

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: P1428241

Luminaire Tested: SQ2W-PR1-K-075U-100D-L840-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428241
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PR1-K-075U-100D-L840-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE RIPPLE LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 1000 LUMENS PER FOOT
UPLIGHT 750 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

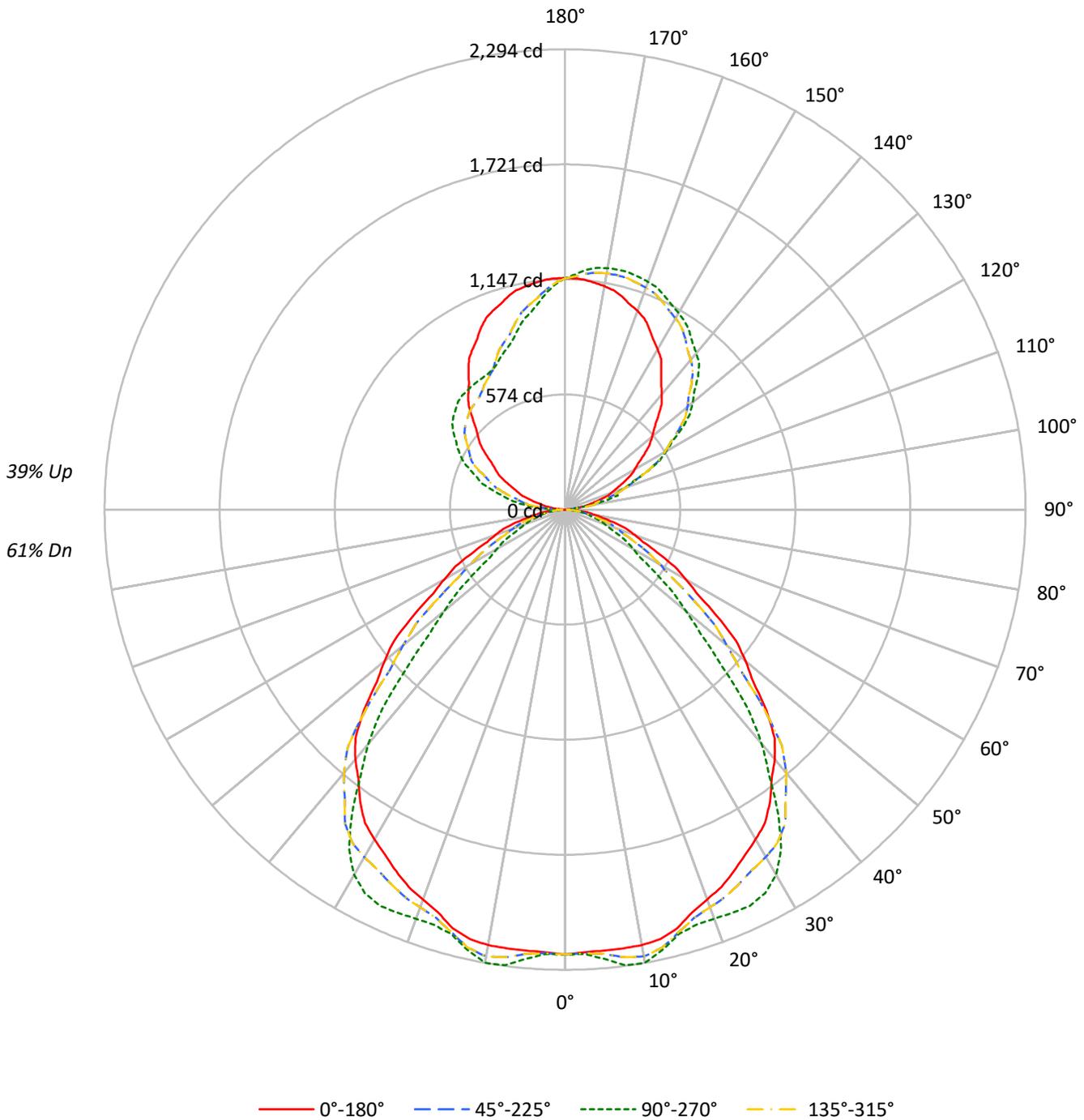
Lumens per Lamp: N/A
Luminaire Lumens: 8704.7 lumens
Efficiency: N/A
Efficacy: 142.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.34 / 1.36
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 61.2
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

TEST NUMBER: P1428241

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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	0
RCR																		
0	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	61
1	101	97	93	90	95	91	88	85	80	77	75	70	68	66	60	59	58	53
2	93	86	80	75	87	80	75	71	71	67	64	62	59	57	54	52	50	46
3	85	76	69	63	79	71	65	60	63	58	54	55	52	49	48	46	43	40
4	78	68	60	54	73	64	57	52	57	51	47	50	46	42	44	40	38	35
5	72	61	53	47	67	57	50	45	51	45	41	45	41	37	40	36	33	30
6	67	55	47	41	62	52	45	39	46	40	36	41	36	33	36	32	30	27
7	62	50	42	36	58	47	40	35	42	36	32	37	33	29	33	29	26	24
8	57	45	37	32	54	43	36	31	38	33	29	34	30	26	30	27	24	22
9	53	41	34	29	50	39	32	28	35	30	26	32	27	24	28	24	22	20
10	50	38	31	26	47	36	30	25	33	27	23	29	25	21	26	22	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	35801	35801	35801	35801
5°	35755	36414	35755	36414
10°	36132	37614	36132	37614
15°	36120	36611	36120	36611
20°	35535	37284	35535	37284
25°	35435	38818	35435	38818
30°	35398	39190	35398	39190
35°	35062	36487	35062	36487
40°	34254	32110	34254	32110
45°	32412	25393	32412	25393
50°	29466	19700	29466	19700
55°	25897	15333	25897	15333
60°	22407	12626	22407	12626
65°	19342	11052	19342	11052
70°	17391	9819	17391	9819
75°	15932	9027	15932	9027
80°	13872	8824	13872	8824
85°	10041	4187	10041	4187

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 34798 cd/sqm



TEST NUMBER: P1428241

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-L840-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.1	2.5
10°-20°	619.9	7.1
20°-30°	958.3	11.0
30°-40°	1152.4	13.2
40°-50°	1034.9	11.9
50°-60°	693.4	8.0
60°-70°	403.4	4.6
70°-80°	207.2	2.4
80°-90°	55.9	0.6
90°-100°	91.7	1.1
100°-110°	267.5	3.1
110°-120°	436.5	5.0
120°-130°	553.9	6.4
130°-140°	592.7	6.8
140°-150°	553.5	6.4
150°-160°	455.4	5.2
160°-170°	305.4	3.5
170°-180°	108.5	1.2
0°-30°	1792.3	20.6
0°-40°	2944.7	33.8
0°-60°	4673.0	53.7
0°-90°	5339.4	61.3
90°-120°	795.8	9.1
90°-150°	2495.9	28.7
90°-180°	3365.0	38.7
0°-180°	8704.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2217	2217	2217	2217	2217	
5°	2206	2247	2206	2247	2206	211
15°	2161	2190	2161	2190	2161	607
25°	1989	2179	1989	2179	1989	917
35°	1779	1851	1779	1851	1779	1109
45°	1420	1112	1420	1112	1420	1086
55°	920	545	920	545	920	827
65°	506	289	506	289	506	512
75°	255	145	255	145	255	271
85°	54	23	54	23	54	67
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: P1428241

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	2217.4	2217.4	2217.4	2217.4	2217.4	2217.4	2217.4	2217.4	2217.4	2217.4	2217.4
2.5°	2208.4	2220.4	2232.5	2227.1	2215.8	2210.6	2211.4	2212.6	2215.0	2217.4	2215.0
5°	2206.1	2223.2	2240.3	2236.3	2225.2	2220.7	2222.7	2226.7	2236.8	2246.8	2236.8
7.5°	2205.7	2230.0	2254.3	2256.2	2250.5	2250.6	2256.5	2264.1	2277.4	2290.7	2277.4
10°	2203.9	2233.0	2262.1	2266.4	2262.4	2260.9	2261.9	2266.1	2280.2	2294.3	2280.2
12.5°	2193.0	2227.0	2260.9	2257.4	2241.3	2232.5	2231.1	2232.0	2239.6	2247.3	2239.6
15°	2160.9	2201.1	2241.3	2225.0	2189.8	2173.7	2176.7	2180.3	2185.3	2190.3	2185.3
17.5°	2104.4	2146.4	2188.4	2173.7	2140.2	2128.8	2139.7	2150.3	2160.1	2170.0	2160.1
20°	2068.2	2109.4	2150.6	2140.6	2113.4	2106.9	2121.0	2135.8	2152.9	2170.0	2152.9
22.5°	2035.7	2076.9	2118.1	2111.6	2089.3	2088.0	2107.7	2128.4	2151.9	2175.4	2151.9
25°	1989.1	2025.3	2061.5	2062.2	2051.2	2062.2	2095.4	2126.8	2152.9	2179.0	2152.9
27.5°	1940.3	1961.6	1982.9	1997.0	2008.6	2036.8	2081.7	2119.8	2138.1	2156.4	2138.1
30°	1898.7	1912.8	1926.8	1953.0	1983.1	2017.8	2056.9	2088.1	2095.1	2102.1	2095.1
32.5°	1853.5	1861.9	1870.4	1907.2	1953.4	1986.8	2007.5	2020.8	2011.7	2002.7	2011.7
35°	1778.9	1785.9	1793.0	1839.9	1900.2	1922.3	1906.2	1889.4	1870.3	1851.2	1870.3
37.5°	1690.3	1704.8	1719.2	1757.5	1803.7	1803.3	1756.3	1715.6	1693.7	1671.8	1693.7
40°	1625.2	1649.3	1673.4	1699.0	1725.2	1703.1	1632.7	1573.7	1548.6	1523.5	1548.6
42.5°	1545.6	1584.2	1622.8	1628.5	1623.3	1575.9	1486.3	1411.4	1380.6	1349.9	1380.6
45°	1419.5	1471.8	1524.0	1494.1	1436.8	1359.5	1262.0	1180.4	1146.3	1112.1	1146.3
47.5°	1270.8	1324.4	1378.1	1321.7	1228.7	1138.7	1051.7	978.4	946.5	914.5	946.5
50°	1173.1	1216.3	1259.5	1195.7	1096.3	1005.9	924.5	854.7	819.5	784.3	819.5
52.5°	1073.7	1104.8	1136.0	1072.8	978.1	890.1	808.8	739.7	707.8	675.9	707.8
55°	920.0	936.0	952.1	893.6	810.2	729.8	652.5	589.0	566.9	544.7	566.9
57.5°	778.9	789.2	799.4	744.0	666.6	595.1	529.4	476.0	459.8	443.5	459.8
60°	693.9	701.0	708.0	651.7	574.4	510.1	458.9	417.2	404.1	391.0	404.1
62.5°	616.2	621.6	627.0	572.8	498.6	441.2	400.4	367.3	357.5	347.6	357.5
65°	506.3	511.3	516.4	470.2	406.9	359.7	328.5	303.4	296.4	289.3	296.4
67.5°	419.1	421.7	424.3	386.2	334.6	296.5	272.0	252.0	245.3	238.7	245.3
70°	368.4	369.4	370.4	336.8	291.6	257.9	235.8	218.0	213.0	208.0	213.0
72.5°	323.2	321.8	320.4	290.4	250.8	222.0	203.9	189.5	186.1	182.6	186.1
75°	255.4	252.4	249.4	224.5	192.4	170.3	158.2	148.7	146.7	144.7	146.7
77.5°	190.8	187.6	184.3	163.7	137.1	121.9	117.8	114.8	114.8	114.8	114.8
80°	149.2	145.2	141.1	125.1	105.0	94.9	94.9	94.9	94.9	94.9	94.9
82.5°	111.2	105.6	100.0	90.1	78.9	73.2	73.2	73.0	72.2	71.4	72.2
85°	54.2	49.2	44.2	42.9	42.9	39.9	33.9	28.6	25.6	22.6	25.6
87.5°	15.2	16.1	17.3	15.2	11.9	10.1	10.1	10.3	10.5	10.5	10.5
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: P1428241

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-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: P1428241

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	2217.4	2217.4	2217.4	2217.4	2217.4	2217.4	2217.4	2217.4	2217.4	2217.4	2217.4
2.5°	2212.6	2211.4	2210.6	2215.8	2227.1	2232.5	2220.4	2208.4	2220.4	2232.5	2227.1
5°	2226.7	2222.7	2220.7	2225.2	2236.3	2240.3	2223.2	2206.1	2223.2	2240.3	2236.3
7.5°	2264.1	2256.5	2250.6	2250.5	2256.2	2254.3	2230.0	2205.7	2230.0	2254.3	2256.2
10°	2266.1	2261.9	2260.9	2262.4	2266.4	2262.1	2233.0	2203.9	2233.0	2262.1	2266.4
12.5°	2232.0	2231.1	2232.5	2241.3	2257.4	2260.9	2227.0	2193.0	2227.0	2260.9	2257.4
15°	2180.3	2176.7	2173.7	2189.8	2225.0	2241.3	2201.1	2160.9	2201.1	2241.3	2225.0
17.5°	2150.3	2139.7	2128.8	2140.2	2173.7	2188.4	2146.4	2104.4	2146.4	2188.4	2173.7
20°	2135.8	2121.0	2106.9	2113.4	2140.6	2150.6	2109.4	2068.2	2109.4	2150.6	2140.6
22.5°	2128.4	2107.7	2088.0	2089.3	2111.6	2118.1	2076.9	2035.7	2076.9	2118.1	2111.6
25°	2126.8	2095.4	2062.2	2051.2	2062.2	2061.5	2025.3	1989.1	2025.3	2061.5	2062.2
27.5°	2119.8	2081.7	2036.8	2008.6	1997.0	1982.9	1961.6	1940.3	1961.6	1982.9	1997.0
30°	2088.1	2056.9	2017.8	1983.1	1953.0	1926.8	1912.8	1898.7	1912.8	1926.8	1953.0
32.5°	2020.8	2007.5	1986.8	1953.4	1907.2	1870.4	1861.9	1853.5	1861.9	1870.4	1907.2
35°	1889.4	1906.2	1922.3	1900.2	1839.9	1793.0	1785.9	1778.9	1785.9	1793.0	1839.9
37.5°	1715.6	1756.3	1803.3	1803.7	1757.5	1719.2	1704.8	1690.3	1704.8	1719.2	1757.5
40°	1573.7	1632.7	1703.1	1725.2	1699.0	1673.4	1649.3	1625.2	1649.3	1673.4	1699.0
42.5°	1411.4	1486.3	1575.9	1623.3	1628.5	1622.8	1584.2	1545.6	1584.2	1622.8	1628.5
45°	1180.4	1262.0	1359.5	1436.8	1494.1	1524.0	1471.8	1419.5	1471.8	1524.0	1494.1
47.5°	978.4	1051.7	1138.7	1228.7	1321.7	1378.1	1324.4	1270.8	1324.4	1378.1	1321.7
50°	854.7	924.5	1005.9	1096.3	1195.7	1259.5	1216.3	1173.1	1216.3	1259.5	1195.7
52.5°	739.7	808.8	890.1	978.1	1072.8	1136.0	1104.8	1073.7	1104.8	1136.0	1072.8
55°	589.0	652.5	729.8	810.2	893.6	952.1	936.0	920.0	936.0	952.1	893.6
57.5°	476.0	529.4	595.1	666.6	744.0	799.4	789.2	778.9	789.2	799.4	744.0
60°	417.2	458.9	510.1	574.4	651.7	708.0	701.0	693.9	701.0	708.0	651.7
62.5°	367.3	400.4	441.2	498.6	572.8	627.0	621.6	616.2	621.6	627.0	572.8
65°	303.4	328.5	359.7	406.9	470.2	516.4	511.3	506.3	511.3	516.4	470.2
67.5°	252.0	272.0	296.5	334.6	386.2	424.3	421.7	419.1	421.7	424.3	386.2
70°	218.0	235.8	257.9	291.6	336.8	370.4	369.4	368.4	369.4	370.4	336.8
72.5°	189.5	203.9	222.0	250.8	290.4	320.4	321.8	323.2	321.8	320.4	290.4
75°	148.7	158.2	170.3	192.4	224.5	249.4	252.4	255.4	252.4	249.4	224.5
77.5°	114.8	117.8	121.9	137.1	163.7	184.3	187.6	190.8	187.6	184.3	163.7
80°	94.9	94.9	94.9	105.0	125.1	141.1	145.2	149.2	145.2	141.1	125.1
82.5°	73.0	73.2	73.2	78.9	90.1	100.0	105.6	111.2	105.6	100.0	90.1
85°	28.6	33.9	39.9	42.9	42.9	44.2	49.2	54.2	49.2	44.2	42.9
87.5°	10.3	10.1	10.1	11.9	15.2	17.3	16.1	15.2	16.1	17.0	15.6
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: P1428241

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-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: P1428241

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	2217.4	2217.4	2217.4	2217.4	2217.4	2217.4	2217.4	2217.4	2217.4	2217.4	2217.4
2.5°	2215.8	2210.6	2211.4	2212.6	2215.0	2217.4	2215.0	2212.6	2211.4	2210.6	2215.8
5°	2225.2	2220.7	2222.7	2226.7	2236.8	2246.8	2236.8	2226.7	2222.7	2220.7	2225.2
7.5°	2250.5	2250.6	2256.5	2264.1	2277.4	2290.7	2277.4	2264.1	2256.5	2250.6	2250.5
10°	2262.4	2260.9	2261.9	2266.1	2280.2	2294.3	2280.2	2266.1	2261.9	2260.9	2262.4
12.5°	2241.3	2232.5	2231.1	2232.0	2239.6	2247.3	2239.6	2232.0	2231.1	2232.5	2241.3
15°	2189.8	2173.7	2176.7	2180.3	2185.3	2190.3	2185.3	2180.3	2176.7	2173.7	2189.8
17.5°	2140.2	2128.8	2139.7	2150.3	2160.1	2170.0	2160.1	2150.3	2139.7	2128.8	2140.2
20°	2113.4	2106.9	2121.0	2135.8	2152.9	2170.0	2152.9	2135.8	2121.0	2106.9	2113.4
22.5°	2089.3	2088.0	2107.7	2128.4	2151.9	2175.4	2151.9	2128.4	2107.7	2088.0	2089.3
25°	2051.2	2062.2	2095.4	2126.8	2152.9	2179.0	2152.9	2126.8	2095.4	2062.2	2051.2
27.5°	2008.6	2036.8	2081.7	2119.8	2138.1	2156.4	2138.1	2119.8	2081.7	2036.8	2008.6
30°	1983.1	2017.8	2056.9	2088.1	2095.1	2102.1	2095.1	2088.1	2056.9	2017.8	1983.1
32.5°	1953.4	1986.8	2007.5	2020.8	2011.7	2002.7	2011.7	2020.8	2007.5	1986.8	1953.4
35°	1900.2	1922.3	1906.2	1889.4	1870.3	1851.2	1870.3	1889.4	1906.2	1922.3	1900.2
37.5°	1803.7	1803.3	1756.3	1715.6	1693.7	1671.8	1693.7	1715.6	1756.3	1803.3	1803.7
40°	1725.2	1703.1	1632.7	1573.7	1548.6	1523.5	1548.6	1573.7	1632.7	1703.1	1725.2
42.5°	1623.3	1575.9	1486.3	1411.4	1380.6	1349.9	1380.6	1411.4	1486.3	1575.9	1623.3
45°	1436.8	1359.5	1262.0	1180.4	1146.3	1112.1	1146.3	1180.4	1262.0	1359.5	1436.8
47.5°	1228.7	1138.7	1051.7	978.4	946.5	914.5	946.5	978.4	1051.7	1138.7	1228.7
50°	1096.3	1005.9	924.5	854.7	819.5	784.3	819.5	854.7	924.5	1005.9	1096.3
52.5°	978.1	890.1	808.8	739.7	707.8	675.9	707.8	739.7	808.8	890.1	978.1
55°	810.2	729.8	652.5	589.0	566.9	544.7	566.9	589.0	652.5	729.8	810.2
57.5°	666.6	595.1	529.4	476.0	459.8	443.5	459.8	476.0	529.4	595.1	666.6
60°	574.4	510.1	458.9	417.2	404.1	391.0	404.1	417.2	458.9	510.1	574.4
62.5°	498.6	441.2	400.4	367.3	357.5	347.6	357.5	367.3	400.4	441.2	498.6
65°	406.9	359.7	328.5	303.4	296.4	289.3	296.4	303.4	328.5	359.7	406.9
67.5°	334.6	296.5	272.0	252.0	245.3	238.7	245.3	252.0	272.0	296.5	334.6
70°	291.6	257.9	235.8	218.0	213.0	208.0	213.0	218.0	235.8	257.9	291.6
72.5°	250.8	222.0	203.9	189.5	186.1	182.6	186.1	189.5	203.9	222.0	250.8
75°	192.4	170.3	158.2	148.7	146.7	144.7	146.7	148.7	158.2	170.3	192.4
77.5°	137.1	121.9	117.8	114.8	114.8	114.8	114.8	114.8	117.8	121.9	137.1
80°	105.0	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	105.0
82.5°	78.9	73.2	73.2	73.0	72.2	71.4	72.2	73.0	73.2	73.2	78.9
85°	42.9	39.9	33.9	28.6	25.6	22.6	25.6	28.6	33.9	39.9	42.9
87.5°	12.8	12.4	14.0	15.0	15.9	15.4	15.9	15.0	14.0	12.4	12.8
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: P1428241

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-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: P1428241

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-L840-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	2217.4	2217.4	2217.4	2217.4
2.5°	2227.1	2232.5	2220.4	2208.4
5°	2236.3	2240.3	2223.2	2206.1
7.5°	2256.2	2254.3	2230.0	2205.7
10°	2266.4	2262.1	2233.0	2203.9
12.5°	2257.4	2260.9	2227.0	2193.0
15°	2225.0	2241.3	2201.1	2160.9
17.5°	2173.7	2188.4	2146.4	2104.4
20°	2140.6	2150.6	2109.4	2068.2
22.5°	2111.6	2118.1	2076.9	2035.7
25°	2062.2	2061.5	2025.3	1989.1
27.5°	1997.0	1982.9	1961.6	1940.3
30°	1953.0	1926.8	1912.8	1898.7
32.5°	1907.2	1870.4	1861.9	1853.5
35°	1839.9	1793.0	1785.9	1778.9
37.5°	1757.5	1719.2	1704.8	1690.3
40°	1699.0	1673.4	1649.3	1625.2
42.5°	1628.5	1622.8	1584.2	1545.6
45°	1494.1	1524.0	1471.8	1419.5
47.5°	1321.7	1378.1	1324.4	1270.8
50°	1195.7	1259.5	1216.3	1173.1
52.5°	1072.8	1136.0	1104.8	1073.7
55°	893.6	952.1	936.0	920.0
57.5°	744.0	799.4	789.2	778.9
60°	651.7	708.0	701.0	693.9
62.5°	572.8	627.0	621.6	616.2
65°	470.2	516.4	511.3	506.3
67.5°	386.2	424.3	421.7	419.1
70°	336.8	370.4	369.4	368.4
72.5°	290.4	320.4	321.8	323.2
75°	224.5	249.4	252.4	255.4
77.5°	163.7	184.3	187.6	190.8
80°	125.1	141.1	145.2	149.2
82.5°	90.1	100.0	105.6	111.2
85°	42.9	44.2	49.2	54.2
87.5°	15.6	17.0	16.1	15.2
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: P1428241

CATALOG NUMBER: SQ2W-PR1-K-075U-100D-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: P1428241
 CATALOG NUMBER: SQ2W-PR1-K-075U-100D-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	20.10	21.02	20.97	21.90	23.00	16.47	17.39	17.34	18.27	19.37
	3H	21.32	22.14	22.19	23.02	24.15	17.64	18.46	18.52	19.35	20.48
	4H	21.80	22.58	22.70	23.47	24.61	18.11	18.88	19.00	19.77	20.91
	6H	22.10	22.82	23.01	23.72	24.87	18.45	19.16	19.35	20.06	21.22
	8H	22.21	22.89	23.12	23.80	24.96	18.59	19.27	19.50	20.18	21.34
	12H	22.25	22.90	23.17	23.81	24.98	18.62	19.27	19.54	20.18	21.36
4H	2H	20.22	20.99	21.11	21.88	23.02	17.19	17.97	18.09	18.86	20.00
	3H	21.68	22.32	22.59	23.25	24.40	18.55	19.19	19.46	20.12	21.27
	4H	22.31	22.90	23.23	23.82	25.00	19.10	19.68	20.02	20.60	21.79
	6H	22.75	23.25	23.68	24.19	25.38	19.54	20.04	20.47	20.98	22.17
	8H	22.91	23.38	23.84	24.31	25.51	19.72	20.19	20.66	21.13	22.32
	12H	22.98	23.40	23.93	24.35	25.55	19.77	20.19	20.72	21.15	22.35
8H	4H	22.34	22.81	23.28	23.75	24.94	19.43	19.90	20.37	20.84	22.03
	6H	22.88	23.26	23.84	24.24	25.44	19.97	20.36	20.93	21.34	22.54
	8H	23.11	23.45	24.08	24.42	25.64	20.24	20.58	21.21	21.55	22.76
	12H	23.23	23.53	24.20	24.50	25.76	20.33	20.63	21.30	21.60	22.86
12H	4H	22.30	22.72	23.26	23.68	24.88	19.45	19.88	20.41	20.83	22.03
	6H	22.87	23.21	23.83	24.18	25.39	20.05	20.39	21.02	21.36	22.57
	8H	23.12	23.42	24.09	24.38	25.65	20.34	20.64	21.31	21.60	22.86