

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: INVUE

Report Number: P672226

Luminaire Tested: **CCP-SA-1F-727-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672226
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-727-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ T3R distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

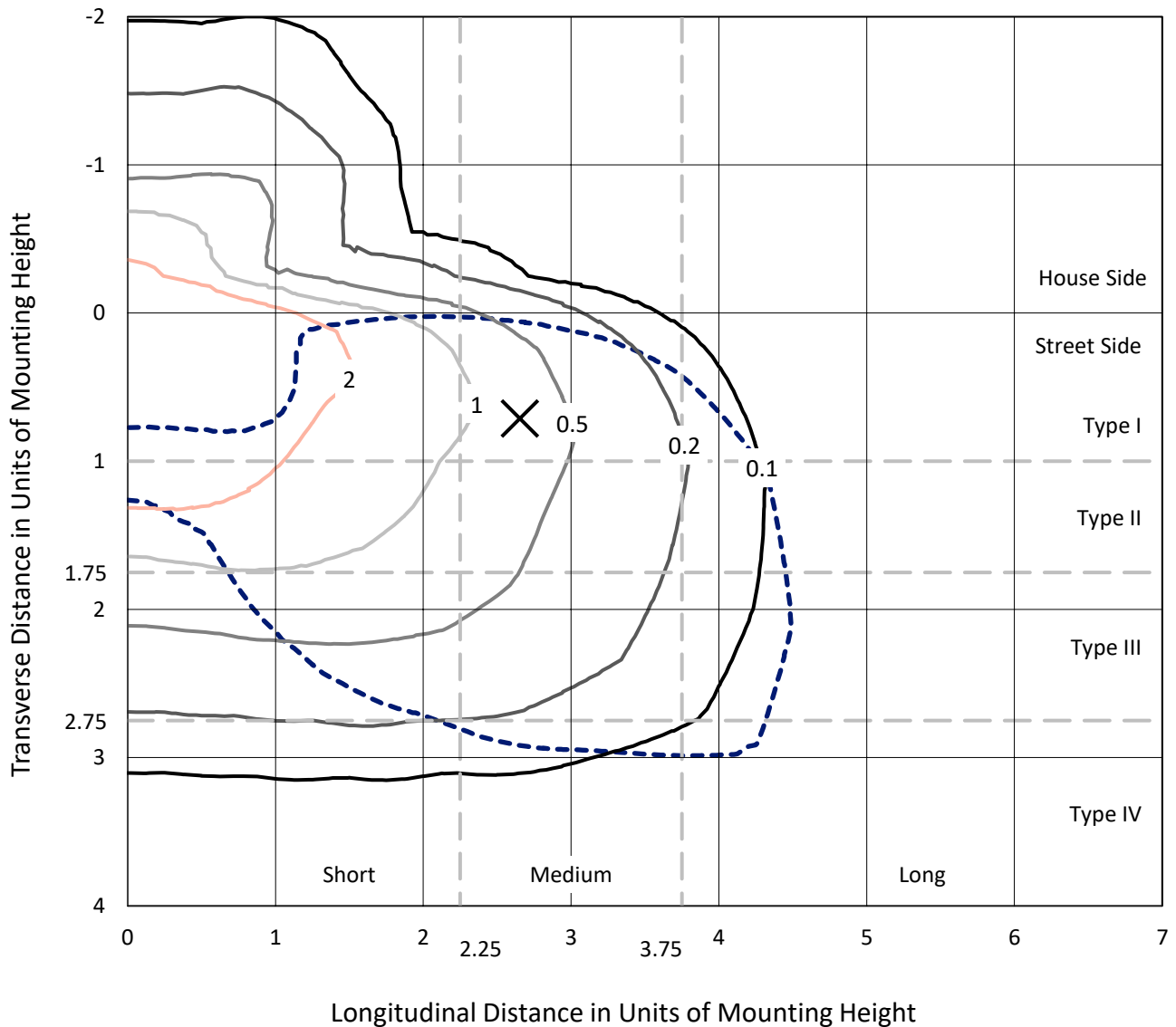
Lumens per Lamp: N/A
Luminaire Lumens: 6373 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

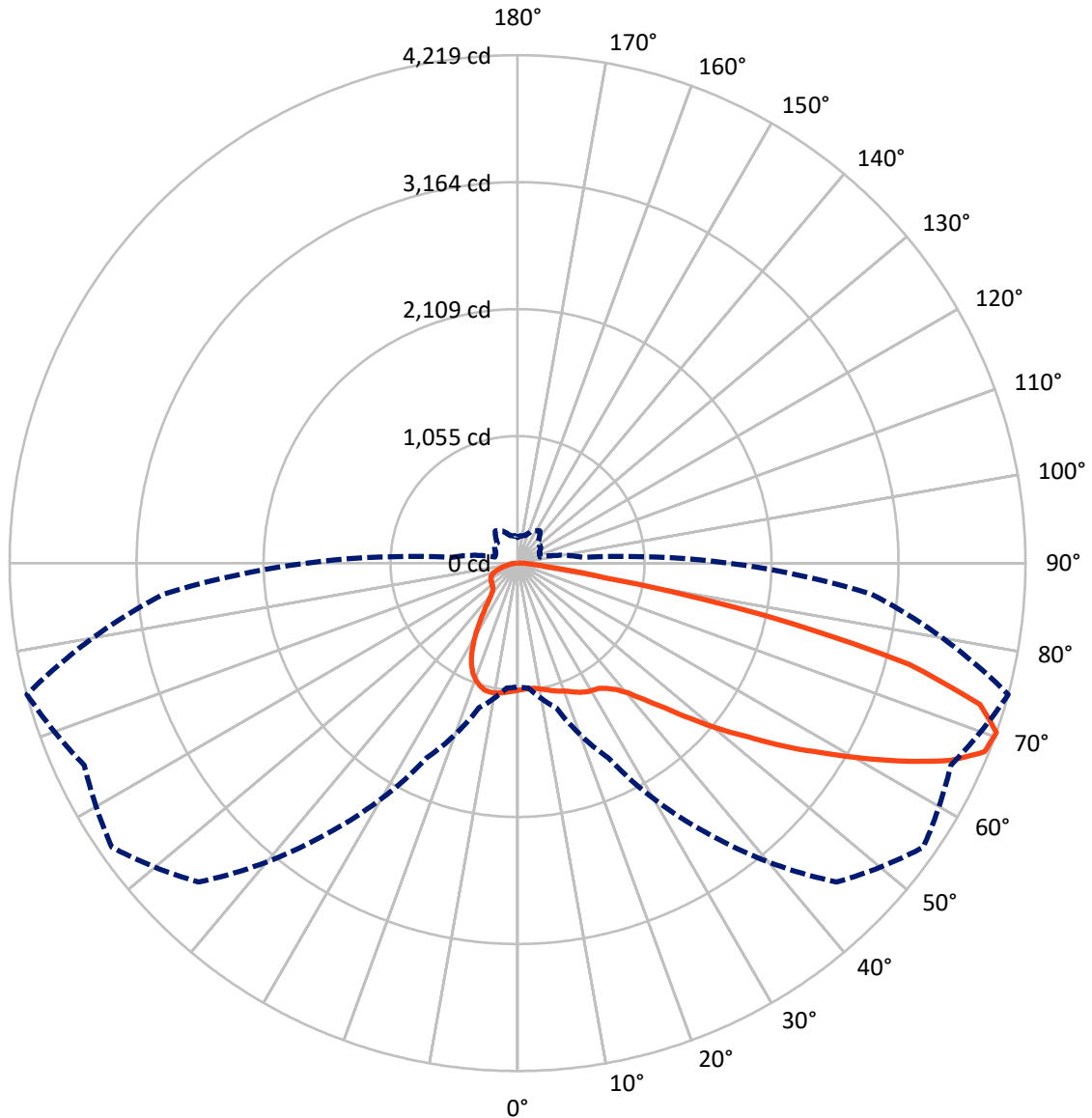
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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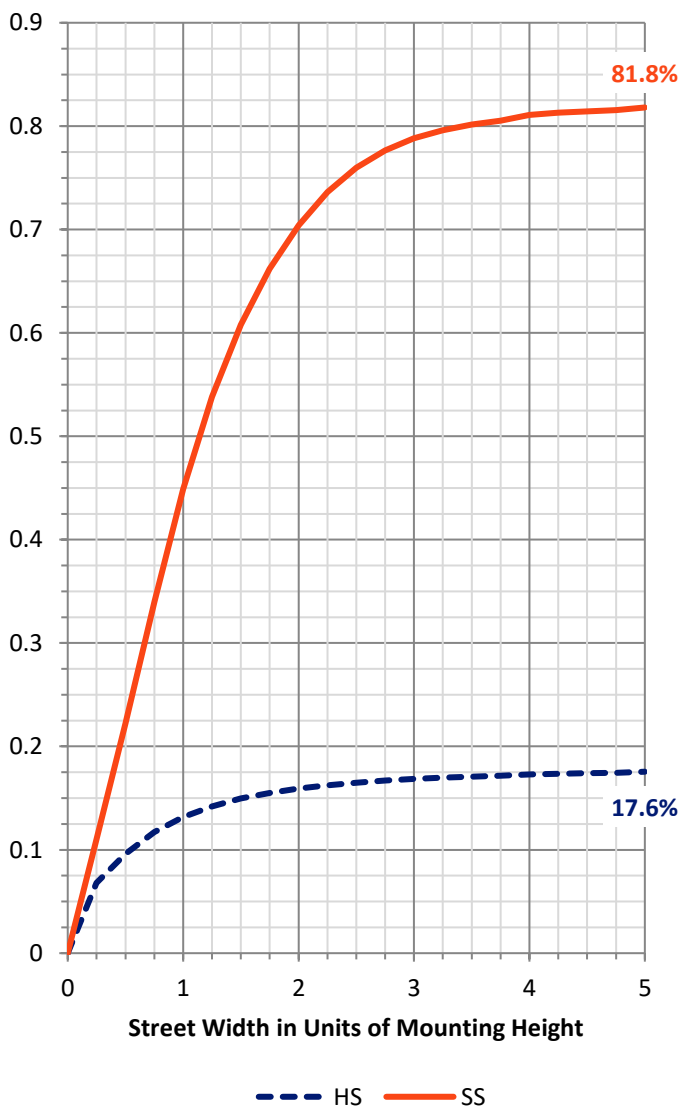
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1133.8	0.0	1133.8
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	5239.2	0.0	5239.2
	% Fixture	82.2	0.0	82.2
Total	Lumens	6373.0	0.0	6373.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.8	1.5
10°-20°	253.1	4.0
20°-30°	426.4	6.7
30°-40°	647.6	10.2
40°-50°	927.8	14.6
50°-60°	1230.1	19.3
60°-70°	1539.4	24.2
70°-80°	1124.1	17.6
80°-90°	129.6	2.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6373.0	100.0
0°-180°	6373.0	100.0



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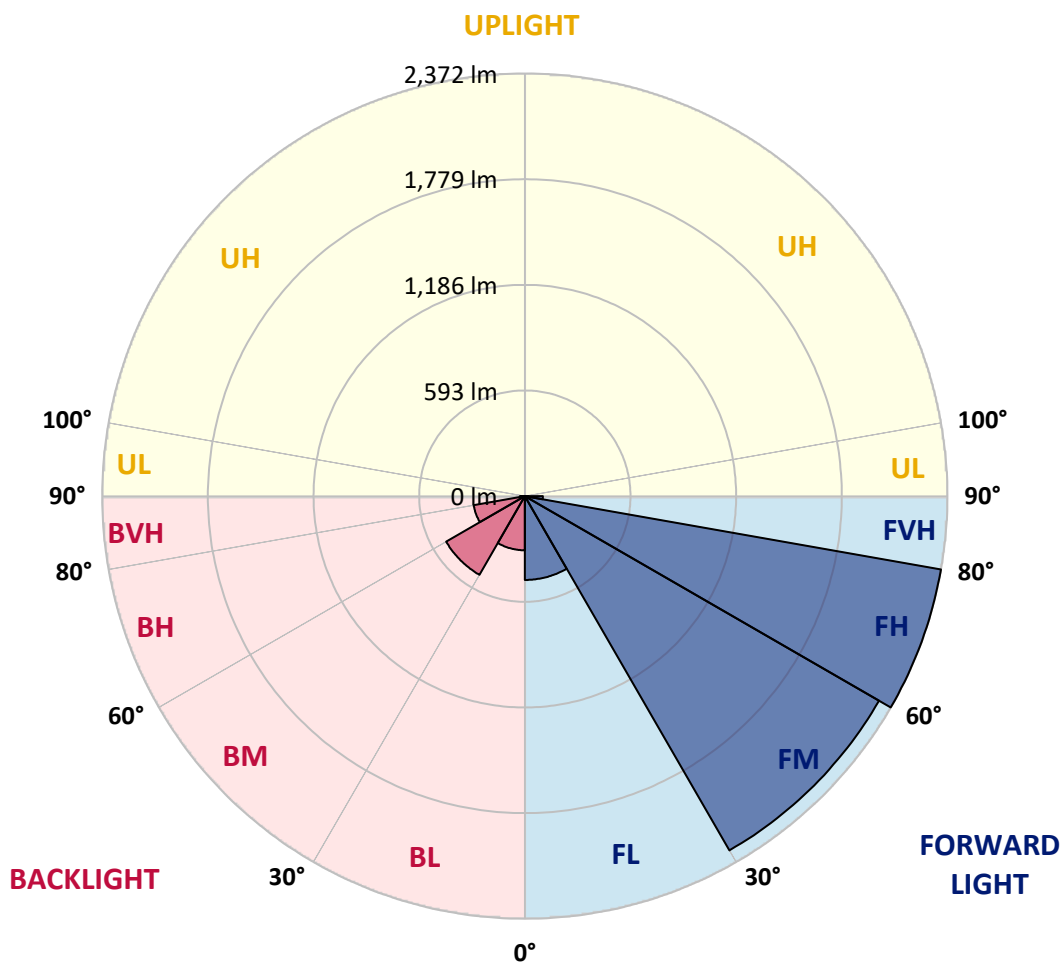
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	470.4	7.4			
FM (30°-60°)	2295.8	36.0			
FH (60°-80°)	2371.9	37.2			G2/5000
FVH (80°-90°)	101.2	1.6			G2/225
BL (0°-30°)	303.9	4.8	B1/500		
BM (30°-60°)	509.8	8.0	B1/1000		
BH (60°-80°)	291.7	4.6	B1/500		G1/500
BVH (80°-90°)	28.5	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7
2.5°	997.9	1003.4	1008.4	1013.5	1017.6	1028.6	1030.9	1042.8	1046.0	1048.8	1052.4
5°	941.9	946.1	951.1	959.4	968.1	987.8	1001.5	1027.7	1042.4	1046.9	1059.8
7.5°	911.7	913.0	919.9	926.8	936.9	956.1	974.9	1015.8	1045.1	1050.2	1077.7
10°	889.6	891.5	897.9	907.5	917.6	935.5	958.9	1007.5	1055.2	1063.0	1102.0
12.5°	881.9	880.9	888.3	894.7	908.9	931.4	955.7	1008.0	1069.0	1080.0	1137.3
15°	913.0	907.1	911.7	909.4	914.0	936.0	964.9	1018.1	1085.9	1099.7	1174.0
17.5°	981.8	976.8	973.6	953.8	941.0	953.4	980.9	1032.3	1103.8	1118.5	1207.0
20°	1084.5	1070.3	1058.4	1025.4	989.6	985.5	1004.8	1046.5	1120.8	1135.0	1241.8
22.5°	1201.5	1190.0	1170.8	1113.0	1057.5	1030.0	1035.0	1072.6	1145.5	1161.1	1281.7
25°	1349.1	1348.7	1309.2	1231.3	1147.4	1091.9	1081.3	1114.4	1173.5	1188.6	1314.8
27.5°	1517.4	1506.0	1459.2	1358.8	1253.3	1168.5	1143.7	1157.0	1196.0	1211.6	1341.3
30°	1661.4	1662.8	1615.1	1505.5	1366.1	1243.2	1196.4	1187.7	1210.7	1226.2	1366.1
32.5°	1815.5	1807.7	1764.2	1651.4	1488.1	1323.5	1230.4	1209.7	1225.8	1240.5	1400.5
35°	1960.4	1951.7	1914.1	1792.6	1622.5	1412.0	1276.2	1244.1	1261.6	1277.6	1442.7
37.5°	2098.5	2099.8	2057.2	1941.2	1752.7	1516.5	1344.1	1296.0	1314.8	1332.6	1506.9
40°	2219.1	2212.2	2179.2	2074.6	1888.0	1622.9	1420.7	1366.6	1403.3	1419.8	1588.1
42.5°	2257.6	2257.1	2270.0	2205.8	2030.1	1749.5	1516.1	1476.6	1528.5	1553.2	1687.6
45°	2224.1	2234.2	2308.5	2306.7	2172.3	1894.9	1646.3	1610.5	1685.3	1713.3	1809.1
47.5°	2191.1	2206.2	2307.1	2364.4	2299.8	2054.9	1806.4	1779.8	1887.1	1927.4	1935.2
50°	2142.9	2157.2	2277.3	2372.7	2377.7	2216.8	2013.6	1980.2	2118.2	2159.5	2072.3
52.5°	2089.3	2100.3	2224.6	2366.7	2414.9	2343.3	2216.8	2207.2	2365.8	2399.3	2211.7
55°	1793.1	1839.8	2147.1	2353.9	2440.6	2440.1	2414.4	2446.1	2635.9	2685.9	2367.2
57.5°	1622.9	1647.7	1928.8	2346.6	2488.7	2529.5	2618.5	2686.4	2924.4	2969.3	2538.7
60°	1567.4	1589.4	1819.2	2337.8	2584.6	2669.4	2818.0	2928.0	3234.4	3289.4	2730.4
62.5°	1517.0	1543.6	1774.7	2268.6	2700.6	2890.9	3056.0	3189.4	3561.3	3626.5	2921.2
65°	1414.3	1433.1	1693.1	2210.4	2810.6	3206.9	3399.5	3477.4	3878.2	3951.6	3047.7
67.5°	1236.8	1254.7	1509.2	2076.5	2882.2	3535.7	3775.0	3775.5	4123.1	4183.2	3074.3
70°	1028.1	1041.9	1244.1	1784.8	2733.1	3746.6	4113.9	3970.4	4192.3	4218.5	2947.8
72.5°	735.1	747.0	911.2	1319.3	2241.1	3575.6	4191.0	3962.1	4024.5	4016.3	2587.8
75°	453.1	476.0	558.1	805.3	1392.7	2813.4	3771.8	3590.2	3379.3	3356.4	1948.5
77.5°	295.3	307.2	377.4	475.1	614.5	1615.1	2864.8	2691.9	2133.8	2107.2	1047.4
80°	177.5	197.2	247.2	298.5	278.4	617.7	1635.8	1337.2	753.9	745.7	321.9
82.5°	95.4	113.3	174.3	184.8	156.4	218.3	592.5	434.7	241.2	238.5	120.6
85°	75.7	84.4	125.2	116.9	88.5	110.5	231.1	181.1	123.8	121.1	45.4
87.5°	45.9	57.8	94.9	78.9	44.0	39.9	105.9	85.8	58.2	54.1	17.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7	1055.7
2.5°	1059.3	1061.6	1063.9	1059.3	1061.2	1058.9	1058.9	1058.9	1052.9	1051.1	1056.6
5°	1069.4	1072.6	1074.5	1060.2	1051.5	1038.7	1028.1	1012.1	1002.9	997.0	997.0
7.5°	1090.0	1093.7	1085.5	1053.8	1023.1	988.7	953.4	924.0	902.9	893.8	896.5
10°	1120.3	1121.7	1094.2	1035.9	970.4	906.6	856.6	817.7	791.5	778.2	776.4
12.5°	1155.6	1149.7	1096.0	996.5	899.3	813.5	752.5	702.1	668.6	655.8	649.4
15°	1190.5	1176.3	1089.1	949.3	818.6	715.4	637.4	589.7	569.1	563.1	560.8
17.5°	1221.7	1195.1	1066.2	881.4	725.0	600.7	543.4	526.5	528.7	534.2	536.5
20°	1250.1	1209.3	1033.2	800.7	608.1	511.3	497.1	512.7	525.5	533.8	535.2
22.5°	1281.3	1223.0	987.3	702.5	512.2	470.0	487.0	504.9	517.7	526.0	527.4
25°	1305.1	1222.6	922.7	586.1	451.7	459.0	479.2	495.3	504.9	510.9	510.4
27.5°	1320.3	1211.6	837.8	490.2	427.9	451.2	470.5	481.1	486.6	491.1	490.7
30°	1324.8	1190.5	731.0	419.6	416.9	443.9	458.6	465.0	469.1	473.7	473.7
32.5°	1334.0	1157.9	613.1	380.2	408.6	436.6	445.3	450.3	447.1	435.7	433.4
35°	1344.1	1121.7	501.7	361.8	400.8	431.5	439.8	426.5	391.6	387.0	385.2
37.5°	1363.8	1088.2	407.2	349.0	399.0	434.3	441.2	388.0	358.6	344.4	342.1
40°	1397.3	1054.7	343.9	339.8	401.3	446.2	422.8	369.6	321.0	294.0	289.4
42.5°	1441.3	1013.9	308.2	335.2	407.7	465.5	416.4	343.5	290.3	271.9	269.2
45°	1492.2	959.8	291.2	334.3	415.5	475.1	418.2	322.4	276.5	262.3	261.4
47.5°	1545.0	906.6	283.9	333.4	425.1	471.0	393.0	316.0	271.0	266.9	269.6
50°	1601.8	846.1	277.9	331.1	432.9	471.0	379.2	314.6	272.9	282.0	291.2
52.5°	1655.0	795.2	271.0	324.2	436.1	462.7	375.1	319.6	275.6	273.3	276.1
55°	1719.7	769.0	267.4	314.6	430.1	437.5	370.1	333.4	277.9	259.1	259.1
57.5°	1793.5	763.5	261.8	301.7	410.9	402.6	369.6	341.6	271.9	254.5	251.3
60°	1882.5	775.5	255.0	285.7	387.5	375.6	366.4	341.6	262.3	246.7	248.1
62.5°	1954.5	774.1	250.8	271.5	356.3	347.6	360.4	337.1	258.6	245.8	245.3
65°	1971.4	744.7	238.9	253.1	317.8	313.7	354.0	325.6	253.6	240.8	237.1
67.5°	1914.1	678.2	221.0	228.8	277.0	277.4	342.6	310.5	246.7	238.0	232.0
70°	1751.3	548.5	194.4	199.5	233.0	238.9	325.6	292.6	235.3	226.1	211.9
72.5°	1465.6	394.4	163.7	165.1	185.3	200.9	296.2	268.3	218.3	196.7	181.6
75°	1085.0	261.8	133.4	131.6	139.0	163.3	253.1	241.2	196.3	163.3	155.5
77.5°	573.7	155.0	102.7	103.2	98.6	125.2	200.9	209.6	174.3	137.6	129.8
80°	196.3	93.1	73.8	77.0	69.7	89.4	149.0	174.3	149.0	114.6	101.3
82.5°	89.9	56.9	52.7	55.0	50.0	60.5	102.3	132.1	118.8	83.5	67.4
85°	45.4	33.9	33.9	37.1	33.0	31.2	56.4	87.6	87.1	57.3	49.5
87.5°	18.8	16.5	15.6	17.9	15.6	11.9	16.1	31.6	45.9	34.4	22.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)