

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: P1428135

Luminaire Tested: SQ2W-PP3-K-150U-050D-L935-UNV-STD-W-WM-4

Issue Date: 3/10/2026

Test Information

Test Method: LM-79-2019
Report Number: P1428135
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2303-941-3, G2-2308-131-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/10/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: SQ2W-PP3-K-150U-050D-L935-UNV-STD-W-WM-4
Description: CORELITE SQ2W WALL MOUNTED LED LUMINAIRE
DOWNLIGHT - PERCEIVE PRISM LENS
UPLIGHT - ASYMMETRIC ROLL LENS
DOWNLIGHT 500 LUMENS PER FOOT
UPLIGHT 1500 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

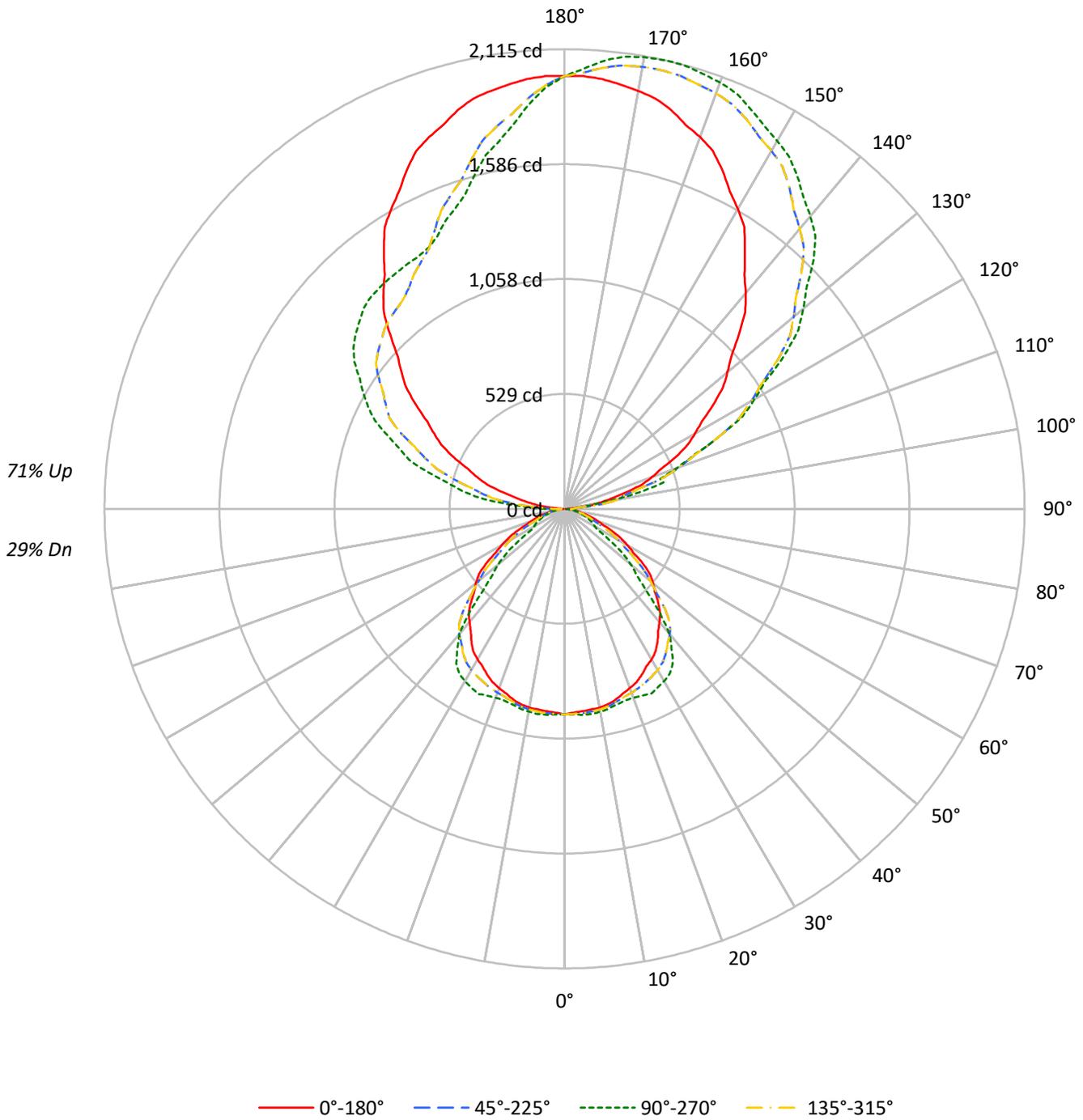
Lumens per Lamp: N/A
Luminaire Lumens: 8205.2 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.41 / 1.4
Luminous Opening: Rectangular (W 0.17' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 72.9
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: P1428135

CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L935-UNV-STD-W-WM-4

Luminous Intensity Polar Plot





TEST NUMBER: P1428135

CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L935-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	0
RCR																		
0	102	102	102	102	92	92	92	92	72	72	72	54	54	54	37	37	37	29
1	93	89	86	82	84	80	77	74	63	61	59	48	46	45	33	32	32	25
2	85	78	73	68	76	70	66	61	56	52	49	42	40	38	29	28	27	22
3	78	69	62	57	70	62	56	52	49	45	42	37	35	32	26	25	23	19
4	71	61	54	48	64	55	49	44	44	39	36	33	30	28	24	22	20	16
5	65	54	47	41	58	49	42	38	39	34	31	30	27	24	21	19	18	14
6	60	49	41	35	54	44	37	33	35	30	27	27	24	21	19	17	16	12
7	56	44	36	31	50	40	33	28	32	27	24	25	21	19	18	16	14	11
8	51	40	32	27	46	36	30	25	29	24	21	22	19	17	16	14	12	10
9	48	36	29	24	43	33	27	22	26	22	19	21	17	15	15	13	11	9
10	45	33	26	21	40	30	24	20	24	20	17	19	16	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	15274	15274	15274	15274
5°	15154	15429	15154	15429
10°	15231	15542	15231	15542
15°	15194	15578	15194	15578
20°	15086	15893	15086	15893
25°	15000	16728	15000	16728
30°	14915	17077	14915	17077
35°	14704	17108	14704	17108
40°	14311	15807	14311	15807
45°	13883	12033	13883	12033
50°	13338	10022	13338	10022
55°	12414	7206	12414	7206
60°	10688	5167	10688	5167
65°	9016	5081	9016	5081
70°	7506	4862	7506	4862
75°	6363	4554	6363	4554
80°	5393	4091	5393	4091
85°	4261	2223	4261	2223

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 40°
 Vertical Angle: 45°
 Luminance: 15186 cd/sqm



TEST NUMBER: P1428135

CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L935-UNV-STD-W-WM-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.1	1.1
10°-20°	260.7	3.2
20°-30°	408.4	5.0
30°-40°	503.8	6.1
40°-50°	474.3	5.8
50°-60°	335.9	4.1
60°-70°	191.4	2.3
70°-80°	94.7	1.2
80°-90°	31.4	0.4
90°-100°	158.5	1.9
100°-110°	462.2	5.6
110°-120°	754.2	9.2
120°-130°	957.1	11.7
130°-140°	1024.1	12.5
140°-150°	956.3	11.7
150°-160°	786.9	9.6
160°-170°	527.7	6.4
170°-180°	187.4	2.3
0°-30°	759.2	9.3
0°-40°	1263.0	15.4
0°-60°	2073.2	25.3
0°-90°	2390.7	29.1
90°-120°	1374.9	16.8
90°-150°	4312.4	52.6
90°-180°	5814.0	70.9
0°-180°	8205.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	946	946	946	946	946	
5°	935	952	935	952	935	89
15°	909	932	909	932	909	256
25°	842	939	842	939	842	388
35°	746	868	746	868	746	465
45°	608	527	608	527	608	468
55°	441	256	441	256	441	389
65°	236	133	236	133	236	237
75°	102	73	102	73	102	111
85°	23	12	23	12	23	27
90°	6	44	6	86	6	6
95°	62	46	62	272	62	75
105°	294	471	294	648	294	312
115°	563	780	563	962	563	555
125°	833	1237	833	1179	833	745
135°	1132	1619	1132	1306	1132	875
145°	1446	1867	1446	1334	1446	905
155°	1718	2028	1718	1384	1718	790
165°	1899	2114	1899	1593	1899	535
175°	1985	2070	1985	1869	1985	188
180°	1991	1991	1991	1991	1991	



TEST NUMBER: P1428135

CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (FULL):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
0°	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0
2.5°	938.8	944.9	950.9	949.5	945.6	944.0	944.7	945.4	946.1	946.8	946.1
5°	935.0	942.6	950.1	949.0	945.0	943.5	944.3	945.8	948.9	952.0	948.9
7.5°	931.4	939.1	946.9	945.9	942.0	940.8	942.3	944.4	948.2	952.0	948.2
10°	929.0	935.7	942.3	941.3	937.8	937.1	939.3	941.8	944.9	948.0	944.9
12.5°	921.8	928.1	934.4	933.6	930.4	930.3	933.2	936.1	938.9	941.6	938.9
15°	909.0	914.8	920.6	920.7	918.9	920.0	924.0	927.6	929.8	932.0	929.8
17.5°	891.6	898.6	905.7	907.3	907.1	909.9	915.5	920.4	922.7	925.0	922.7
20°	878.0	886.5	894.9	897.7	898.6	902.6	909.7	916.1	920.6	925.0	920.6
22.5°	863.6	873.5	883.3	887.0	888.6	894.7	905.4	915.3	923.0	930.6	923.0
25°	842.0	851.8	861.6	868.7	874.9	885.8	901.3	915.9	927.5	939.0	927.5
27.5°	816.8	826.5	836.2	848.4	861.5	876.8	894.3	909.7	918.9	928.0	918.9
30°	800.0	809.3	818.7	832.7	848.2	865.1	883.3	899.1	907.6	916.0	907.6
32.5°	779.2	788.9	798.6	813.5	830.1	848.2	867.9	884.5	892.3	900.0	892.3
35°	746.0	755.3	764.7	782.0	802.0	822.2	842.7	859.1	863.6	868.0	863.6
37.5°	707.8	718.4	729.0	748.4	770.8	787.7	799.2	807.9	808.1	808.4	808.1
40°	679.0	692.8	706.6	726.0	747.3	759.1	761.3	761.6	755.8	750.0	755.8
42.5°	651.0	668.7	686.4	702.0	716.9	720.0	711.2	698.2	672.5	646.8	672.5
45°	608.0	628.9	649.8	659.3	665.1	645.6	600.7	562.6	544.8	527.0	544.8
47.5°	562.2	582.8	603.4	600.8	590.4	560.8	512.0	472.3	460.1	447.8	460.1
50°	531.0	550.6	570.1	556.0	530.7	497.3	456.0	422.1	410.6	399.0	410.6
52.5°	495.8	513.2	530.6	509.3	475.1	440.0	404.0	372.6	355.0	337.4	355.0
55°	441.0	453.0	465.0	441.7	406.6	367.9	325.7	289.8	272.9	256.0	272.9
57.5°	375.0	383.4	391.9	373.5	346.2	307.8	258.2	216.3	197.3	178.4	197.3
60°	331.0	337.7	344.3	327.7	303.2	266.6	217.7	178.7	169.3	160.0	169.3
62.5°	291.0	297.0	302.9	285.5	260.4	227.6	187.3	156.2	152.9	149.6	152.9
65°	236.0	241.8	247.6	229.3	203.1	177.6	152.7	133.9	133.4	133.0	133.4
67.5°	187.8	194.1	200.4	183.3	158.3	139.4	126.6	116.9	116.3	115.8	116.3
70°	159.0	165.7	172.3	156.3	132.8	117.4	110.3	104.8	103.9	103.0	103.9
72.5°	135.0	141.3	147.6	133.7	113.0	100.3	95.7	92.1	91.5	91.0	91.5
75°	102.0	106.9	111.8	101.7	86.6	77.9	75.7	73.9	73.4	73.0	73.4
77.5°	74.0	77.1	80.2	73.6	63.7	58.2	57.1	56.1	55.6	55.2	55.6
80°	58.0	59.3	60.7	56.0	49.3	45.8	45.3	44.9	44.4	44.0	44.4
82.5°	43.6	43.2	42.7	40.0	36.5	34.6	34.1	33.6	32.8	32.0	32.8
85°	23.0	22.1	21.2	20.3	19.4	18.1	16.3	14.7	13.3	12.0	13.3
87.5°	8.4	10.0	12.0	12.3	11.7	11.1	10.7	10.8	11.3	11.3	11.3
90°	6.0	14.1	24.1	32.2	38.2	40.2	40.2	42.2	44.3	44.3	44.3
92.5°	22.1	35.0	35.4	35.4	43.0	46.7	49.9	50.3	52.3	52.3	52.3
95°	62.4	68.4	102.6	100.6	68.4	54.3	46.3	46.3	46.3	46.3	46.3
97.5°	119.1	127.9	133.6	179.0	189.1	182.6	148.8	125.1	111.8	105.8	111.8
100°	169.0	173.0	185.1	187.1	237.4	285.6	261.5	231.3	221.3	215.2	221.3
102.5°	218.8	221.3	239.8	248.2	259.9	287.2	370.9	361.7	354.8	353.6	354.8
105°	293.7	295.7	329.9	346.0	354.0	354.0	352.0	392.2	456.6	470.7	456.6
107.5°	373.7	383.0	423.2	466.3	475.5	477.9	467.5	461.4	459.0	460.6	459.0
110°	428.4	442.5	490.8	545.1	559.2	563.2	559.2	553.2	549.1	549.1	549.1



TEST NUMBER: P1428135

CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°
112.5°	481.5	502.1	556.8	619.1	642.9	654.9	646.1	641.7	637.6	640.9	637.6
115°	563.2	593.4	665.8	730.2	778.4	784.5	782.5	782.5	780.5	780.5	780.5
117.5°	638.8	687.1	768.4	843.2	899.1	915.2	923.3	920.9	918.4	922.5	918.4
120°	692.0	748.3	840.8	925.3	979.6	1003.7	1011.8	1007.8	1011.8	1007.8	1011.8
122.5°	748.3	817.5	908.4	996.1	1060.1	1087.4	1097.1	1097.9	1098.7	1096.3	1098.7
125°	832.8	917.2	1023.8	1114.4	1180.7	1212.9	1221.0	1223.0	1227.0	1237.1	1227.0
127.5°	918.0	1013.8	1130.9	1218.2	1286.1	1325.2	1337.6	1342.1	1350.5	1354.9	1350.5
130°	977.6	1086.2	1204.9	1287.3	1353.7	1396.0	1418.1	1424.1	1434.2	1432.2	1434.2
132.5°	1040.3	1153.8	1274.1	1359.8	1421.3	1466.8	1485.7	1503.0	1506.6	1509.4	1506.6
135°	1132.5	1255.2	1375.9	1460.3	1518.7	1562.9	1587.1	1603.2	1613.2	1619.2	1613.2
137.5°	1229.4	1359.0	1474.8	1550.0	1608.8	1647.0	1674.4	1691.3	1701.7	1706.5	1701.7
140°	1295.4	1420.1	1532.8	1611.2	1663.5	1701.7	1725.9	1746.0	1758.0	1758.0	1758.0
142.5°	1358.2	1481.3	1590.7	1669.1	1715.0	1750.0	1775.7	1791.0	1804.7	1804.7	1804.7
145°	1446.3	1569.0	1669.5	1748.0	1786.2	1818.4	1846.5	1858.6	1866.7	1866.7	1866.7
147.5°	1538.4	1647.0	1738.7	1814.0	1846.1	1884.0	1906.1	1915.7	1925.8	1921.4	1925.8
150°	1593.1	1693.7	1782.2	1852.6	1884.8	1921.0	1943.1	1951.1	1961.2	1955.2	1961.2
152.5°	1646.2	1741.9	1822.4	1888.0	1915.3	1951.5	1976.9	1984.9	1991.8	1987.3	1991.8
155°	1717.8	1802.3	1876.7	1937.1	1961.2	1995.4	2019.5	2029.6	2037.6	2027.6	2037.6
157.5°	1781.8	1854.6	1919.4	1974.9	2000.6	2030.0	2052.5	2065.0	2073.0	2068.6	2073.0
160°	1820.4	1886.8	1945.1	1997.4	2021.5	2047.7	2071.8	2085.9	2094.0	2087.9	2094.0
162.5°	1852.6	1912.5	1967.6	2015.1	2036.0	2059.0	2087.9	2100.4	2108.4	2100.8	2108.4
165°	1898.8	1947.1	1995.4	2035.6	2053.7	2071.8	2102.0	2116.1	2122.1	2114.1	2122.1
167.5°	1933.8	1970.9	2009.9	2044.5	2057.7	2075.4	2105.6	2117.3	2124.9	2114.9	2124.9
170°	1953.2	1985.3	2019.5	2047.7	2057.7	2073.8	2104.0	2114.1	2120.1	2110.0	2120.1
172.5°	1969.2	1993.4	2021.1	2046.1	2051.3	2064.2	2092.7	2102.8	2107.2	2098.8	2107.2
175°	1985.3	1999.4	2019.5	2035.6	2033.6	2041.7	2065.8	2073.8	2081.9	2069.8	2081.9
177.5°	1993.0	1999.4	2005.9	2015.5	2009.1	2009.1	2026.8	2031.6	2033.2	2026.8	2033.2
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1428135

CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
0°	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0
2.5°	945.4	944.7	944.0	945.6	949.5	950.9	944.9	938.8	944.9	950.9	949.5
5°	945.8	944.3	943.5	945.0	949.0	950.1	942.6	935.0	942.6	950.1	949.0
7.5°	944.4	942.3	940.8	942.0	945.9	946.9	939.1	931.4	939.1	946.9	945.9
10°	941.8	939.3	937.1	937.8	941.3	942.3	935.7	929.0	935.7	942.3	941.3
12.5°	936.1	933.2	930.3	930.4	933.6	934.4	928.1	921.8	928.1	934.4	933.6
15°	927.6	924.0	920.0	918.9	920.7	920.6	914.8	909.0	914.8	920.6	920.7
17.5°	920.4	915.5	909.9	907.1	907.3	905.7	898.6	891.6	898.6	905.7	907.3
20°	916.1	909.7	902.6	898.6	897.7	894.9	886.5	878.0	886.5	894.9	897.7
22.5°	915.3	905.4	894.7	888.6	887.0	883.3	873.5	863.6	873.5	883.3	887.0
25°	915.9	901.3	885.8	874.9	868.7	861.6	851.8	842.0	851.8	861.6	868.7
27.5°	909.7	894.3	876.8	861.5	848.4	836.2	826.5	816.8	826.5	836.2	848.4
30°	899.1	883.3	865.1	848.2	832.7	818.7	809.3	800.0	809.3	818.7	832.7
32.5°	884.5	867.9	848.2	830.1	813.5	798.6	788.9	779.2	788.9	798.6	813.5
35°	859.1	842.7	822.2	802.0	782.0	764.7	755.3	746.0	755.3	764.7	782.0
37.5°	807.9	799.2	787.7	770.8	748.4	729.0	718.4	707.8	718.4	729.0	748.4
40°	761.6	761.3	759.1	747.3	726.0	706.6	692.8	679.0	692.8	706.6	726.0
42.5°	698.2	711.2	720.0	716.9	702.0	686.4	668.7	651.0	668.7	686.4	702.0
45°	562.6	600.7	645.6	665.1	659.3	649.8	628.9	608.0	628.9	649.8	659.3
47.5°	472.3	512.0	560.8	590.4	600.8	603.4	582.8	562.2	582.8	603.4	600.8
50°	422.1	456.0	497.3	530.7	556.0	570.1	550.6	531.0	550.6	570.1	556.0
52.5°	372.6	404.0	440.0	475.1	509.3	530.6	513.2	495.8	513.2	530.6	509.3
55°	289.8	325.7	367.9	406.6	441.7	465.0	453.0	441.0	453.0	465.0	441.7
57.5°	216.3	258.2	307.8	346.2	373.5	391.9	383.4	375.0	383.4	391.9	373.5
60°	178.7	217.7	266.6	303.2	327.7	344.3	337.7	331.0	337.7	344.3	327.7
62.5°	156.2	187.3	227.6	260.4	285.5	302.9	297.0	291.0	297.0	302.9	285.5
65°	133.9	152.7	177.6	203.1	229.3	247.6	241.8	236.0	241.8	247.6	229.3
67.5°	116.9	126.6	139.4	158.3	183.3	200.4	194.1	187.8	194.1	200.4	183.3
70°	104.8	110.3	117.4	132.8	156.3	172.3	165.7	159.0	165.7	172.3	156.3
72.5°	92.1	95.7	100.3	113.0	133.7	147.6	141.3	135.0	141.3	147.6	133.7
75°	73.9	75.7	77.9	86.6	101.7	111.8	106.9	102.0	106.9	111.8	101.7
77.5°	56.1	57.1	58.2	63.7	73.6	80.2	77.1	74.0	77.1	80.2	73.6
80°	44.9	45.3	45.8	49.3	56.0	60.7	59.3	58.0	59.3	60.7	56.0
82.5°	33.6	34.1	34.6	36.5	40.0	42.7	43.2	43.6	43.2	42.7	40.0
85°	14.7	16.3	18.1	19.4	20.3	21.2	22.1	23.0	22.1	21.2	20.3
87.5°	10.8	10.7	11.1	11.7	12.3	12.0	10.0	8.4	10.0	11.6	13.1
90°	42.2	40.2	40.2	38.2	32.2	24.1	14.1	6.0	14.1	22.1	36.2
92.5°	50.3	49.9	46.7	43.0	35.4	35.4	35.0	22.1	38.2	54.3	78.0
95°	46.3	46.3	54.3	68.4	100.6	102.6	68.4	62.4	88.5	124.7	156.9
97.5°	125.1	148.8	182.6	189.1	179.0	133.6	127.9	119.1	162.1	197.9	249.8
100°	231.3	261.5	285.6	237.4	187.1	185.1	173.0	169.0	215.2	249.4	299.7
102.5°	361.7	370.9	287.2	259.9	248.2	239.8	221.3	218.8	265.1	312.2	354.4
105°	392.2	352.0	354.0	354.0	346.0	329.9	295.7	293.7	346.0	400.3	452.6
107.5°	461.4	467.5	477.9	475.5	466.3	423.2	383.0	373.7	420.8	486.0	543.5
110°	553.2	559.2	563.2	559.2	545.1	490.8	442.5	428.4	470.7	539.1	601.4



TEST NUMBER: P1428135

CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°
112.5°	641.7	646.1	654.9	642.9	619.1	556.8	502.1	481.5	523.8	593.8	657.8
115°	782.5	782.5	784.5	778.4	730.2	665.8	593.4	563.2	599.4	663.8	734.2
117.5°	920.9	923.3	915.2	899.1	843.2	768.4	687.1	638.8	667.4	735.4	807.8
120°	1007.8	1011.8	1003.7	979.6	925.3	840.8	748.3	692.0	714.1	780.5	852.9
122.5°	1097.9	1097.1	1087.4	1060.1	996.1	908.4	817.5	748.3	757.5	819.1	889.9
125°	1223.0	1221.0	1212.9	1180.7	1114.4	1023.8	917.2	832.8	820.7	873.0	945.4
127.5°	1342.1	1337.6	1325.2	1286.1	1218.2	1130.9	1013.8	918.0	891.1	924.1	990.5
130°	1424.1	1418.1	1396.0	1353.7	1287.3	1204.9	1086.2	977.6	939.4	959.5	1017.8
132.5°	1503.0	1485.7	1466.8	1421.3	1359.8	1274.1	1153.8	1040.3	987.6	996.5	1041.9
135°	1603.2	1587.1	1562.9	1518.7	1460.3	1375.9	1255.2	1132.5	1060.1	1052.0	1078.2
137.5°	1691.3	1674.4	1647.0	1608.8	1550.0	1474.8	1359.0	1229.4	1138.1	1111.1	1121.2
140°	1746.0	1725.9	1701.7	1663.5	1611.2	1532.8	1420.1	1295.4	1192.8	1154.6	1148.6
142.5°	1791.0	1775.7	1750.0	1715.0	1669.1	1590.7	1481.3	1358.2	1249.1	1199.6	1185.6
145°	1858.6	1846.5	1818.4	1786.2	1748.0	1669.5	1569.0	1446.3	1337.6	1273.3	1243.1
147.5°	1915.7	1906.1	1884.0	1846.1	1814.0	1738.7	1647.0	1538.4	1426.9	1347.3	1308.3
150°	1951.1	1943.1	1921.0	1884.8	1852.6	1782.2	1693.7	1593.1	1486.5	1402.0	1351.7
152.5°	1984.9	1976.9	1951.5	1915.3	1888.0	1822.4	1741.9	1646.2	1538.0	1453.5	1401.6
155°	2029.6	2019.5	1995.4	1961.2	1937.1	1876.7	1802.3	1717.8	1625.3	1536.8	1478.4
157.5°	2065.0	2052.5	2030.0	2000.6	1974.9	1919.4	1854.6	1781.8	1700.9	1616.4	1556.9
160°	2085.9	2071.8	2047.7	2021.5	1997.4	1945.1	1886.8	1820.4	1746.0	1669.5	1605.2
162.5°	2100.4	2087.9	2059.0	2036.0	2015.1	1967.6	1912.5	1852.6	1786.2	1719.4	1659.9
165°	2116.1	2102.0	2071.8	2053.7	2035.6	1995.4	1947.1	1898.8	1842.5	1788.2	1739.9
167.5°	2117.3	2105.6	2075.4	2057.7	2044.5	2009.9	1970.9	1933.8	1890.0	1847.3	1807.1
170°	2114.1	2104.0	2073.8	2057.7	2047.7	2019.5	1985.3	1953.2	1919.0	1882.7	1850.6
172.5°	2102.8	2092.7	2064.2	2051.3	2046.1	2021.1	1993.4	1969.2	1939.9	1913.3	1887.6
175°	2073.8	2065.8	2041.7	2033.6	2035.6	2019.5	1999.4	1985.3	1967.2	1951.1	1937.1
177.5°	2031.6	2026.8	2009.1	2009.1	2015.5	2005.9	1999.4	1993.0	1984.9	1980.1	1975.3
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1428135

CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
0°	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0	946.0
2.5°	945.6	944.0	944.7	945.4	946.1	946.8	946.1	945.4	944.7	944.0	945.6
5°	945.0	943.5	944.3	945.8	948.9	952.0	948.9	945.8	944.3	943.5	945.0
7.5°	942.0	940.8	942.3	944.4	948.2	952.0	948.2	944.4	942.3	940.8	942.0
10°	937.8	937.1	939.3	941.8	944.9	948.0	944.9	941.8	939.3	937.1	937.8
12.5°	930.4	930.3	933.2	936.1	938.9	941.6	938.9	936.1	933.2	930.3	930.4
15°	918.9	920.0	924.0	927.6	929.8	932.0	929.8	927.6	924.0	920.0	918.9
17.5°	907.1	909.9	915.5	920.4	922.7	925.0	922.7	920.4	915.5	909.9	907.1
20°	898.6	902.6	909.7	916.1	920.6	925.0	920.6	916.1	909.7	902.6	898.6
22.5°	888.6	894.7	905.4	915.3	923.0	930.6	923.0	915.3	905.4	894.7	888.6
25°	874.9	885.8	901.3	915.9	927.5	939.0	927.5	915.9	901.3	885.8	874.9
27.5°	861.5	876.8	894.3	909.7	918.9	928.0	918.9	909.7	894.3	876.8	861.5
30°	848.2	865.1	883.3	899.1	907.6	916.0	907.6	899.1	883.3	865.1	848.2
32.5°	830.1	848.2	867.9	884.5	892.3	900.0	892.3	884.5	867.9	848.2	830.1
35°	802.0	822.2	842.7	859.1	863.6	868.0	863.6	859.1	842.7	822.2	802.0
37.5°	770.8	787.7	799.2	807.9	808.1	808.4	808.1	807.9	799.2	787.7	770.8
40°	747.3	759.1	761.3	761.6	755.8	750.0	755.8	761.6	761.3	759.1	747.3
42.5°	716.9	720.0	711.2	698.2	672.5	646.8	672.5	698.2	711.2	720.0	716.9
45°	665.1	645.6	600.7	562.6	544.8	527.0	544.8	562.6	600.7	645.6	665.1
47.5°	590.4	560.8	512.0	472.3	460.1	447.8	460.1	472.3	512.0	560.8	590.4
50°	530.7	497.3	456.0	422.1	410.6	399.0	410.6	422.1	456.0	497.3	530.7
52.5°	475.1	440.0	404.0	372.6	355.0	337.4	355.0	372.6	404.0	440.0	475.1
55°	406.6	367.9	325.7	289.8	272.9	256.0	272.9	289.8	325.7	367.9	406.6
57.5°	346.2	307.8	258.2	216.3	197.3	178.4	197.3	216.3	258.2	307.8	346.2
60°	303.2	266.6	217.7	178.7	169.3	160.0	169.3	178.7	217.7	266.6	303.2
62.5°	260.4	227.6	187.3	156.2	152.9	149.6	152.9	156.2	187.3	227.6	260.4
65°	203.1	177.6	152.7	133.9	133.4	133.0	133.4	133.9	152.7	177.6	203.1
67.5°	158.3	139.4	126.6	116.9	116.3	115.8	116.3	116.9	126.6	139.4	158.3
70°	132.8	117.4	110.3	104.8	103.9	103.0	103.9	104.8	110.3	117.4	132.8
72.5°	113.0	100.3	95.7	92.1	91.5	91.0	91.5	92.1	95.7	100.3	113.0
75°	86.6	77.9	75.7	73.9	73.4	73.0	73.4	73.9	75.7	77.9	86.6
77.5°	63.7	58.2	57.1	56.1	55.6	55.2	55.6	56.1	57.1	58.2	63.7
80°	49.3	45.8	45.3	44.9	44.4	44.0	44.4	44.9	45.3	45.8	49.3
82.5°	36.5	34.6	34.1	33.6	32.8	32.0	32.8	33.6	34.1	34.6	36.5
85°	19.4	18.1	16.3	14.7	13.3	12.0	13.3	14.7	16.3	18.1	19.4
87.5°	13.3	15.1	17.6	18.9	20.5	19.7	20.5	18.9	17.6	15.1	13.3
90°	46.3	60.3	74.4	82.5	90.5	86.5	90.5	82.5	74.4	60.3	46.3
92.5°	92.9	116.7	134.0	148.4	154.9	154.1	154.9	148.4	134.0	116.7	92.9
95°	187.1	215.2	243.4	263.5	275.6	271.6	275.6	263.5	243.4	215.2	187.1
97.5°	288.4	326.3	357.6	376.5	388.6	396.7	388.6	376.5	357.6	326.3	288.4
100°	356.0	392.2	428.4	450.6	470.7	478.7	470.7	450.6	428.4	392.2	356.0
102.5°	410.7	458.2	497.6	521.4	538.3	546.3	538.3	521.4	497.6	458.2	410.7
105°	500.9	551.1	593.4	623.6	641.7	647.7	641.7	623.6	593.4	551.1	500.9
107.5°	591.0	642.9	681.9	715.3	737.4	750.3	737.4	715.3	681.9	642.9	591.0
110°	661.8	704.0	746.3	776.4	798.6	806.6	798.6	776.4	746.3	704.0	661.8



TEST NUMBER: P1428135

CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	220°	230°	240°	250°	260°	270°	280°	290°	300°	310°	320°
112.5°	721.3	768.4	810.6	840.8	866.1	877.4	866.1	840.8	810.6	768.4	721.3
115°	804.6	866.9	905.2	933.3	951.4	961.5	951.4	933.3	905.2	866.9	804.6
117.5°	873.8	939.0	980.8	1002.5	1011.0	1018.2	1011.0	1002.5	980.8	939.0	873.8
120°	917.2	977.6	1025.9	1054.0	1064.1	1068.1	1064.1	1054.0	1025.9	977.6	917.2
122.5°	957.5	1014.6	1061.3	1095.9	1112.4	1116.4	1112.4	1095.9	1061.3	1014.6	957.5
125°	1013.8	1068.1	1116.4	1150.6	1168.7	1178.7	1168.7	1150.6	1116.4	1068.1	1013.8
127.5°	1062.9	1121.6	1165.9	1196.8	1214.5	1222.6	1214.5	1196.8	1165.9	1121.6	1062.9
130°	1090.2	1150.6	1194.8	1229.0	1245.1	1253.2	1245.1	1229.0	1194.8	1150.6	1090.2
132.5°	1111.1	1174.7	1220.6	1251.5	1269.2	1277.3	1269.2	1251.5	1220.6	1174.7	1111.1
135°	1136.5	1202.9	1251.1	1281.3	1297.4	1305.5	1297.4	1281.3	1251.1	1202.9	1136.5
137.5°	1158.6	1219.0	1269.2	1301.0	1315.5	1320.7	1315.5	1301.0	1269.2	1219.0	1158.6
140°	1174.7	1227.0	1277.3	1307.5	1323.6	1325.6	1323.6	1307.5	1277.3	1227.0	1174.7
142.5°	1195.6	1236.7	1280.5	1310.7	1326.8	1330.4	1326.8	1310.7	1280.5	1236.7	1195.6
145°	1233.0	1257.2	1287.3	1315.5	1329.6	1333.6	1329.6	1315.5	1287.3	1257.2	1233.0
147.5°	1280.1	1287.8	1303.4	1321.9	1335.6	1338.4	1335.6	1321.9	1303.4	1287.8	1280.1
150°	1315.5	1313.5	1319.5	1331.6	1343.7	1341.7	1343.7	1331.6	1319.5	1313.5	1315.5
152.5°	1355.7	1344.1	1343.7	1349.3	1354.9	1354.5	1354.9	1349.3	1343.7	1344.1	1355.7
155°	1424.1	1402.0	1389.9	1385.9	1385.9	1383.9	1385.9	1385.9	1389.9	1402.0	1424.1
157.5°	1499.4	1468.4	1450.3	1440.6	1437.8	1433.4	1437.8	1440.6	1450.3	1468.4	1499.4
160°	1550.9	1516.7	1498.6	1482.5	1476.4	1470.4	1476.4	1482.5	1498.6	1516.7	1550.9
162.5°	1599.1	1566.5	1546.8	1532.3	1526.3	1517.1	1526.3	1532.3	1546.8	1566.5	1599.1
165°	1677.6	1643.4	1621.3	1609.2	1601.1	1593.1	1601.1	1609.2	1621.3	1643.4	1677.6
167.5°	1756.0	1718.6	1704.1	1690.5	1682.8	1668.3	1682.8	1690.5	1704.1	1718.6	1756.0
170°	1804.3	1770.1	1762.1	1750.0	1735.9	1719.8	1735.9	1750.0	1762.1	1770.1	1804.3
172.5°	1846.1	1823.2	1815.2	1803.1	1798.7	1785.8	1798.7	1803.1	1815.2	1823.2	1846.1
175°	1906.9	1888.8	1888.8	1886.8	1880.7	1868.7	1880.7	1886.8	1888.8	1888.8	1906.9
177.5°	1957.6	1947.9	1954.4	1954.4	1952.7	1941.5	1952.7	1954.4	1954.4	1947.9	1957.6
180°	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1428135

CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
0°	946.0	946.0	946.0	946.0
2.5°	949.5	950.9	944.9	938.8
5°	949.0	950.1	942.6	935.0
7.5°	945.9	946.9	939.1	931.4
10°	941.3	942.3	935.7	929.0
12.5°	933.6	934.4	928.1	921.8
15°	920.7	920.6	914.8	909.0
17.5°	907.3	905.7	898.6	891.6
20°	897.7	894.9	886.5	878.0
22.5°	887.0	883.3	873.5	863.6
25°	868.7	861.6	851.8	842.0
27.5°	848.4	836.2	826.5	816.8
30°	832.7	818.7	809.3	800.0
32.5°	813.5	798.6	788.9	779.2
35°	782.0	764.7	755.3	746.0
37.5°	748.4	729.0	718.4	707.8
40°	726.0	706.6	692.8	679.0
42.5°	702.0	686.4	668.7	651.0
45°	659.3	649.8	628.9	608.0
47.5°	600.8	603.4	582.8	562.2
50°	556.0	570.1	550.6	531.0
52.5°	509.3	530.6	513.2	495.8
55°	441.7	465.0	453.0	441.0
57.5°	373.5	391.9	383.4	375.0
60°	327.7	344.3	337.7	331.0
62.5°	285.5	302.9	297.0	291.0
65°	229.3	247.6	241.8	236.0
67.5°	183.3	200.4	194.1	187.8
70°	156.3	172.3	165.7	159.0
72.5°	133.7	147.6	141.3	135.0
75°	101.7	111.8	106.9	102.0
77.5°	73.6	80.2	77.1	74.0
80°	56.0	60.7	59.3	58.0
82.5°	40.0	42.7	43.2	43.6
85°	20.3	21.2	22.1	23.0
87.5°	13.1	11.6	10.0	8.4
90°	36.2	22.1	14.1	6.0
92.5°	78.0	54.3	38.2	22.1
95°	156.9	124.7	88.5	62.4
97.5°	249.8	197.9	162.1	119.1
100°	299.7	249.4	215.2	169.0
102.5°	354.4	312.2	265.1	218.8
105°	452.6	400.3	346.0	293.7
107.5°	543.5	486.0	420.8	373.7
110°	601.4	539.1	470.7	428.4



TEST NUMBER: P1428135

CATALOG NUMBER: SQ2W-PP3-K-150U-050D-L935-UNV-STD-W-WM-4

CANDELA DISTRIBUTION (continued):

	330°	340°	350°	360°
112.5°	657.8	593.8	523.8	481.5
115°	734.2	663.8	599.4	563.2
117.5°	807.8	735.4	667.4	638.8
120°	852.9	780.5	714.1	692.0
122.5°	889.9	819.1	757.5	748.3
125°	945.4	873.0	820.7	832.8
127.5°	990.5	924.1	891.1	918.0
130°	1017.8	959.5	939.4	977.6
132.5°	1041.9	996.5	987.6	1040.3
135°	1078.2	1052.0	1060.1	1132.5
137.5°	1121.2	1111.1	1138.1	1229.4
140°	1148.6	1154.6	1192.8	1295.4
142.5°	1185.6	1199.6	1249.1	1358.2
145°	1243.1	1273.3	1337.6	1446.3
147.5°	1308.3	1347.3	1426.9	1538.4
150°	1351.7	1402.0	1486.5	1593.1
152.5°	1401.6	1453.5	1538.0	1646.2
155°	1478.4	1536.8	1625.3	1717.8
157.5°	1556.9	1616.4	1700.9	1781.8
160°	1605.2	1669.5	1746.0	1820.4
162.5°	1659.9	1719.4	1786.2	1852.6
165°	1739.9	1788.2	1842.5	1898.8
167.5°	1807.1	1847.3	1890.0	1933.8
170°	1850.6	1882.7	1919.0	1953.2
172.5°	1887.6	1913.3	1939.9	1969.2
175°	1937.1	1951.1	1967.2	1985.3
177.5°	1975.3	1980.1	1984.9	1993.0
180°	1991.4	1991.4	1991.4	1991.4



TEST NUMBER: P1428135
 CATALOG NUMBER: SQ2W-PP3-K-150U-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	14.57	15.25	15.69	16.37	17.91	10.34	11.03	11.46	12.14	13.68
	3H	15.61	16.23	16.75	17.35	18.91	11.64	12.25	12.77	13.37	14.93
	4H	15.97	16.56	17.12	17.68	19.24	12.18	12.76	13.32	13.88	15.45
	6H	16.16	16.69	17.31	17.82	19.39	12.54	13.07	13.69	14.20	15.77
	8H	16.22	16.72	17.37	17.86	19.43	12.66	13.17	13.81	14.31	15.88
	12H	16.23	16.71	17.39	17.85	19.44	12.69	13.17	13.85	14.30	15.90
4H	2H	14.66	15.25	15.81	16.37	17.93	11.23	11.81	12.37	12.93	14.49
	3H	15.94	16.42	17.09	17.57	19.15	12.63	13.11	13.78	14.26	15.84
	4H	16.44	16.89	17.60	18.02	19.62	13.25	13.69	14.40	14.83	16.42
	6H	16.75	17.13	17.91	18.29	19.87	13.68	14.06	14.84	15.22	16.81
	8H	16.85	17.21	18.01	18.36	19.96	13.85	14.20	15.01	15.35	16.96
	12H	16.89	17.21	18.07	18.37	19.98	13.89	14.21	15.07	15.37	16.98
8H	4H	16.45	16.80	17.61	17.95	19.56	13.54	13.90	14.70	15.05	16.65
	6H	16.86	17.15	18.04	18.34	19.94	14.10	14.39	15.28	15.58	17.18
	8H	17.04	17.29	18.22	18.46	20.08	14.34	14.60	15.53	15.77	17.39
	12H	17.13	17.35	18.31	18.52	20.17	14.44	14.66	15.63	15.83	17.48
12H	4H	16.40	16.72	17.58	17.88	19.49	13.55	13.87	14.72	15.03	16.64
	6H	16.85	17.10	18.03	18.27	19.89	14.16	14.42	15.35	15.59	17.21
	8H	17.04	17.26	18.23	18.43	20.08	14.43	14.65	15.62	15.82	17.47