9	179.2	164.2	149.2	164.2	179.2	168.9
82.5°	88.9	92.7	97.7	107.1	120.8	128.2	116.1	104.1	116.1	128.2	120.8
85°	36.3	42.2	49.7	56.0	61.0	63.2	56.9	50.7	56.9	63.2	61.0
87.5°	11.6	12.2	13.2	15.9	20.2	22.3	18.1	14.2	18.1	22.1	20.7
90°	24.4	23.3	23.3	22.1	18.6	14.0	8.1	3.5	8.1	12.8	21.0
92.5°	29.1	28.9	27.0	24.9	20.5	20.5	20.3	12.8	22.1	31.4	45.2
95°	26.8	26.8	31.4	39.6	58.2	59.4	39.6	36.1	51.2	72.2	90.8
97.5°	72.4	86.2	105.7	109.4	103.6	77.3	74.0	68.9	93.8	114.6	144.6
100°	133.9	151.3	165.3	137.4	108.3	107.1	100.1	97.8	124.6	144.4	173.5
102.5°	209.3	214.7	166.2	150.4	143.7	138.8	128.1	126.7	153.4	180.7	205.1
105°	227.0	203.7	204.9	204.9	200.2	190.9	171.1	170.0	200.2	231.7	261.9
107.5°	267.1	270.6	276.6	275.2	269.9	244.9	221.7	216.3	243.6	281.3	314.6
110°	320.2	323.6	326.0	323.6	315.5	284.1	256.1	248.0	272.4	312.0	348.1



TEST NUMBER: P1428415

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	371.4	373.9	379.1	372.1	358.3	322.3	290.6	278.7	303.2	343.7	380.7
115°	452.9	452.9	454.0	450.5	422.6	385.4	343.4	326.0	346.9	384.2	424.9
117.5°	533.0	534.4	529.7	520.4	488.0	444.7	397.7	369.7	386.3	425.6	467.5
120°	583.3	585.6	580.9	567.0	535.5	486.6	433.1	400.5	413.3	451.7	493.6
122.5°	635.4	635.0	629.4	613.5	576.5	525.8	473.1	433.1	438.4	474.1	515.0
125°	707.8	706.7	702.0	683.4	645.0	592.6	530.9	482.0	475.0	505.3	547.2
127.5°	776.8	774.2	767.0	744.4	705.0	654.5	586.8	531.3	515.7	534.8	573.3
130°	824.3	820.8	808.0	783.5	745.1	697.4	628.7	565.8	543.7	555.3	589.1
132.5°	869.9	859.9	848.9	822.6	787.0	737.4	667.8	602.1	571.6	576.7	603.1
135°	927.9	918.6	904.6	879.0	845.2	796.3	726.5	655.4	613.5	608.9	624.0
137.5°	978.9	969.1	953.2	931.1	897.1	853.6	786.5	711.6	658.7	643.1	648.9
140°	1010.5	998.9	984.9	962.8	932.5	887.1	821.9	749.7	690.4	668.3	664.8
142.5°	1036.6	1027.8	1012.9	992.6	966.1	920.6	857.3	786.1	723.0	694.3	686.2
145°	1075.7	1068.7	1052.4	1033.8	1011.7	966.3	908.1	837.1	774.2	736.9	719.5
147.5°	1108.8	1103.2	1090.4	1068.5	1049.9	1006.3	953.2	890.4	825.9	779.8	757.2
150°	1129.3	1124.6	1111.8	1090.9	1072.2	1031.5	980.3	922.0	860.3	811.4	782.3
152.5°	1148.8	1144.2	1129.5	1108.6	1092.7	1054.8	1008.2	952.8	890.1	841.3	811.2
155°	1174.7	1168.9	1154.9	1135.1	1121.1	1086.2	1043.1	994.2	940.7	889.4	855.7
157.5°	1195.2	1187.9	1174.9	1157.9	1143.0	1110.9	1073.4	1031.2	984.4	935.6	901.1
160°	1207.3	1199.1	1185.2	1170.0	1156.1	1125.8	1092.0	1053.6	1010.5	966.3	929.0
162.5°	1215.7	1208.4	1191.7	1178.4	1166.3	1138.8	1106.9	1072.2	1033.8	995.2	960.7
165°	1224.7	1216.6	1199.1	1188.6	1178.2	1154.9	1126.9	1099.0	1066.4	1035.0	1007.0
167.5°	1225.4	1218.7	1201.2	1191.0	1183.3	1163.3	1140.7	1119.3	1093.9	1069.2	1045.9
170°	1223.6	1217.8	1200.3	1191.0	1185.2	1168.9	1149.1	1130.4	1110.6	1089.7	1071.1
172.5°	1217.1	1211.2	1194.7	1187.3	1184.2	1169.8	1153.7	1139.8	1122.8	1107.4	1092.5
175°	1200.3	1195.6	1181.7	1177.0	1178.2	1168.9	1157.2	1149.1	1138.6	1129.3	1121.1
177.5°	1175.8	1173.0	1162.8	1162.8	1166.5	1160.9	1157.2	1153.5	1148.8	1146.0	1143.2
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P1428415

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2955.2	2955.2	2955.2	2955.2	2955.2	2955.2	2955.2	2955.2	2955.2	2955.2	2955.2
2.5°	2954.0	2949.0	2950.0	2951.5	2954.5	2957.5	2954.5	2951.5	2950.0	2949.0	2954.0
5°	2952.4	2947.4	2948.7	2952.4	2963.7	2974.9	2963.7	2952.4	2948.7	2947.4	2952.4
7.5°	2943.2	2941.0	2945.3	2951.2	2962.2	2973.3	2962.2	2951.2	2945.3	2941.0	2943.2
10°	2933.7	2933.0	2939.3	2946.5	2956.5	2966.5	2956.5	2946.5	2939.3	2933.0	2933.7
12.5°	2921.4	2922.3	2929.5	2937.5	2947.5	2957.5	2947.5	2937.5	2929.5	2922.3	2921.4
15°	2893.9	2897.7	2906.5	2914.6	2920.8	2927.1	2920.8	2914.6	2906.5	2897.7	2893.9
17.5°	2848.6	2848.9	2851.1	2853.5	2856.5	2859.6	2856.5	2853.5	2851.1	2848.9	2848.6
20°	2813.6	2807.3	2798.6	2792.0	2792.0	2792.0	2792.0	2792.0	2798.6	2807.3	2813.6
22.5°	2764.3	2748.0	2724.3	2704.4	2696.4	2688.4	2696.4	2704.4	2724.3	2748.0	2764.3
25°	2666.6	2629.7	2580.9	2539.6	2520.9	2502.1	2520.9	2539.6	2580.9	2629.7	2666.6
27.5°	2533.6	2474.2	2404.9	2346.4	2320.4	2294.4	2320.4	2346.4	2404.9	2474.2	2533.6
30°	2425.8	2351.4	2275.1	2211.6	2186.6	2161.5	2186.6	2211.6	2275.1	2351.4	2425.8
32.5°	2313.2	2228.3	2149.0	2082.7	2055.7	2028.7	2055.7	2082.7	2149.0	2228.3	2313.2
35°	2136.8	2039.9	1959.8	1893.9	1870.1	1846.3	1870.1	1893.9	1959.8	2039.9	2136.8
37.5°	1959.9	1857.3	1773.5	1704.1	1677.8	1651.6	1677.8	1704.1	1773.5	1857.3	1959.9
40°	1836.3	1731.2	1647.4	1578.0	1551.7	1525.5	1551.7	1578.0	1647.4	1731.2	1836.3
42.5°	1717.0	1611.9	1528.1	1458.4	1431.2	1403.9	1431.2	1458.4	1528.1	1611.9	1717.0
45°	1536.4	1431.3	1350.0	1282.5	1256.2	1229.9	1256.2	1282.5	1350.0	1431.3	1536.4
47.5°	1366.3	1262.6	1183.8	1119.1	1096.5	1074.0	1096.5	1119.1	1183.8	1262.6	1366.3
50°	1257.5	1156.8	1078.0	1012.0	984.5	956.9	984.5	1012.0	1078.0	1156.8	1257.5
52.5°	1152.4	1052.2	971.4	901.4	863.9	826.3	863.9	901.4	971.4	1052.2	1152.4
55°	999.2	897.8	807.8	734.9	713.6	692.4	713.6	734.9	807.8	897.8	999.2
57.5°	858.1	766.3	684.5	618.8	601.2	583.7	601.2	618.8	684.5	766.3	858.1
60°	764.3	680.5	611.7	555.7	538.2	520.7	538.2	555.7	611.7	680.5	764.3
62.5°	672.7	597.4	542.6	497.9	483.4	468.9	483.4	497.9	542.6	597.4	672.7
65°	560.7	498.2	453.1	416.2	403.7	391.2	403.7	416.2	453.1	498.2	560.7
67.5°	463.8	413.1	373.6	341.9	333.6	325.4	333.6	341.9	373.6	413.1	463.8
70°	401.2	358.1	325.5	299.6	293.3	287.1	293.3	299.6	325.5	358.1	401.2
72.5°	341.4	305.3	279.8	259.6	255.3	251.1	255.3	259.6	279.8	305.3	341.4
75°	261.8	236.1	218.6	204.8	202.3	199.8	202.3	204.8	218.6	236.1	261.8
77.5°	193.6	174.8	161.7	151.5	149.5	147.5	149.5	151.5	161.7	174.8	193.6
80°	150.1	135.7	125.7	118.2	118.2	118.2	118.2	118.2	125.7	135.7	150.1
82.5°	107.1	97.7	92.7	88.9	88.9	88.9	88.9	88.9	92.7	97.7	107.1
85°	56.0	49.7	42.2	36.3	35.0	33.8	35.0	36.3	42.2	49.7	56.0
87.5°	16.9	15.5	16.1	16.3	17.2	16.8	17.2	16.3	15.5	16.9	16.9
90°	26.8	34.9	43.1	47.7	52.4	50.1	52.4	47.7	43.1	34.9	26.8
92.5°	53.8	67.5	77.5	85.9	89.6	89.2	89.6	85.9	77.5	67.5	53.8
95°	108.3	124.6	140.9	152.5	159.5	157.2	159.5	152.5	140.9	124.6	108.3
97.5°	166.9	188.8	207.0	217.9	224.9	229.6	224.9	217.9	207.0	188.8	166.9
100°	206.1	227.0	248.0	260.8	272.4	277.1	272.4	260.8	248.0	227.0	206.1
102.5°	237.7	265.2	288.0	301.8	311.5	316.2	311.5	301.8	288.0	265.2	237.7
105°	289.9	319.0	343.4	360.9	371.4	374.9	371.4	360.9	343.4	319.0	289.9
107.5°	342.0	372.1	394.7	414.0	426.8	434.2	426.8	414.0	394.7	372.1	342.0
110°	383.0	407.5	431.9	449.4	462.2	466.8	462.2	449.4	431.9	407.5	383.0



TEST NUMBER: P1428415

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	417.5	444.7	469.2	486.6	501.3	507.8	501.3	486.6	469.2	444.7	417.5
115°	465.7	501.8	523.9	540.2	550.7	556.5	550.7	540.2	523.9	501.8	465.7
117.5°	505.7	543.4	567.7	580.2	585.1	589.3	585.1	580.2	567.7	543.4	505.7
120°	530.9	565.8	593.7	610.0	615.9	618.2	615.9	610.0	593.7	565.8	530.9
122.5°	554.2	587.2	614.2	634.3	643.8	646.1	643.8	634.3	614.2	587.2	554.2
125°	586.8	618.2	646.1	665.9	676.4	682.2	676.4	665.9	646.1	618.2	586.8
127.5°	615.2	649.2	674.8	692.7	702.9	707.6	702.9	692.7	674.8	649.2	615.2
130°	631.0	665.9	691.5	711.3	720.6	725.3	720.6	711.3	691.5	665.9	631.0
132.5°	643.1	679.9	706.4	724.4	734.6	739.3	734.6	724.4	706.4	679.9	643.1
135°	657.8	696.2	724.1	741.6	750.9	755.6	750.9	741.6	724.1	696.2	657.8
137.5°	670.6	705.5	734.6	753.0	761.4	764.4	761.4	753.0	734.6	705.5	670.6
140°	679.9	710.2	739.3	756.7	766.0	767.2	766.0	756.7	739.3	710.2	679.9
142.5°	692.0	715.7	741.1	758.6	767.9	770.0	767.9	758.6	741.1	715.7	692.0
145°	713.7	727.6	745.1	761.4	769.5	771.9	769.5	761.4	745.1	727.6	713.7
147.5°	740.9	745.3	754.4	765.1	773.0	774.7	773.0	765.1	754.4	745.3	740.9
150°	761.4	760.2	763.7	770.7	777.7	776.5	777.7	770.7	763.7	760.2	761.4
152.5°	784.7	777.9	777.7	780.9	784.2	784.0	784.2	780.9	777.7	777.9	784.7
155°	824.3	811.4	804.5	802.1	802.1	801.0	802.1	802.1	804.5	811.4	824.3
157.5°	867.8	849.9	839.4	833.8	832.2	829.6	832.2	833.8	839.4	849.9	867.8
160°	897.6	877.8	867.3	858.0	854.5	851.0	854.5	858.0	867.3	877.8	897.6
162.5°	925.5	906.7	895.3	886.9	883.4	878.0	883.4	886.9	895.3	906.7	925.5
165°	970.9	951.2	938.3	931.4	926.7	922.0	926.7	931.4	938.3	951.2	970.9
167.5°	1016.3	994.7	986.3	978.4	974.0	965.6	974.0	978.4	986.3	994.7	1016.3
170°	1044.3	1024.5	1019.8	1012.9	1004.7	995.4	1004.7	1012.9	1019.8	1024.5	1044.3
172.5°	1068.5	1055.2	1050.6	1043.6	1041.0	1033.6	1041.0	1043.6	1050.6	1055.2	1068.5
175°	1103.7	1093.2	1093.2	1092.0	1088.5	1081.5	1088.5	1092.0	1093.2	1093.2	1103.7
177.5°	1133.0	1127.4	1131.1	1131.1	1130.2	1123.7	1130.2	1131.1	1131.1	1127.4	1133.0
180°	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P1428415

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2955.2	2955.2	2955.2	2955.2
2.5°	2965.0	2969.0	2952.0	2935.0
5°	2963.7	2966.8	2945.5	2924.3
7.5°	2951.7	2952.7	2931.2	2909.6
10°	2941.2	2941.2	2918.7	2896.1
12.5°	2926.9	2925.2	2901.6	2878.1
15°	2895.2	2889.9	2864.9	2839.8
17.5°	2850.4	2845.4	2820.4	2795.4
20°	2817.3	2813.9	2788.9	2763.9
22.5°	2773.1	2772.9	2745.8	2718.8
25°	2691.6	2703.8	2677.5	2651.3
27.5°	2583.2	2615.0	2593.7	2572.5
30°	2498.4	2548.7	2532.4	2516.2
32.5°	2403.8	2470.1	2463.9	2457.6
35°	2250.7	2338.9	2350.1	2361.4
37.5°	2081.2	2180.6	2214.2	2247.7
40°	1962.7	2069.3	2116.8	2164.4
42.5°	1843.3	1953.0	2012.5	2072.0
45°	1665.3	1779.4	1849.5	1919.5
47.5°	1494.9	1608.7	1678.3	1747.8
50°	1380.1	1488.9	1556.4	1624.0
52.5°	1272.0	1376.8	1437.3	1497.9
55°	1111.7	1210.6	1268.1	1325.6
57.5°	959.9	1048.8	1098.5	1148.3
60°	863.1	948.2	992.0	1035.7
62.5°	768.6	850.1	888.9	927.7
65°	640.8	708.0	736.8	765.5
67.5°	525.6	575.9	591.9	607.9
70°	455.0	496.6	501.6	506.6
72.5°	388.2	422.8	420.8	418.8
75°	295.5	318.4	308.3	298.3
77.5°	218.4	233.2	218.2	203.2
80°	168.9	179.2	164.2	149.2
82.5°	120.8	128.2	116.1	104.1
85°	61.0	63.2	56.9	50.7
87.5°	20.7	22.1	18.1	14.2
90°	21.0	12.8	8.1	3.5
92.5°	45.2	31.4	22.1	12.8
95°	90.8	72.2	51.2	36.1
97.5°	144.6	114.6	93.8	68.9
100°	173.5	144.4	124.6	97.8
102.5°	205.1	180.7	153.4	126.7
105°	261.9	231.7	200.2	170.0
107.5°	314.6	281.3	243.6	216.3
110°	348.1	312.0	272.4	248.0



TEST NUMBER: P1428415

CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	380.7	343.7	303.2	278.7
115°	424.9	384.2	346.9	326.0
117.5°	467.5	425.6	386.3	369.7
120°	493.6	451.7	413.3	400.5
122.5°	515.0	474.1	438.4	433.1
125°	547.2	505.3	475.0	482.0
127.5°	573.3	534.8	515.7	531.3
130°	589.1	555.3	543.7	565.8
132.5°	603.1	576.7	571.6	602.1
135°	624.0	608.9	613.5	655.4
137.5°	648.9	643.1	658.7	711.6
140°	664.8	668.3	690.4	749.7
142.5°	686.2	694.3	723.0	786.1
145°	719.5	736.9	774.2	837.1
147.5°	757.2	779.8	825.9	890.4
150°	782.3	811.4	860.3	922.0
152.5°	811.2	841.3	890.1	952.8
155°	855.7	889.4	940.7	994.2
157.5°	901.1	935.6	984.4	1031.2
160°	929.0	966.3	1010.5	1053.6
162.5°	960.7	995.2	1033.8	1072.2
165°	1007.0	1035.0	1066.4	1099.0
167.5°	1045.9	1069.2	1093.9	1119.3
170°	1071.1	1089.7	1110.6	1130.4
172.5°	1092.5	1107.4	1122.8	1139.8
175°	1121.1	1129.3	1138.6	1149.1
177.5°	1143.2	1146.0	1148.8	1153.5
180°	1152.6	1152.6	1152.6	1152.6



TEST NUMBER: P1428415
 CATALOG NUMBER: SQ2W-PW1-K-075U-125D-L840-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	21.73	22.71	22.55	23.54	24.56	17.98	18.95	18.80	19.78	20.81
	3H	23.04	23.91	23.87	24.75	25.81	19.26	20.13	20.09	20.97	22.02
	4H	23.46	24.28	24.30	25.12	26.19	19.77	20.59	20.62	21.44	22.50
	6H	23.64	24.40	24.50	25.25	26.33	20.08	20.84	20.94	21.69	22.77
	8H	23.69	24.41	24.55	25.28	26.36	20.20	20.92	21.07	21.79	22.87
	12H	23.69	24.38	24.56	25.24	26.34	20.24	20.92	21.11	21.78	22.89
4H	2H	21.88	22.70	22.73	23.55	24.61	18.81	19.62	19.65	20.47	21.54
	3H	23.43	24.11	24.29	24.99	26.07	20.26	20.94	21.12	21.82	22.90
	4H	23.98	24.60	24.85	25.47	26.58	20.84	21.46	21.72	22.34	23.45
	6H	24.30	24.83	25.18	25.73	26.84	21.23	21.77	22.12	22.67	23.78
	8H	24.39	24.88	25.28	25.78	26.90	21.39	21.88	22.28	22.78	23.90
	12H	24.42	24.86	25.33	25.78	26.90	21.43	21.88	22.34	22.80	23.92
8H	4H	24.03	24.52	24.92	25.42	26.54	21.20	21.69	22.09	22.59	23.71
	6H	24.45	24.86	25.37	25.80	26.92	21.69	22.10	22.61	23.04	24.16
	8H	24.62	24.98	25.55	25.92	27.05	21.91	22.27	22.84	23.21	24.34
	12H	24.70	25.02	25.63	25.95	27.14	22.00	22.32	22.93	23.24	24.43
12H	4H	23.99	24.43	24.90	25.35	26.48	21.22	21.66	22.13	22.58	23.71
	6H	24.44	24.81	25.37	25.74	26.88	21.77	22.13	22.70	23.06	24.20
	8H	24.64	24.96	25.57	25.88	27.07	22.02	22.34	22.95	23.26	24.45