

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: P670960

Luminaire Tested: **CCP-SA-1C-740-U-T4FT**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P670960
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-740-U-T4FT
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @615mA w/ T4FT distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

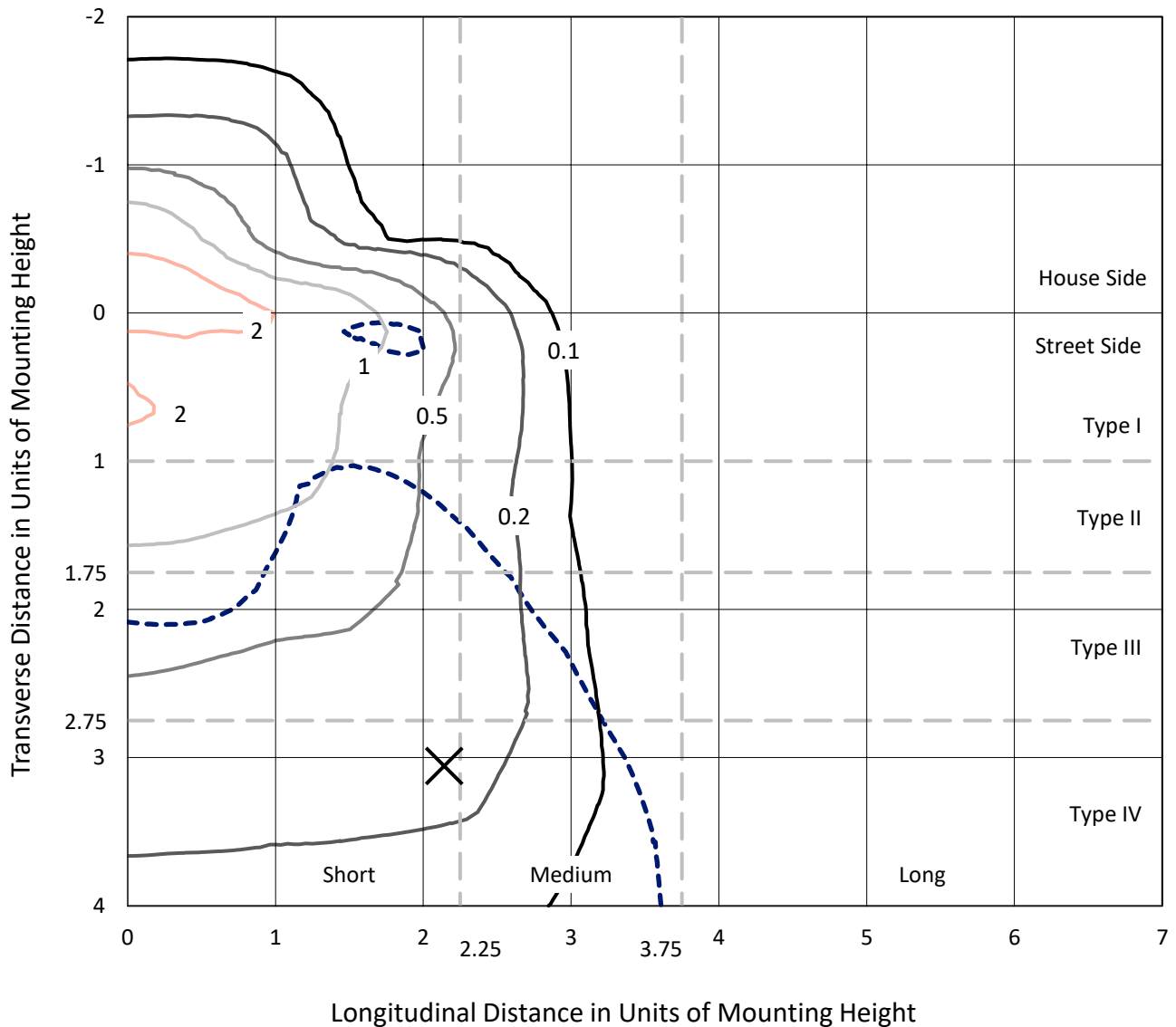
Lumens per Lamp: N/A
Luminaire Lumens: 4518.5 lumens
Efficiency: N/A
Efficacy: 141.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 32
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

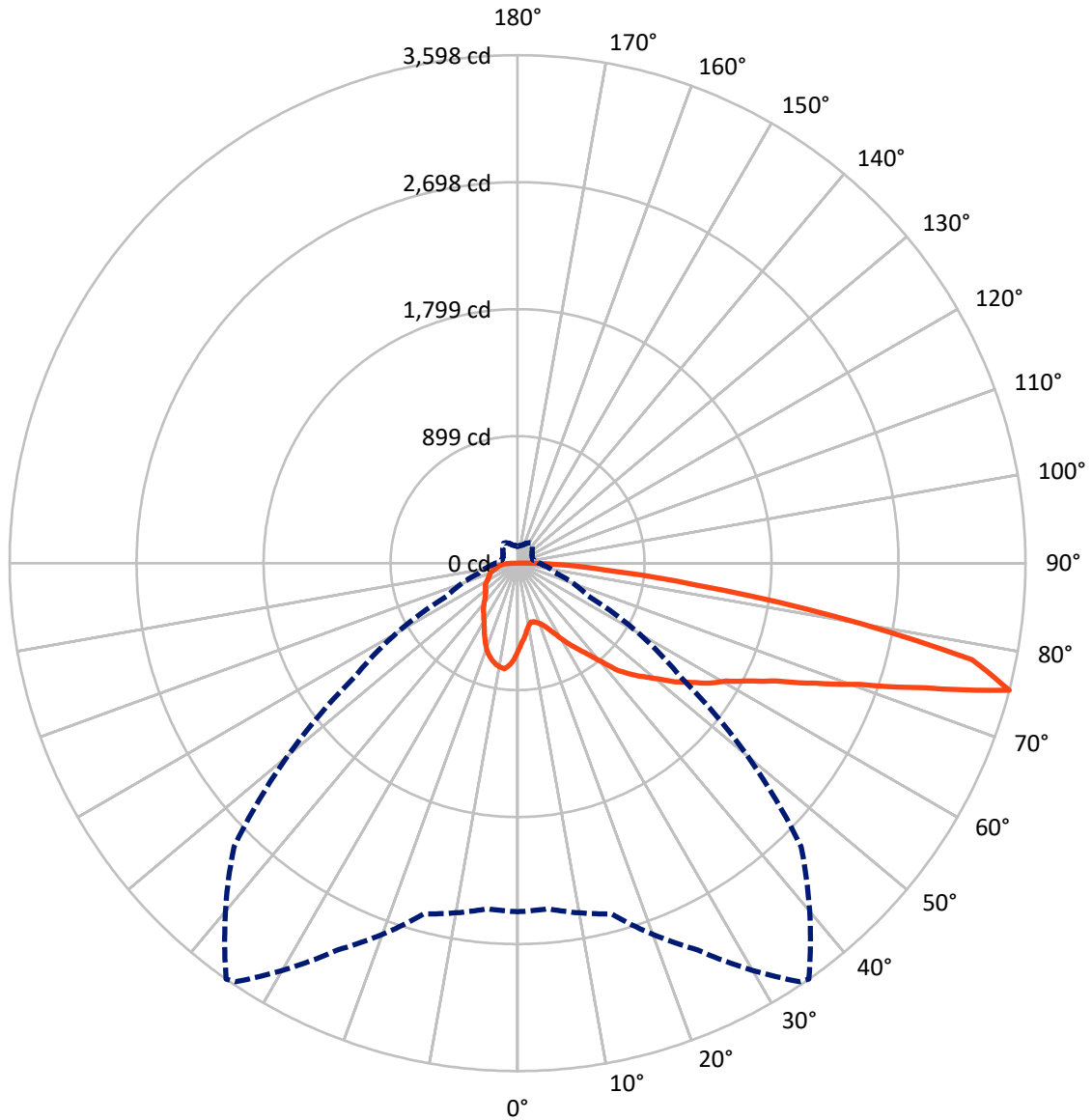
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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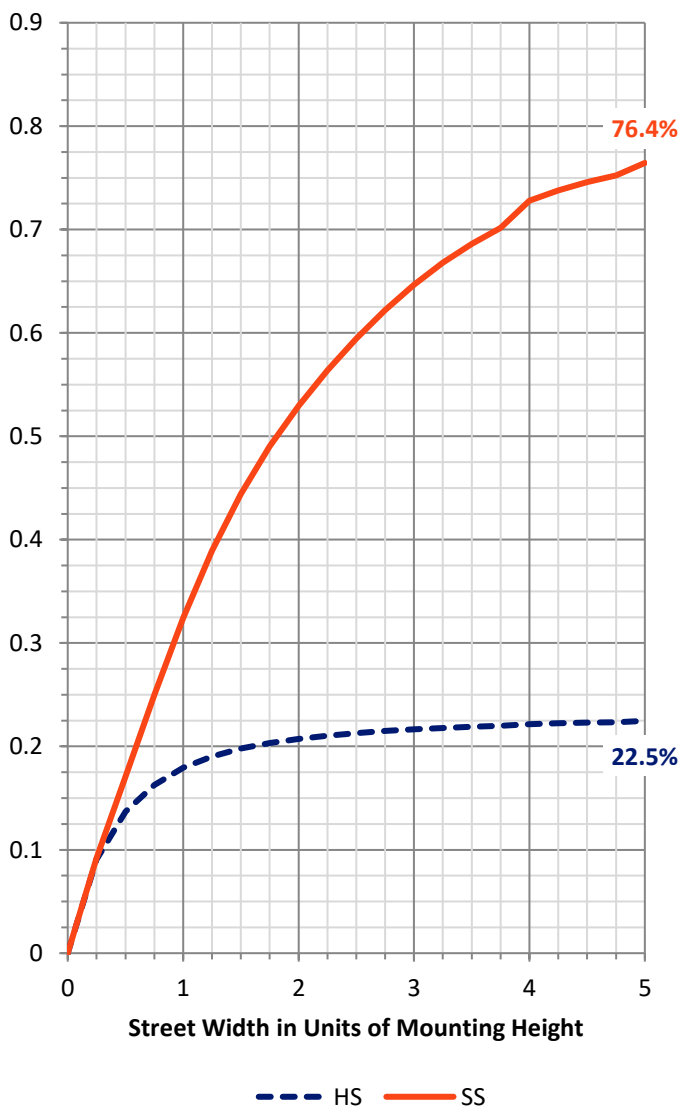
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1038.5	0.0	1038.5
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	3480.0	0.0	3480.0
	% Fixture	77.0	0.0	77.0
Total	Lumens	4518.5	0.0	4518.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.0	1.3
10°-20°	171.2	3.8
20°-30°	284.1	6.3
30°-40°	421.1	9.3
40°-50°	607.2	13.4
50°-60°	835.0	18.5
60°-70°	1031.4	22.8
70°-80°	943.5	20.9
80°-90°	166.1	3.7
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°	4518.5	100.0
0°-180°	4518.5	100.0



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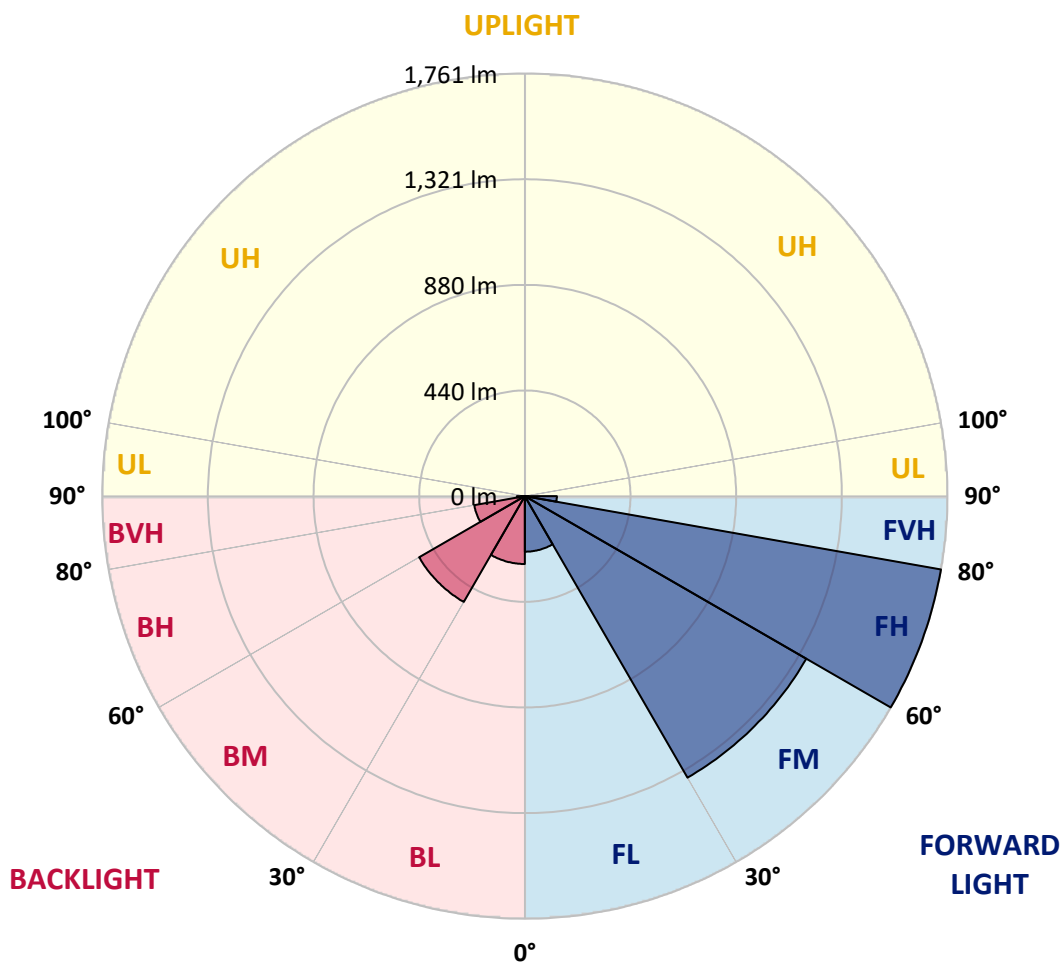
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	231.6	5.1			
FM (30°-60°)	1354.4	30.0			
FH (60°-80°)	1760.8	39.0			G1/1800
FVH (80°-90°)	133.3	3.0			G2/225
BL (0°-30°)	282.7	6.3	B1/500		
BM (30°-60°)	508.9	11.3	B1/1000		
BH (60°-80°)	214.1	4.7	B1/500		G1/500
BVH (80°-90°)	32.8	0.7			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	619.1	619.1	619.1	619.1	619.1	619.1	619.1	619.1	619.1	619.1	619.1
2.5°	560.8	555.8	560.8	564.1	564.1	564.1	569.1	584.1	594.1	600.8	612.4
5°	502.6	504.2	507.6	515.9	520.9	524.2	532.5	550.8	565.8	587.4	612.4
7.5°	451.0	454.3	459.3	467.6	479.3	477.6	495.9	520.9	549.2	577.5	614.1
10°	424.4	431.0	432.7	434.3	446.0	446.0	470.9	499.2	534.2	570.8	614.1
12.5°	429.3	429.3	424.4	422.7	429.3	427.7	449.3	482.6	520.9	572.5	620.7
15°	444.3	444.3	434.3	424.4	434.3	431.0	449.3	475.9	520.9	574.1	634.0
17.5°	464.3	466.0	454.3	437.7	441.0	442.7	456.0	480.9	520.9	577.5	652.3
20°	504.2	495.9	477.6	451.0	462.6	457.6	477.6	499.2	530.9	590.8	679.0
22.5°	539.2	539.2	504.2	480.9	482.6	482.6	500.9	519.2	545.8	609.1	698.9
25°	595.8	592.4	549.2	514.2	517.5	519.2	529.2	550.8	570.8	619.1	723.9
27.5°	667.3	659.0	615.7	575.8	562.5	567.5	572.5	589.1	594.1	635.7	753.9
30°	743.9	732.2	695.6	632.4	625.7	627.4	619.1	629.0	622.4	662.3	783.8
32.5°	792.1	792.1	757.2	710.6	692.3	692.3	664.0	670.6	670.6	687.3	837.1
35°	833.7	830.4	807.1	772.2	760.5	753.9	725.6	735.5	718.9	735.5	911.9
37.5°	897.0	887.0	877.0	853.7	830.4	825.4	810.4	817.1	793.8	785.5	996.8
40°	970.2	965.2	955.2	945.2	921.9	920.3	903.6	910.3	885.3	853.7	1081.7
42.5°	1078.4	1063.4	1031.8	1023.4	1028.4	1035.1	1028.4	1016.8	971.9	931.9	1173.2
45°	1186.5	1163.2	1103.3	1090.0	1128.3	1123.3	1151.6	1146.6	1073.4	1010.1	1269.7
47.5°	1256.4	1236.4	1188.2	1179.9	1196.5	1203.2	1288.0	1273.1	1156.6	1081.7	1362.9
50°	1306.3	1308.0	1244.8	1266.4	1288.0	1288.0	1394.5	1392.9	1258.1	1169.9	1484.4
52.5°	1379.6	1356.3	1329.6	1349.6	1379.6	1396.2	1527.7	1491.1	1321.3	1244.8	1620.9
55°	1417.8	1407.9	1384.6	1419.5	1482.7	1491.1	1630.8	1602.6	1392.9	1333.0	1760.7
57.5°	1432.8	1441.1	1479.4	1494.4	1582.6	1604.2	1724.0	1684.1	1459.4	1442.8	1868.8
60°	1499.4	1487.7	1539.3	1599.2	1684.1	1695.8	1840.5	1754.0	1524.3	1514.4	1903.8
62.5°	1634.2	1604.2	1632.5	1704.1	1822.2	1837.2	1963.7	1847.2	1552.6	1562.6	1902.1
65°	1830.5	1808.9	1767.3	1823.9	1990.3	2011.9	2108.5	1927.1	1544.3	1546.0	1767.3
67.5°	2061.9	2026.9	1983.6	2018.6	2221.6	2271.5	2284.9	1962.0	1486.1	1452.8	1437.8
70°	2264.9	2241.6	2213.3	2273.2	2556.1	2574.4	2504.5	1940.4	1324.6	1166.6	958.5
72.5°	2454.6	2442.9	2459.6	2684.2	3008.8	3020.4	2710.9	1803.9	1046.7	707.3	446.0
75°	2469.6	2457.9	2572.7	3023.7	3576.2	3597.9	2839.0	1414.5	552.5	287.9	188.0
77.5°	1672.5	1707.4	1922.1	2647.6	3285.0	3290.0	2321.5	657.3	228.0	169.7	131.5
80°	411.0	456.0	723.9	1369.6	2215.0	2269.9	1271.4	221.3	149.8	129.8	98.2
82.5°	149.8	163.1	294.6	619.1	1244.8	1266.4	444.3	119.8	108.2	99.8	71.6
85°	71.6	73.2	139.8	304.5	629.0	622.4	159.8	71.6	78.2	68.2	43.3
87.5°	30.0	30.0	61.6	141.5	277.9	269.6	51.6	33.3	44.9	39.9	21.6
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°	619.1	619.1	619.1	619.1	619.1	619.1	619.1	619.1	619.1	619.1	619.1
2.5°	620.7	624.0	637.4	647.3	657.3	665.7	679.0	679.0	687.3	687.3	687.3
5°	619.1	637.4	659.0	682.3	697.3	712.2	725.6	727.2	732.2	738.9	740.5
7.5°	625.7	644.0	679.0	712.2	730.6	737.2	753.9	748.9	748.9	748.9	753.9
10°	639.0	659.0	707.3	737.2	750.5	752.2	747.2	743.9	733.9	730.6	725.6
12.5°	649.0	684.0	732.2	755.5	750.5	745.5	733.9	717.2	705.6	702.3	702.3
15°	674.0	708.9	753.9	762.2	753.9	727.2	712.2	693.9	684.0	669.0	675.6
17.5°	695.6	735.5	775.5	765.5	748.9	707.3	685.6	659.0	645.7	629.0	629.0
20°	723.9	760.5	795.5	768.8	732.2	687.3	652.3	619.1	600.8	584.1	587.4
22.5°	755.5	788.8	807.1	755.5	707.3	655.7	607.4	575.8	552.5	542.5	545.8
25°	780.5	817.1	813.8	733.9	677.3	615.7	562.5	532.5	527.5	517.5	517.5
27.5°	812.1	850.4	808.8	707.3	627.4	552.5	519.2	507.6	507.6	502.6	505.9
30°	853.7	880.3	797.1	669.0	564.1	495.9	479.3	485.9	497.6	492.6	494.2
32.5°	921.9	918.6	787.1	625.7	497.6	441.0	452.6	466.0	475.9	480.9	484.3
35°	988.5	966.9	775.5	567.5	436.0	414.4	424.4	439.3	457.6	462.6	464.3
37.5°	1055.1	1016.8	755.5	495.9	397.7	391.1	401.1	409.4	424.4	427.7	431.0
40°	1125.0	1050.1	720.6	426.0	366.1	366.1	372.8	374.4	382.8	387.7	391.1
42.5°	1186.5	1081.7	657.3	361.1	332.8	344.5	346.1	342.8	336.2	339.5	341.1
45°	1261.4	1116.6	584.1	314.5	307.9	322.8	326.2	312.9	301.2	294.6	291.2
47.5°	1334.6	1153.2	520.9	276.2	284.6	307.9	307.9	292.9	272.9	256.3	249.6
50°	1401.2	1189.9	469.3	252.9	261.3	296.2	299.5	271.3	249.6	229.7	226.3
52.5°	1512.7	1251.4	416.0	234.6	248.0	287.9	286.2	261.3	233.0	211.3	209.7
55°	1610.9	1313.0	346.1	216.3	234.6	276.2	281.2	251.3	213.0	193.0	189.7
57.5°	1682.4	1328.0	276.2	198.0	221.3	262.9	269.6	231.3	199.7	183.1	181.4
60°	1695.8	1269.7	224.7	183.1	203.0	244.6	249.6	219.7	189.7	176.4	173.1
62.5°	1634.2	1158.2	191.4	169.7	188.0	226.3	236.3	206.4	179.7	168.1	166.4
65°	1494.4	995.2	168.1	158.1	178.1	213.0	224.7	196.4	171.4	161.4	159.8
67.5°	1183.2	763.8	149.8	149.8	164.7	199.7	216.3	189.7	163.1	156.4	154.8
70°	773.8	459.3	136.5	138.1	154.8	188.0	206.4	181.4	153.1	151.4	148.1
72.5°	332.8	211.3	121.5	126.5	139.8	168.1	191.4	169.7	141.5	136.5	131.5
75°	153.1	128.1	109.8	113.2	124.8	148.1	173.1	156.4	131.5	123.1	118.2
77.5°	108.2	93.2	91.5	98.2	106.5	128.1	153.1	146.4	121.5	114.8	111.5
80°	79.9	71.6	76.6	83.2	88.2	118.2	144.8	134.8	111.5	101.5	96.5
82.5°	56.6	53.3	59.9	66.6	71.6	103.2	133.1	118.2	93.2	84.9	76.6
85°	33.3	34.9	41.6	44.9	49.9	76.6	111.5	94.9	71.6	54.9	53.3
87.5°	15.0	15.0	20.0	21.6	25.0	44.9	74.9	59.9	44.9	34.9	33.3
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)