

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: P672259

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672259
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-740-U-T3R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ T3R distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

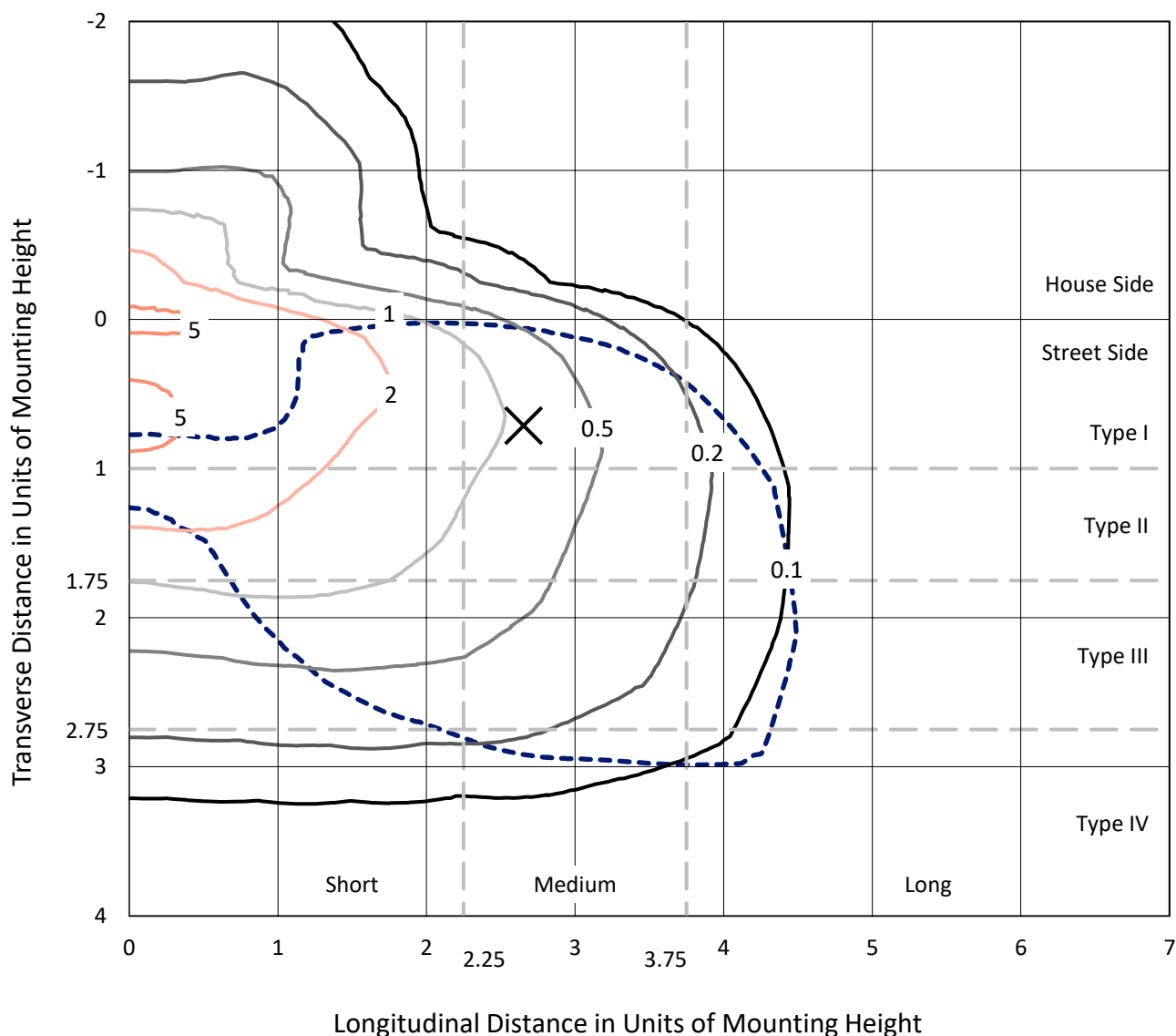
Lumens per Lamp: N/A
Luminaire Lumens: 7620.4 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
Input Voltage (V): 120
Input Current (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

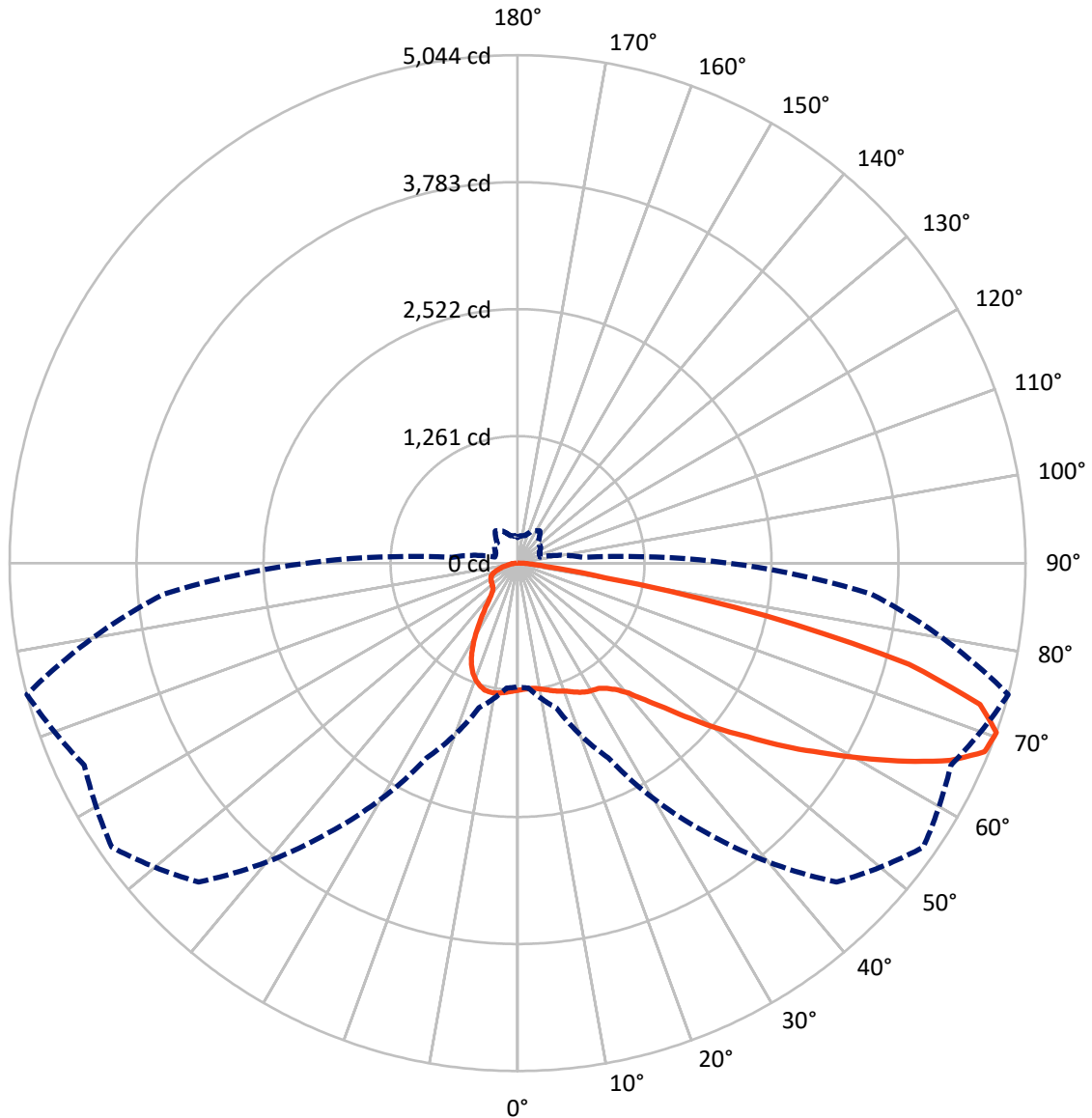
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.8 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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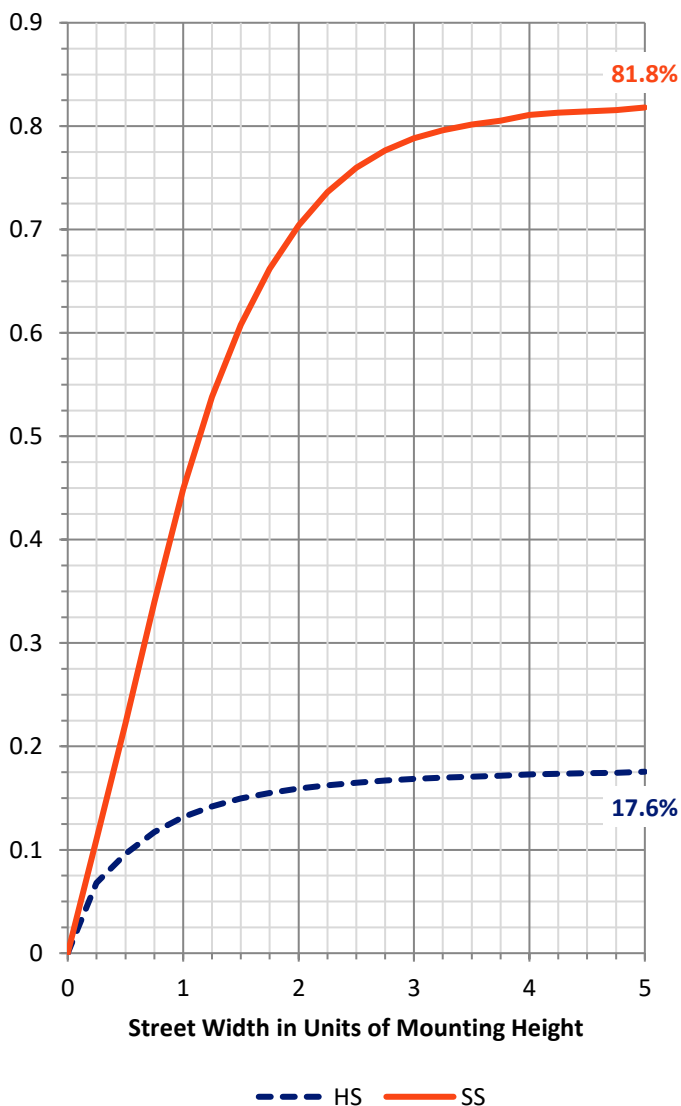
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1355.8	0.0	1355.8
	% Fixture	17.8	0.0	17.8
Street Side	Lumens	6264.7	0.0	6264.7
	% Fixture	82.2	0.0	82.2
Total	Lumens	7620.4	0.0	7620.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.4	1.5
10°-20°	302.6	4.0
20°-30°	509.9	6.7
30°-40°	774.4	10.2
40°-50°	1109.4	14.6
50°-60°	1470.9	19.3
60°-70°	1840.7	24.2
70°-80°	1344.2	17.6
80°-90°	155.0	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°	7620.4	100.0
0°-180°	7620.4	100.0



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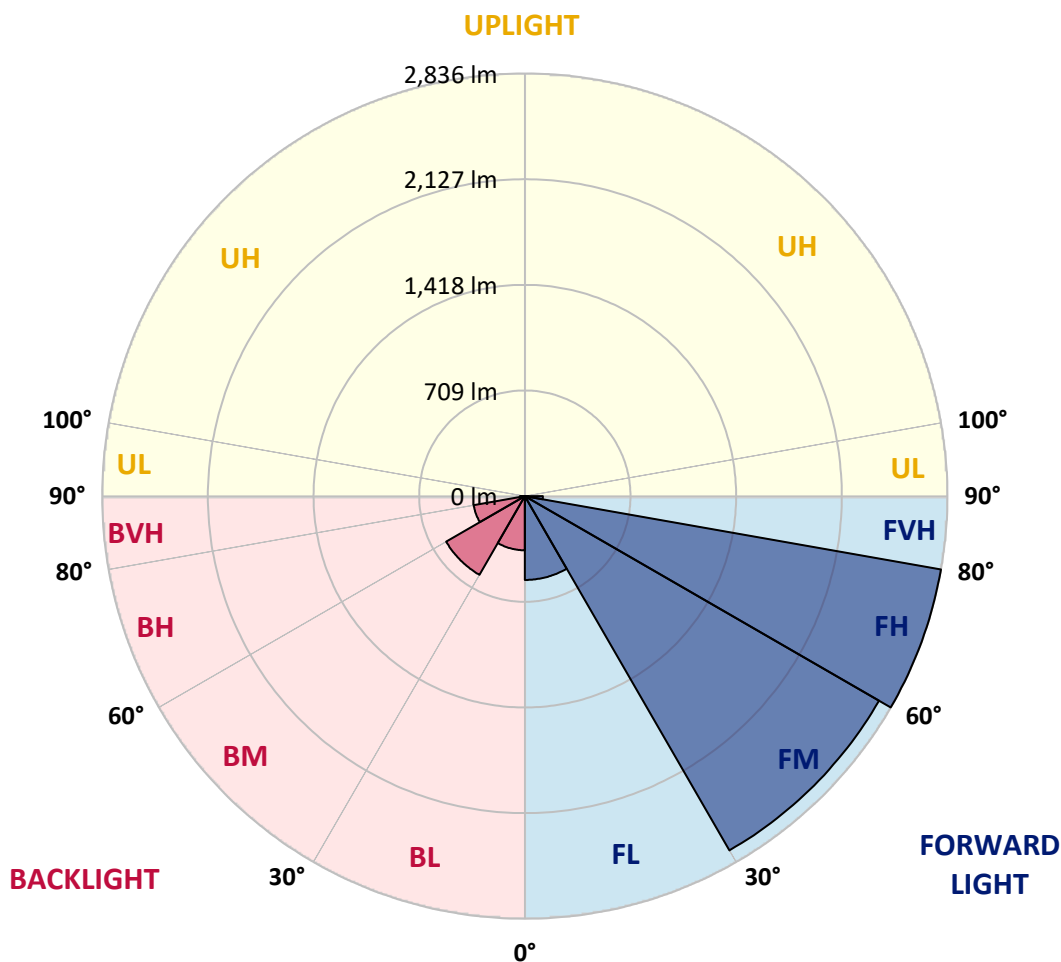
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	562.4	7.4			
FM (30°-60°)	2745.2	36.0			
FH (60°-80°)	2836.1	37.2			G2/5000
FVH (80°-90°)	120.9	1.6			G2/225
BL (0°-30°)	363.4	4.8	B1/500		
BM (30°-60°)	609.6	8.0	B1/1000		
BH (60°-80°)	348.7	4.6	B1/500		G1/500
BVH (80°-90°)	34.0	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°	1262.3	1262.3	1262.3	1262.3	1262.3	1262.3	1262.3	1262.3	1262.3	1262.3	1262.3
2.5°	1193.2	1199.8	1205.8	1211.8	1216.8	1229.9	1232.7	1246.9	1250.8	1254.1	1258.5
5°	1126.3	1131.2	1137.3	1147.1	1157.6	1181.1	1197.6	1228.8	1246.4	1251.9	1267.2
7.5°	1090.1	1091.8	1100.0	1108.2	1120.3	1143.3	1165.8	1214.6	1249.7	1255.7	1288.6
10°	1063.8	1066.0	1073.7	1085.2	1097.2	1118.6	1146.6	1204.7	1261.7	1271.1	1317.7
12.5°	1054.5	1053.4	1062.1	1069.8	1086.8	1113.7	1142.8	1205.3	1278.2	1291.4	1359.9
15°	1091.8	1084.6	1090.1	1087.4	1092.9	1119.2	1153.7	1217.3	1298.5	1314.9	1403.8
17.5°	1174.0	1168.0	1164.1	1140.6	1125.2	1140.0	1172.9	1234.3	1319.9	1337.4	1443.2
20°	1296.8	1279.8	1265.6	1226.1	1183.3	1178.4	1201.4	1251.3	1340.2	1357.2	1484.9
22.5°	1436.7	1423.0	1399.9	1330.8	1264.5	1231.6	1237.6	1282.6	1369.8	1388.4	1532.6
25°	1613.2	1612.7	1565.5	1472.3	1372.0	1305.6	1293.0	1332.5	1403.2	1421.3	1572.1
27.5°	1814.5	1800.8	1744.8	1624.7	1498.6	1397.2	1367.6	1383.5	1430.1	1448.7	1603.9
30°	1986.7	1988.3	1931.3	1800.2	1633.5	1486.6	1430.6	1420.2	1447.6	1466.3	1633.5
32.5°	2170.9	2161.6	2109.5	1974.6	1779.4	1582.5	1471.2	1446.5	1465.7	1483.3	1674.6
35°	2344.2	2333.8	2288.8	2143.5	1940.0	1688.4	1526.0	1487.7	1508.5	1527.7	1725.1
37.5°	2509.2	2510.9	2459.9	2321.1	2095.8	1813.4	1607.2	1549.6	1572.1	1593.5	1801.9
40°	2653.4	2645.2	2605.7	2480.7	2257.5	1940.6	1698.8	1634.1	1677.9	1697.7	1898.9
42.5°	2699.5	2699.0	2714.3	2637.5	2427.5	2091.9	1812.8	1765.7	1827.6	1857.2	2017.9
45°	2659.5	2671.5	2760.4	2758.2	2597.5	2265.8	1968.6	1925.8	2015.2	2048.6	2163.2
47.5°	2620.0	2638.1	2758.7	2827.3	2750.0	2457.1	2159.9	2128.1	2256.4	2304.7	2314.0
50°	2562.4	2579.4	2723.1	2837.1	2843.2	2650.7	2407.8	2367.8	2532.8	2582.2	2478.0
52.5°	2498.3	2511.4	2660.0	2830.0	2887.6	2802.0	2650.7	2639.2	2828.9	2868.9	2644.7
55°	2144.0	2200.0	2567.4	2814.7	2918.3	2917.7	2887.0	2924.9	3151.9	3211.7	2830.6
57.5°	1940.6	1970.2	2306.3	2805.9	2975.9	3024.7	3131.1	3212.2	3496.8	3550.5	3035.6
60°	1874.2	1900.6	2175.3	2795.5	3090.5	3191.9	3369.6	3501.2	3867.5	3933.3	3264.8
62.5°	1813.9	1845.7	2122.1	2712.7	3229.2	3456.8	3654.2	3813.7	4258.4	4336.3	3493.0
65°	1691.1	1713.6	2024.5	2643.0	3360.8	3834.6	4064.9	4158.1	4637.4	4725.1	3644.3
67.5°	1478.9	1500.3	1804.6	2482.9	3446.3	4227.7	4514.0	4514.5	4930.2	5002.0	3676.1
70°	1229.4	1245.8	1487.7	2134.2	3268.1	4480.0	4919.2	4747.6	5013.0	5044.2	3524.8
72.5°	879.0	893.3	1089.6	1577.6	2679.8	4275.4	5011.3	4737.7	4812.3	4802.4	3094.3
75°	541.8	569.2	667.3	962.9	1665.3	3364.1	4510.1	4293.0	4040.8	4013.3	2329.9
77.5°	353.1	367.4	451.3	568.1	734.8	1931.3	3425.5	3218.8	2551.5	2519.6	1252.4
80°	212.2	235.8	295.6	357.0	332.8	738.6	1955.9	1599.0	901.5	891.6	384.9
82.5°	114.1	135.4	208.4	221.0	187.0	261.0	708.5	519.8	288.4	285.1	144.2
85°	90.5	100.9	149.7	139.8	105.8	132.2	276.4	216.6	148.1	144.8	54.3
87.5°	54.8	69.1	113.5	94.3	52.6	47.7	126.7	102.5	69.6	64.7	21.4
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°	1262.3	1262.3	1262.3	1262.3	1262.3	1262.3	1262.3	1262.3	1262.3	1262.3	1262.3
2.5°	1266.7	1269.4	1272.2	1266.7	1268.9	1266.1	1266.1	1266.1	1259.0	1256.8	1263.4
5°	1278.7	1282.6	1284.8	1267.8	1257.4	1242.0	1229.4	1210.2	1199.2	1192.1	1192.1
7.5°	1303.4	1307.8	1297.9	1260.1	1223.4	1182.2	1140.0	1104.9	1079.7	1068.7	1072.0
10°	1339.6	1341.3	1308.4	1238.7	1160.3	1084.1	1024.3	977.7	946.4	930.5	928.3
12.5°	1381.8	1374.7	1310.5	1191.6	1075.3	972.8	899.8	839.5	799.5	784.1	776.5
15°	1423.5	1406.5	1302.3	1135.1	978.8	855.4	762.2	705.2	680.5	673.4	670.6
17.5°	1460.8	1429.0	1274.9	1053.9	866.9	718.3	649.8	629.5	632.2	638.8	641.6
20°	1494.8	1446.0	1235.4	957.4	727.1	611.4	594.4	613.0	628.4	638.3	639.9
22.5°	1532.1	1462.4	1180.6	840.1	612.5	562.1	582.3	603.7	619.1	629.0	630.6
25°	1560.6	1461.9	1103.3	700.8	540.1	548.9	573.0	592.2	603.7	610.9	610.3
27.5°	1578.7	1448.7	1001.8	586.2	511.6	539.6	562.6	575.2	581.8	587.3	586.7
30°	1584.2	1423.5	874.1	501.7	498.4	530.8	548.3	556.0	561.0	566.4	566.4
32.5°	1595.1	1384.6	733.1	454.6	488.6	522.0	532.4	538.5	534.6	520.9	518.2
35°	1607.2	1341.3	599.9	432.6	479.3	516.0	525.9	510.0	468.3	462.8	460.6
37.5°	1630.8	1301.2	486.9	417.3	477.1	519.3	527.5	463.9	428.8	411.8	409.1
40°	1670.8	1261.2	411.3	406.3	479.8	533.5	505.6	442.0	383.8	351.5	346.0
42.5°	1723.4	1212.4	368.5	400.8	487.5	556.6	497.9	410.7	347.1	325.2	321.9
45°	1784.3	1147.7	348.2	399.7	496.8	568.1	500.1	385.5	330.7	313.7	312.6
47.5°	1847.4	1084.1	339.4	398.6	508.3	563.2	469.9	377.8	324.1	319.1	322.4
50°	1915.4	1011.7	332.3	395.9	517.6	563.2	453.5	376.2	326.3	337.2	348.2
52.5°	1979.0	950.8	324.1	387.7	521.5	553.3	448.5	382.2	329.6	326.8	330.1
55°	2056.3	919.6	319.7	376.2	514.3	523.1	442.5	398.6	332.3	309.8	309.8
57.5°	2144.6	913.0	313.1	360.8	491.3	481.4	442.0	408.5	325.2	304.3	300.5
60°	2251.0	927.3	304.9	341.6	463.4	449.1	438.1	408.5	313.7	295.0	296.7
62.5°	2337.0	925.6	299.9	324.6	426.1	415.6	431.0	403.0	309.3	293.9	293.4
65°	2357.3	890.5	285.7	302.7	380.0	375.1	423.3	389.3	303.2	287.9	283.5
67.5°	2288.8	811.0	264.3	273.6	331.2	331.7	409.6	371.2	295.0	284.6	277.5
70°	2094.1	655.8	232.5	238.5	278.6	285.7	389.3	349.8	281.3	270.3	253.3
72.5°	1752.5	471.6	195.8	197.4	221.5	240.2	354.2	320.8	261.0	235.2	217.1
75°	1297.4	313.1	159.6	157.4	166.1	195.2	302.7	288.4	234.7	195.2	185.9
77.5°	686.0	185.3	122.8	123.4	117.9	149.7	240.2	250.6	208.4	164.5	155.2
80°	234.7	111.3	88.3	92.1	83.3	106.9	178.2	208.4	178.2	137.1	121.2
82.5°	107.5	68.0	63.1	65.8	59.8	72.4	122.3	157.9	142.0	99.8	80.6
85°	54.3	40.6	40.6	44.4	39.5	37.3	67.4	104.7	104.2	68.5	59.2
87.5°	22.5	19.7	18.6	21.4	18.6	14.3	19.2	37.8	54.8	41.1	26.3
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)