

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: P672257

Luminaire Tested: **CCP-SA-1D-740-U-T3R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672257
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-740-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T3R distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

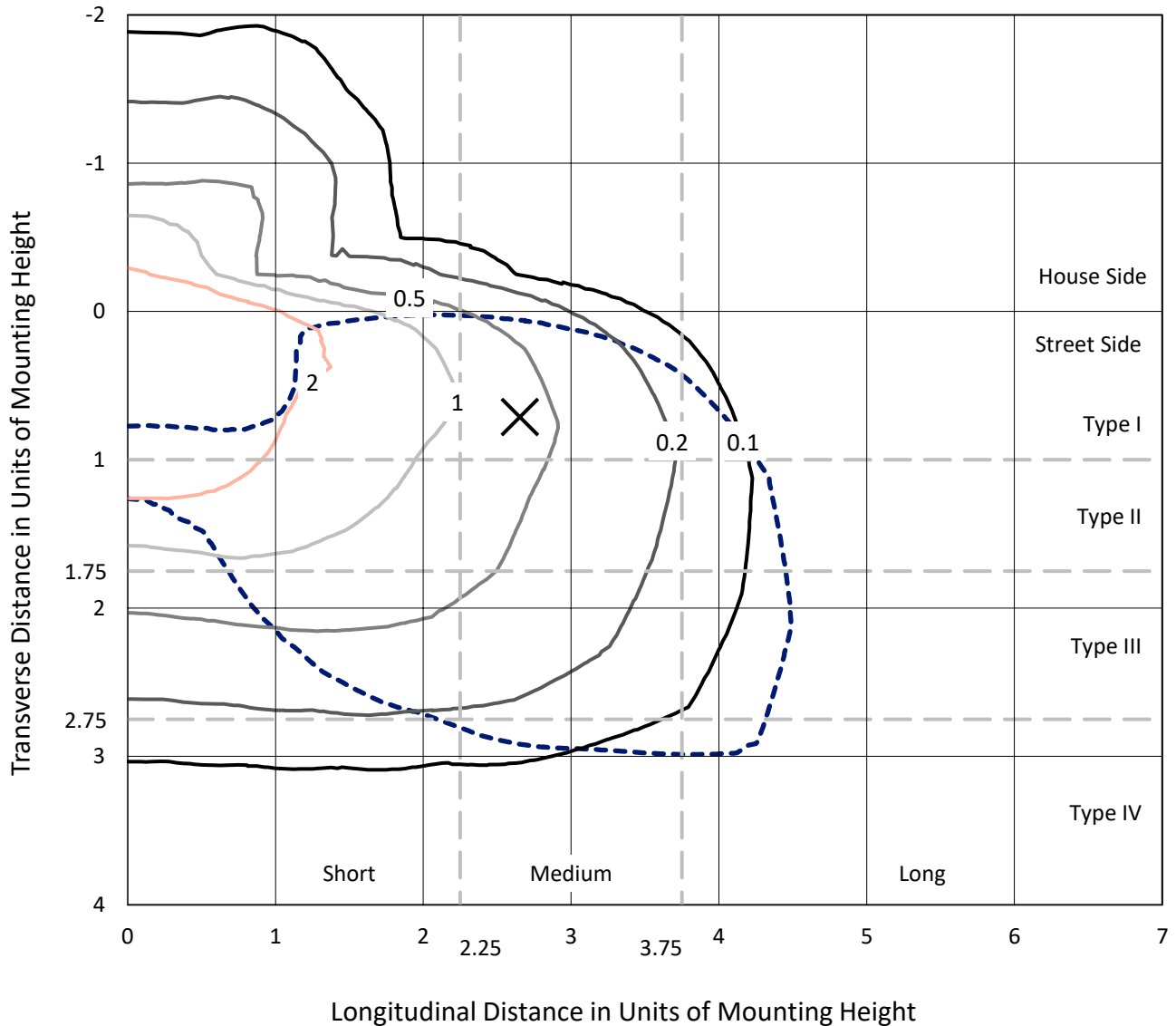
Lumens per Lamp: N/A
Luminaire Lumens: 5668.2 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 44
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: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

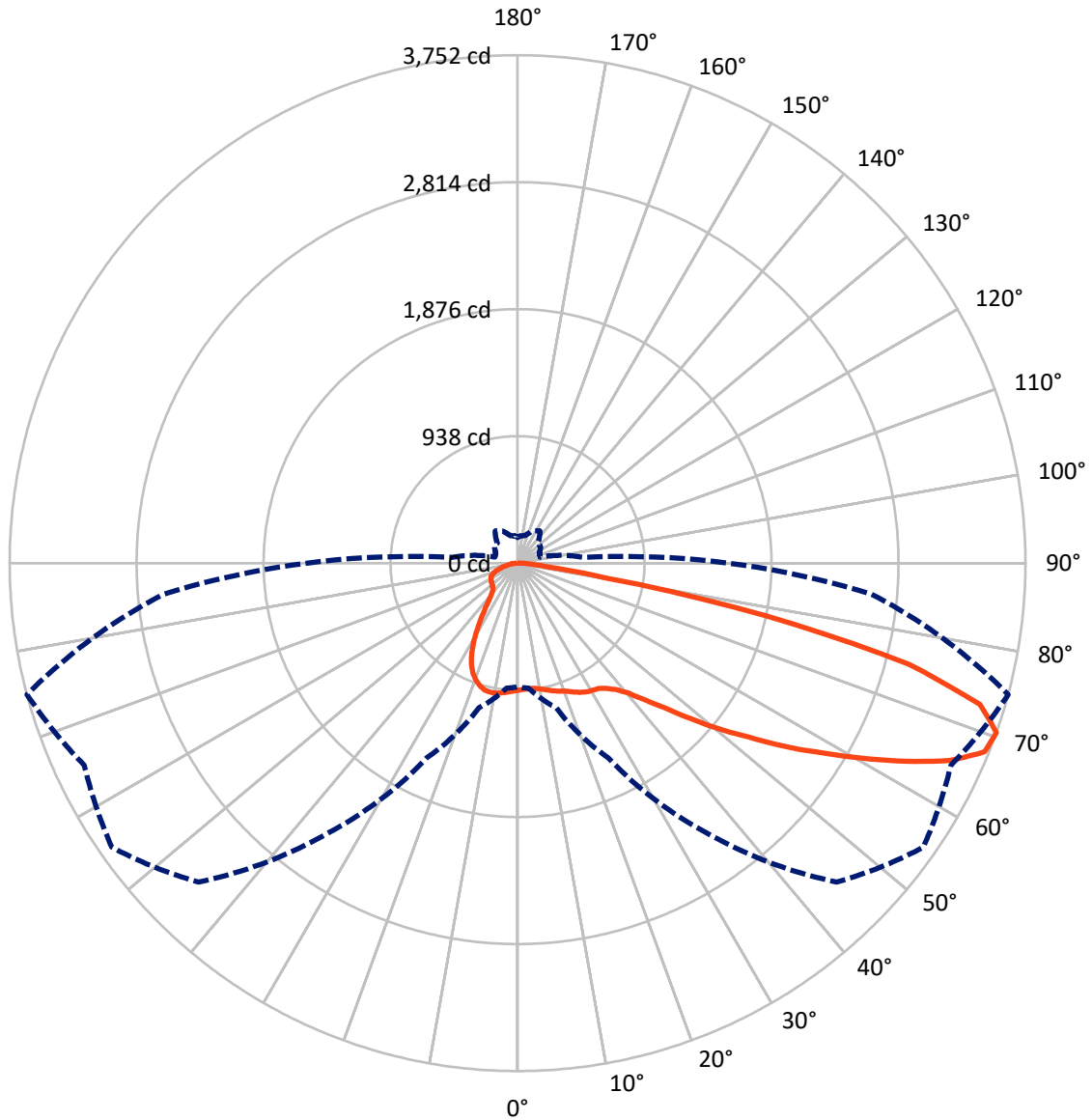
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.3 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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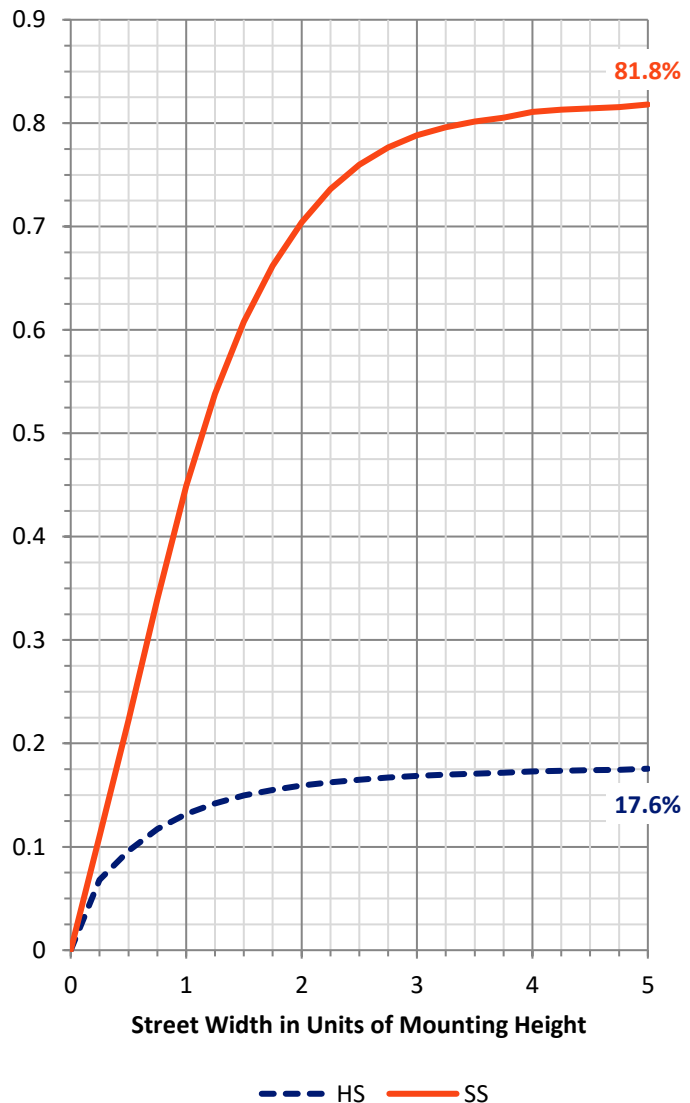
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1008.4	0.0	1008.4
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	4659.8	0.0	4659.8
	% Fixture	82.2	0.0	82.2
Total	Lumens	5668.2	0.0	5668.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.3	1.5
10°-20°	225.1	4.0
20°-30°	379.2	6.7
30°-40°	576.0	10.2
40°-50°	825.2	14.6
50°-60°	1094.1	19.3
60°-70°	1369.1	24.2
70°-80°	999.8	17.6
80°-90°	115.3	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°	5668.2	100.0
0°-180°	5668.2	100.0



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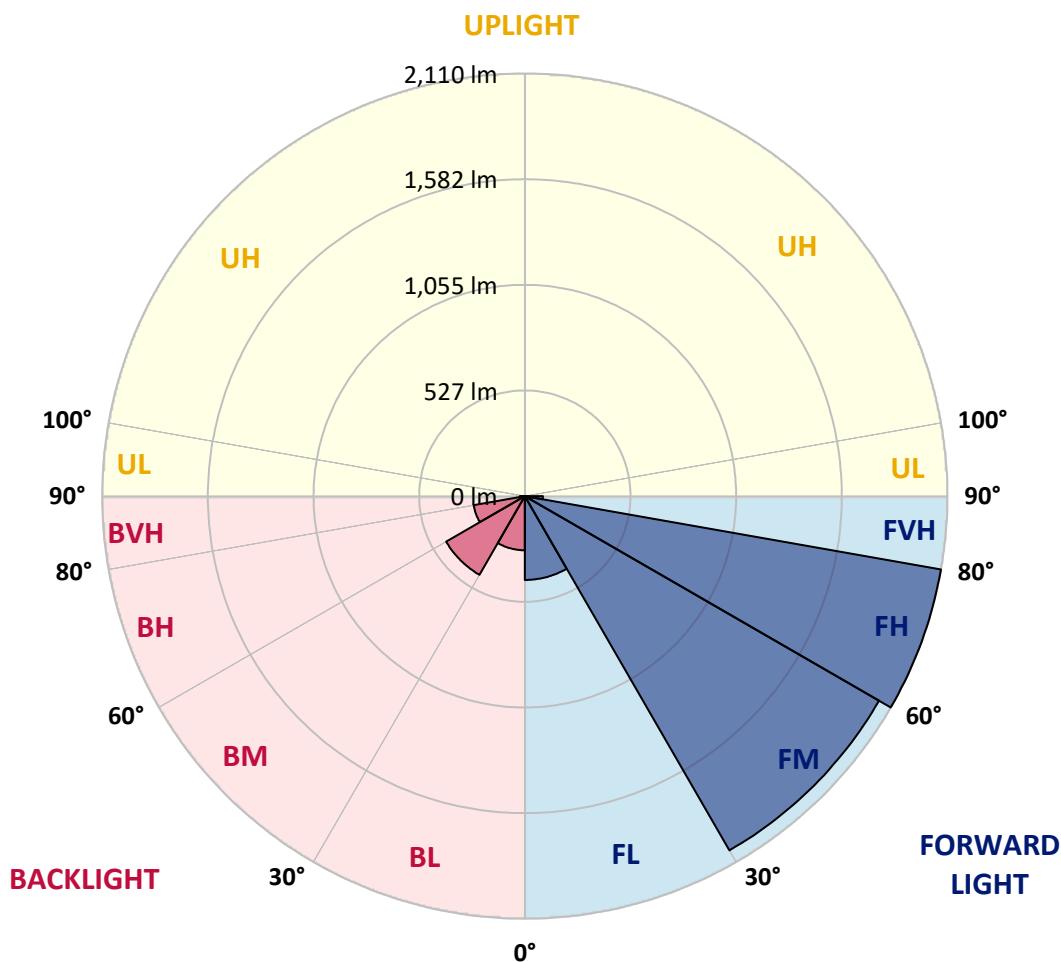
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	418.4	7.4			
FM (30°-60°)	2041.9	36.0			
FH (60°-80°)	2109.6	37.2			G2/5000
FVH (80°-90°)	90.0	1.6			G1/100
BL (0°-30°)	270.3	4.8	B1/500		
BM (30°-60°)	453.4	8.0	B1/1000		
BH (60°-80°)	259.4	4.6	B1/500		G1/500
BVH (80°-90°)	25.3	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°	938.9	938.9	938.9	938.9	938.9	938.9	938.9	938.9	938.9	938.9	938.9
2.5°	887.5	892.4	896.9	901.4	905.1	914.8	916.9	927.5	930.3	932.8	936.1
5°	837.8	841.4	845.9	853.3	861.0	878.5	890.8	914.0	927.1	931.2	942.6
7.5°	810.8	812.1	818.2	824.3	833.3	850.4	867.1	903.4	929.5	934.0	958.5
10°	791.3	792.9	798.6	807.2	816.1	832.1	852.9	896.1	938.5	945.4	980.1
12.5°	784.3	783.5	790.0	795.8	808.4	828.4	850.0	896.5	950.7	960.5	1011.5
15°	812.1	806.8	810.8	808.8	812.9	832.5	858.2	905.5	965.8	978.1	1044.1
17.5°	873.2	868.8	865.9	848.4	836.9	848.0	872.4	918.1	981.7	994.8	1073.5
20°	964.6	952.0	941.4	912.0	880.2	876.5	893.6	930.8	996.8	1009.5	1104.5
22.5°	1068.6	1058.4	1041.3	989.9	940.5	916.1	920.6	954.0	1018.9	1032.7	1140.0
25°	1199.9	1199.5	1164.5	1095.1	1020.5	971.1	961.8	991.1	1043.7	1057.2	1169.4
27.5°	1349.6	1339.4	1297.8	1208.5	1114.7	1039.2	1017.2	1029.1	1063.7	1077.6	1193.0
30°	1477.7	1478.9	1436.5	1339.0	1215.0	1105.7	1064.1	1056.4	1076.8	1090.6	1215.0
32.5°	1614.7	1607.8	1569.1	1468.7	1323.5	1177.1	1094.3	1076.0	1090.2	1103.3	1245.6
35°	1743.6	1735.9	1702.4	1594.4	1443.0	1255.8	1135.1	1106.5	1122.0	1136.3	1283.2
37.5°	1866.4	1867.6	1829.7	1726.5	1558.9	1348.8	1195.5	1152.6	1169.4	1185.3	1340.3
40°	1973.7	1967.6	1938.2	1845.2	1679.2	1443.4	1263.6	1215.4	1248.1	1262.8	1412.4
42.5°	2007.9	2007.5	2018.9	1961.8	1805.6	1556.0	1348.4	1313.3	1359.4	1381.4	1501.0
45°	1978.2	1987.1	2053.2	2051.6	1932.1	1685.3	1464.2	1432.4	1498.9	1523.8	1609.0
47.5°	1948.8	1962.3	2052.0	2103.0	2045.5	1827.7	1606.6	1582.9	1678.4	1714.3	1721.2
50°	1906.0	1918.6	2025.5	2110.3	2114.8	1971.6	1790.9	1761.2	1883.9	1920.7	1843.2
52.5°	1858.2	1868.0	1978.6	2105.0	2147.8	2084.2	1971.6	1963.1	2104.2	2134.0	1967.1
55°	1594.8	1636.4	1909.6	2093.6	2170.7	2170.3	2147.4	2175.6	2344.4	2388.9	2105.4
57.5°	1443.4	1465.5	1715.5	2087.1	2213.5	2249.8	2328.9	2389.3	2601.0	2640.9	2258.0
60°	1394.1	1413.7	1618.0	2079.3	2298.7	2374.2	2506.3	2604.2	2876.7	2925.6	2428.4
62.5°	1349.2	1372.9	1578.4	2017.7	2401.9	2571.2	2718.0	2836.7	3167.5	3225.4	2598.1
65°	1257.9	1274.6	1505.8	1965.9	2499.8	2852.2	3023.5	3092.9	3449.3	3514.6	2710.7
67.5°	1100.0	1115.9	1342.3	1846.8	2563.4	3144.7	3357.6	3358.0	3667.1	3720.6	2734.3
70°	914.4	926.7	1106.5	1587.4	2430.9	3332.3	3659.0	3531.3	3728.7	3752.0	2621.8
72.5°	653.8	664.4	810.4	1173.4	1993.3	3180.1	3727.5	3524.0	3579.4	3572.1	2301.6
75°	403.0	423.4	496.4	716.2	1238.7	2502.3	3354.7	3193.2	3005.6	2985.2	1733.0
77.5°	262.7	273.3	335.7	422.6	546.5	1436.5	2548.0	2394.2	1897.8	1874.2	931.6
80°	157.8	175.4	219.8	265.5	247.6	549.4	1454.9	1189.3	670.5	663.2	286.3
82.5°	84.8	100.7	155.0	164.4	139.1	194.1	527.0	386.7	214.5	212.1	107.3
85°	67.3	75.0	111.3	104.0	78.7	98.3	205.6	161.1	110.1	107.7	40.4
87.5°	40.8	51.4	84.4	70.2	39.2	35.5	94.2	76.3	51.8	48.1	15.9
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°	938.9	938.9	938.9	938.9	938.9	938.9	938.9	938.9	938.9	938.9	938.9
2.5°	942.2	944.2	946.3	942.2	943.8	941.8	941.8	941.8	936.5	934.8	939.7
5°	951.1	954.0	955.6	943.0	935.2	923.8	914.4	900.2	892.0	886.7	886.7
7.5°	969.5	972.8	965.4	937.3	910.0	879.4	848.0	821.9	803.1	794.9	797.4
10°	996.4	997.6	973.2	921.4	863.0	806.4	761.9	727.2	704.0	692.2	690.5
12.5°	1027.8	1022.5	974.8	886.3	799.8	723.6	669.3	624.4	594.7	583.3	577.5
15°	1058.8	1046.2	968.7	844.3	728.0	636.3	566.9	524.5	506.2	500.9	498.8
17.5°	1086.6	1062.9	948.3	783.9	644.8	534.3	483.3	468.2	470.3	475.2	477.2
20°	1111.8	1075.5	918.9	712.1	540.8	454.8	442.1	456.0	467.4	474.8	476.0
22.5°	1139.6	1087.8	878.1	624.9	455.6	418.1	433.2	449.1	460.5	467.8	469.0
25°	1160.8	1087.4	820.6	521.3	401.7	408.3	426.2	440.5	449.1	454.4	454.0
27.5°	1174.3	1077.6	745.2	436.0	380.5	401.3	418.5	427.9	432.7	436.8	436.4
30°	1178.3	1058.8	650.1	373.2	370.8	394.8	407.9	413.6	417.2	421.3	421.3
32.5°	1186.5	1029.9	545.3	338.1	363.4	388.3	396.0	400.5	397.7	387.5	385.4
35°	1195.5	997.6	446.2	321.8	356.5	383.8	391.1	379.3	348.3	344.2	342.6
37.5°	1213.0	967.9	362.2	310.4	354.8	386.3	392.4	345.1	319.0	306.3	304.3
40°	1242.8	938.1	305.9	302.2	356.9	396.9	376.1	328.7	285.5	261.4	257.4
42.5°	1281.9	901.8	274.1	298.2	362.6	414.0	370.3	305.5	258.2	241.9	239.4
45°	1327.2	853.7	259.0	297.3	369.5	422.6	372.0	286.7	245.9	233.3	232.5
47.5°	1374.1	806.4	252.5	296.5	378.1	418.9	349.5	281.0	241.0	237.4	239.8
50°	1424.7	752.5	247.2	294.5	385.0	418.9	337.3	279.8	242.7	250.8	259.0
52.5°	1472.0	707.2	241.0	288.4	387.9	411.5	333.6	284.3	245.1	243.1	245.5
55°	1529.5	684.0	237.8	279.8	382.6	389.1	329.1	296.5	247.2	230.4	230.4
57.5°	1595.2	679.1	232.9	268.4	365.4	358.1	328.7	303.9	241.9	226.4	223.5
60°	1674.3	689.7	226.8	254.1	344.6	334.0	325.9	303.9	233.3	219.4	220.7
62.5°	1738.3	688.5	223.1	241.5	316.9	309.2	320.6	299.8	230.0	218.6	218.2
65°	1753.4	662.4	212.5	225.1	282.7	279.0	314.9	289.6	225.6	214.1	210.9
67.5°	1702.4	603.2	196.6	203.5	246.4	246.8	304.7	276.1	219.4	211.7	206.4
70°	1557.6	487.8	172.9	177.4	207.2	212.5	289.6	260.2	209.2	201.1	188.4
72.5°	1303.5	350.8	145.6	146.8	164.8	178.6	263.5	238.6	194.1	175.0	161.5
75°	965.0	232.9	118.7	117.1	123.6	145.2	225.1	214.5	174.6	145.2	138.3
77.5°	510.2	137.9	91.4	91.8	87.7	111.3	178.6	186.4	155.0	122.4	115.4
80°	174.6	82.8	65.7	68.5	62.0	79.5	132.6	155.0	132.6	102.0	90.1
82.5°	79.9	50.6	46.9	48.9	44.5	53.8	91.0	117.5	105.6	74.2	60.0
85°	40.4	30.2	30.2	33.0	29.4	27.7	50.2	77.9	77.5	51.0	44.0
87.5°	16.7	14.7	13.9	15.9	13.9	10.6	14.3	28.1	40.8	30.6	19.6
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)