

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: P672102

Luminaire Tested: **CCP-SA-1D-735-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672102
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-735-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T2R distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5587.2 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

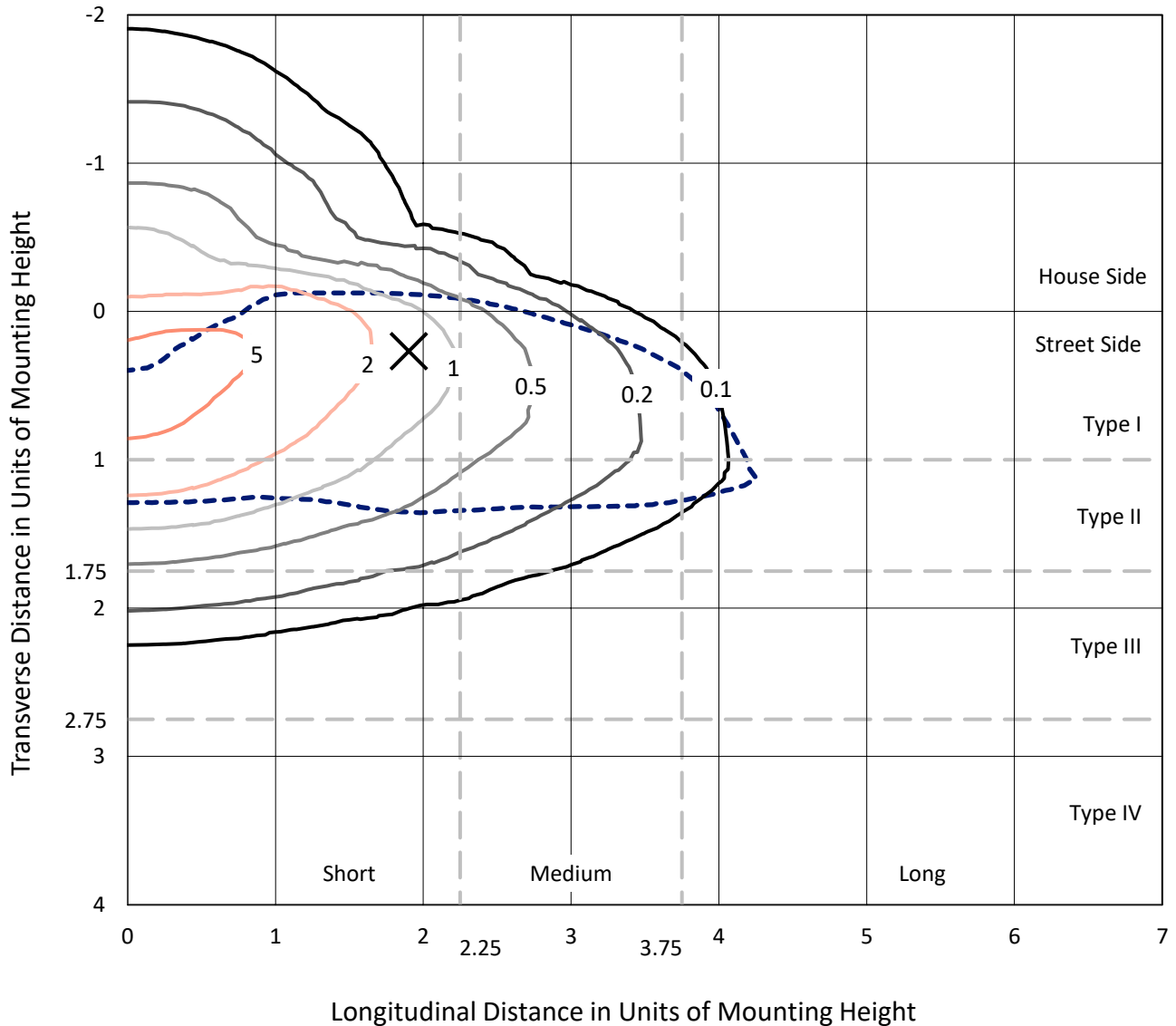
Input Watts (W): 44
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

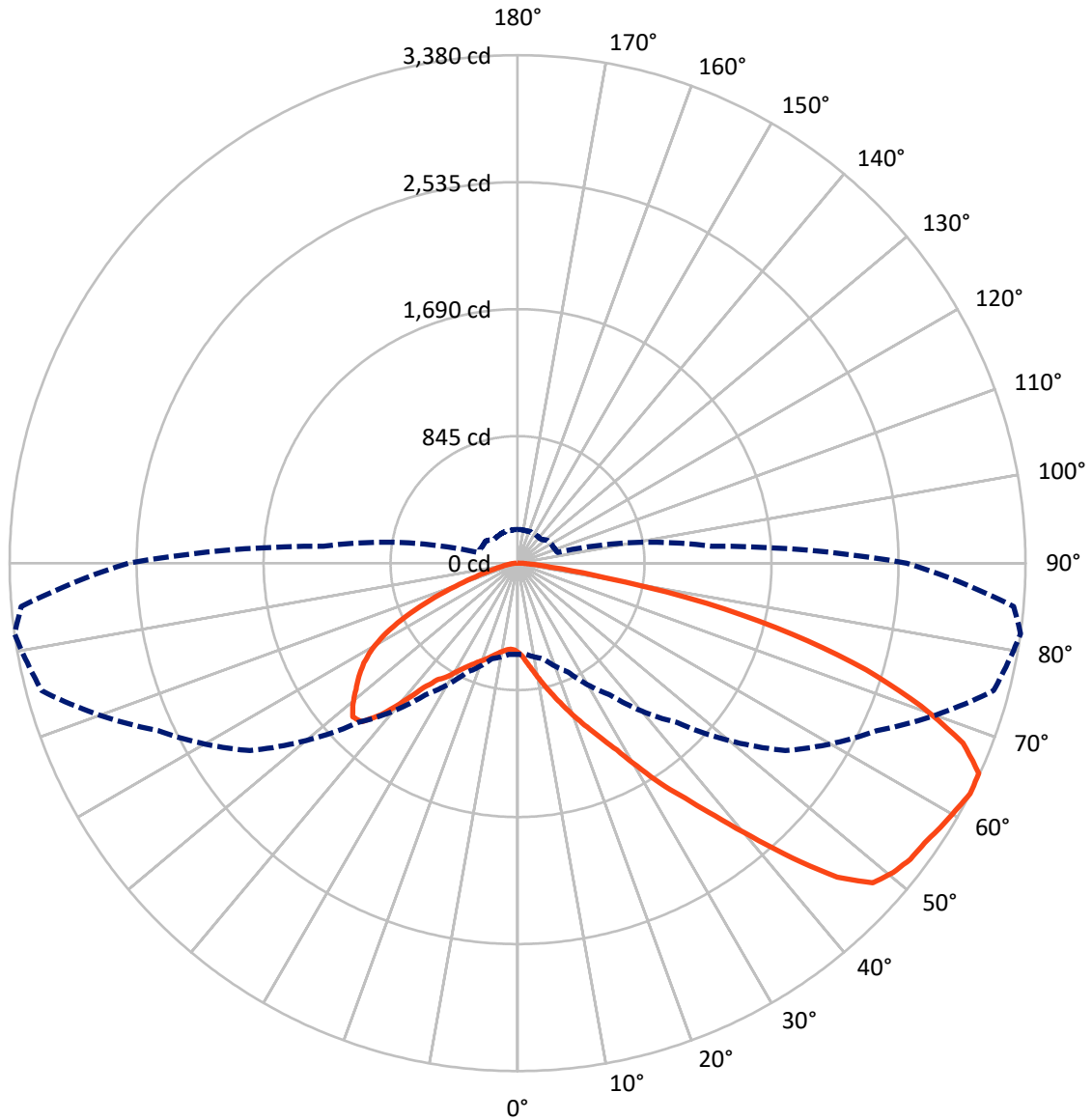
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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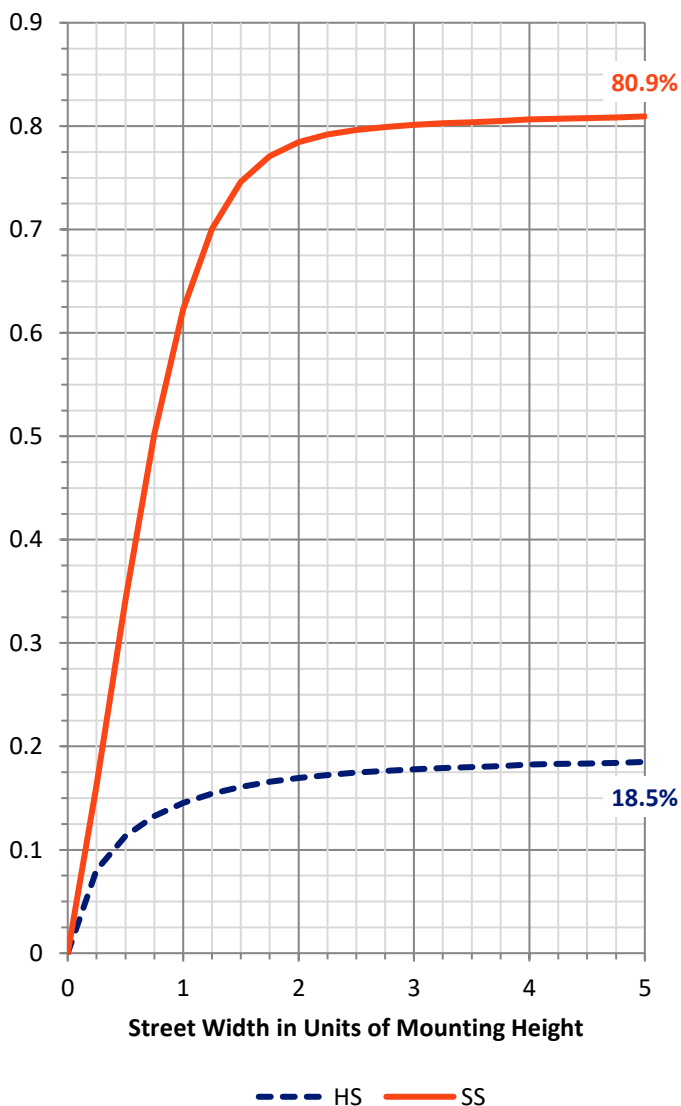
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1052.6	0.0	1052.6
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	4534.6	0.0	4534.6
	% Fixture	81.2	0.0	81.2
Total	Lumens	5587.2	0.0	5587.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.7	1.2
10°-20°	248.0	4.4
20°-30°	513.6	9.2
30°-40°	871.7	15.6
40°-50°	1187.0	21.2
50°-60°	1201.5	21.5
60°-70°	946.9	16.9
70°-80°	466.5	8.3
80°-90°	86.3	1.5
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°	5587.2	100.0
0°-180°	5587.2	100.0



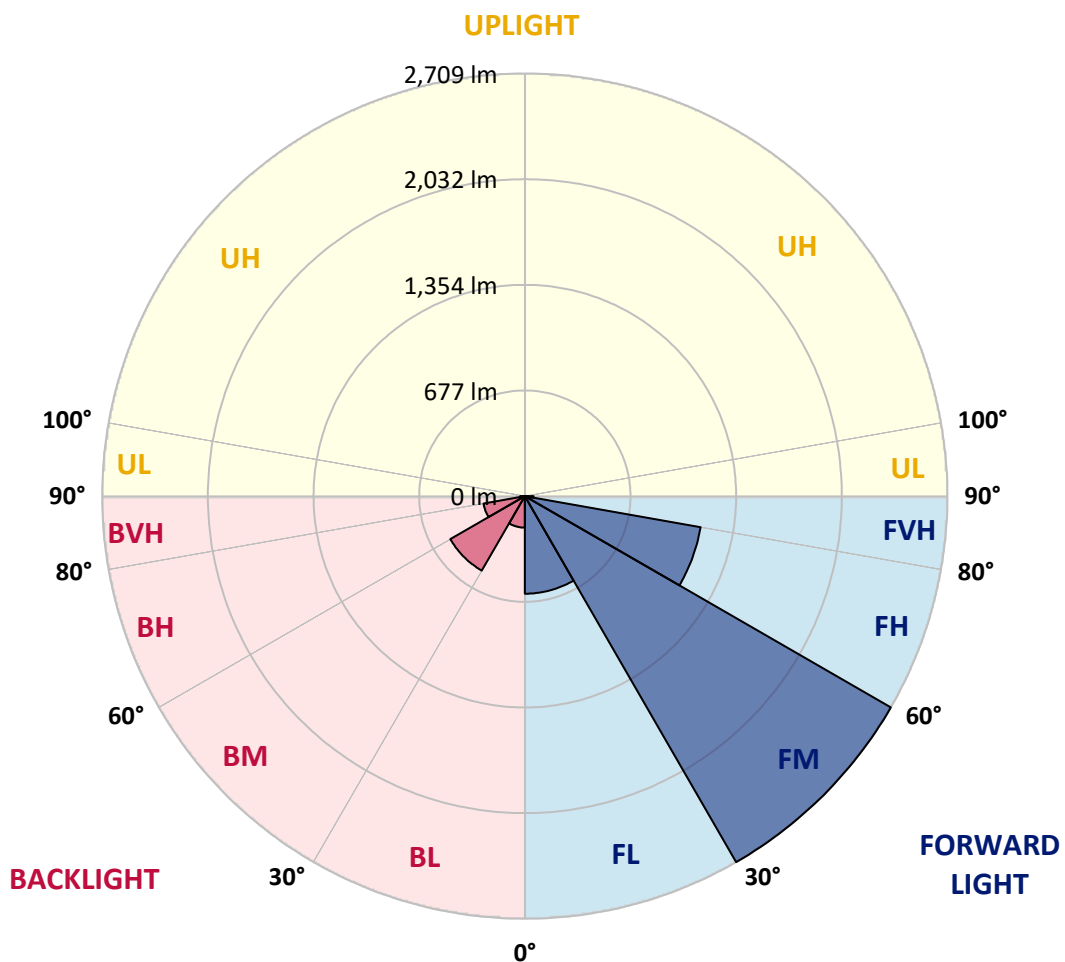
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	625.3	11.2			
FM (30°-60°)	2708.9	48.5			
FH (60°-80°)	1144.3	20.5			G1/1800
FVH (80°-90°)	56.1	1.0			G1/100
BL (0°-30°)	202.0	3.6	B1/500		
BM (30°-60°)	551.3	9.9	B1/1000		
BH (60°-80°)	269.1	4.8	B1/500		G1/500
BVH (80°-90°)	30.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	594.2	594.2	594.2	594.2	594.2	594.2	594.2	594.2	594.2	594.2	594.2
2.5°	791.3	779.2	772.8	765.5	745.4	732.5	708.4	680.2	647.7	619.9	614.7
5°	958.2	946.2	947.8	930.1	900.7	873.3	828.3	775.2	713.2	665.8	649.3
7.5°	1076.1	1062.8	1066.0	1058.8	1035.1	1004.9	947.8	879.4	788.9	718.5	691.9
10°	1154.9	1156.5	1159.0	1156.1	1140.9	1119.5	1062.8	987.2	874.5	780.8	744.6
12.5°	1244.2	1248.7	1247.9	1249.1	1241.0	1224.1	1168.6	1097.4	965.9	848.0	800.9
15°	1358.1	1353.7	1357.3	1362.5	1353.7	1335.2	1286.1	1201.6	1061.6	922.8	864.5
17.5°	1482.8	1473.5	1483.2	1478.0	1471.5	1459.5	1405.5	1315.4	1160.6	1003.7	935.3
20°	1590.6	1584.6	1589.8	1590.6	1591.8	1589.4	1533.9	1438.1	1264.3	1091.8	1011.7
22.5°	1711.7	1708.9	1708.1	1708.5	1709.7	1712.5	1674.7	1572.5	1379.4	1184.3	1094.2
25°	1881.0	1878.2	1859.7	1839.2	1827.1	1836.0	1816.3	1725.0	1506.5	1288.1	1184.7
27.5°	2070.9	2066.5	2041.9	1990.1	1951.4	1957.9	1955.9	1893.1	1652.9	1407.2	1293.3
30°	2268.0	2257.2	2223.4	2150.6	2089.8	2078.6	2084.2	2063.3	1837.2	1565.3	1444.6
32.5°	2443.8	2423.7	2379.1	2305.4	2233.0	2200.4	2201.2	2210.5	2037.5	1749.5	1603.1
35°	2551.2	2538.0	2504.6	2430.1	2349.3	2327.6	2321.5	2367.8	2221.4	1920.1	1745.1
37.5°	2609.2	2596.3	2560.5	2500.5	2439.4	2430.5	2441.8	2513.4	2430.1	2132.9	1938.2
40°	2598.7	2585.0	2561.7	2519.8	2479.6	2486.5	2536.3	2647.0	2658.2	2387.5	2213.3
42.5°	2512.6	2498.1	2496.1	2493.3	2474.4	2504.6	2594.7	2744.7	2867.8	2681.6	2546.4
45°	2360.5	2351.7	2362.2	2410.4	2434.2	2492.5	2622.0	2792.2	3052.1	2980.5	2861.4
47.5°	2167.9	2162.6	2186.4	2262.8	2339.6	2455.5	2640.1	2805.1	3178.8	3178.8	3067.7
50°	1952.2	1950.2	1981.6	2092.6	2212.9	2387.5	2638.1	2817.1	3234.3	3237.1	3140.6
52.5°	1651.3	1661.8	1745.5	1891.9	2055.2	2280.9	2610.0	2850.9	3265.7	3272.1	3189.2
55°	1304.6	1314.6	1440.9	1638.1	1847.2	2151.4	2525.9	2840.9	3271.7	3286.2	3217.0
57.5°	1041.5	1043.5	1122.3	1356.5	1615.5	1985.6	2428.9	2774.1	3254.0	3317.2	3259.6
60°	815.0	821.4	874.1	1059.6	1346.8	1772.0	2320.7	2708.1	3264.1	3346.5	3298.3
62.5°	607.0	608.6	657.7	801.3	1070.1	1499.7	2173.9	2637.7	3278.1	3379.5	3313.9
65°	395.4	395.0	442.5	572.0	799.3	1205.6	1943.4	2527.5	3279.3	3372.3	3241.9
67.5°	251.4	253.0	273.5	355.2	535.0	909.9	1629.6	2322.7	3222.2	3196.9	2979.6
70°	204.0	204.4	210.8	232.1	325.8	621.9	1224.9	2002.5	3041.6	2847.3	2589.8
72.5°	181.8	182.2	185.4	187.9	217.2	373.7	803.7	1626.0	2720.6	2426.9	2148.5
75°	163.3	163.3	165.3	162.9	178.2	234.5	456.2	1222.5	2240.7	1889.9	1623.2
77.5°	143.2	142.8	142.8	141.6	154.1	171.4	228.5	853.2	1613.9	1288.9	1052.8
80°	121.5	120.7	121.9	121.1	133.2	129.9	133.2	526.6	874.9	590.9	448.1
82.5°	94.5	94.5	98.2	99.0	109.8	94.1	93.7	249.8	332.3	220.8	165.3
85°	49.5	55.5	74.8	78.0	82.9	59.1	68.8	116.7	133.2	84.5	60.3
87.5°	14.9	15.7	45.9	51.5	51.1	29.8	42.2	56.3	62.4	37.4	24.5
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°	594.2	594.2	594.2	594.2	594.2	594.2	594.2	594.2	594.2	594.2	594.2
2.5°	601.4	587.3	557.6	531.0	510.9	491.6	478.3	471.5	462.6	463.8	461.0
5°	619.9	590.9	538.2	495.6	467.0	445.3	432.0	425.2	418.8	415.5	418.0
7.5°	647.7	602.6	529.0	477.5	447.7	429.2	422.0	420.0	418.4	417.2	419.2
10°	683.5	623.1	527.4	471.1	443.7	432.4	429.6	428.4	426.8	425.2	426.4
12.5°	720.1	645.7	533.0	472.7	450.1	441.7	438.1	436.5	432.4	430.4	430.8
15°	765.9	673.0	540.7	479.1	458.6	447.7	442.9	438.5	432.0	429.2	430.4
17.5°	815.0	705.6	551.1	485.1	461.8	448.5	438.9	432.4	426.0	422.0	422.4
20°	870.5	737.8	560.4	487.2	460.2	441.7	430.0	422.4	413.9	409.5	408.3
22.5°	928.0	771.6	567.6	485.5	451.4	430.0	416.8	407.5	397.4	390.6	391.0
25°	998.0	817.4	573.6	479.9	439.7	414.7	399.9	388.2	377.7	371.3	371.7
27.5°	1082.1	869.3	580.9	471.1	425.6	398.3	381.0	369.3	359.2	353.2	352.4
30°	1194.4	936.9	588.9	460.2	407.9	380.1	363.3	351.2	341.5	335.9	335.9
32.5°	1320.7	1019.4	594.6	447.3	388.2	360.8	345.6	335.9	328.7	321.0	320.2
35°	1430.5	1083.3	611.9	437.3	370.9	342.7	332.3	325.4	314.6	307.3	306.1
37.5°	1591.8	1196.0	662.9	434.5	350.0	328.7	326.6	313.8	301.3	287.6	286.4
40°	1851.7	1391.1	722.5	420.8	328.3	321.0	319.0	301.7	272.3	263.9	262.3
42.5°	2182.3	1626.0	728.9	381.0	313.0	314.6	308.5	274.8	261.9	255.4	253.8
45°	2480.8	1816.7	692.3	340.3	301.7	304.9	292.5	264.7	257.5	251.4	249.8
47.5°	2648.6	1875.4	623.1	309.8	293.3	296.5	266.7	259.9	252.6	246.6	245.0
50°	2695.6	1824.3	542.7	292.1	286.8	288.0	259.9	255.8	249.4	244.6	242.2
52.5°	2704.9	1747.9	468.2	281.6	282.0	271.1	253.8	250.6	246.6	239.0	236.1
55°	2708.9	1679.1	401.5	275.2	278.8	249.4	247.4	245.0	241.8	233.7	232.1
57.5°	2719.4	1591.0	349.2	270.3	274.8	239.4	240.2	238.5	234.5	230.9	230.1
60°	2689.6	1469.1	308.9	265.5	269.1	230.9	231.7	232.5	228.9	228.1	227.7
62.5°	2589.8	1296.1	274.8	259.1	257.5	222.5	222.5	225.7	222.5	223.7	223.7
65°	2384.3	1075.7	244.2	247.0	239.4	213.2	212.8	218.4	213.6	218.8	219.2
67.5°	2033.9	814.2	212.8	228.1	220.4	203.6	205.2	209.6	203.1	214.0	214.0
70°	1609.9	553.9	180.2	201.5	201.1	192.7	197.9	197.5	190.3	206.4	203.6
72.5°	1199.2	355.6	146.8	169.0	175.8	181.0	190.7	182.2	175.4	184.6	176.2
75°	837.9	222.9	115.9	133.6	146.4	168.2	181.8	164.9	154.9	152.1	149.6
77.5°	501.6	142.4	91.3	101.8	114.2	152.9	170.6	146.8	131.5	129.9	125.1
80°	231.3	92.9	69.6	76.0	81.3	131.1	155.3	125.5	107.0	105.4	99.8
82.5°	104.6	61.1	51.9	54.3	54.7	104.2	131.1	99.4	81.7	132.3	114.6
85°	48.7	39.4	33.8	32.2	32.6	69.6	95.3	68.4	92.9	72.4	55.1
87.5°	20.9	20.1	17.3	13.7	12.5	14.9	36.6	28.6	40.6	16.1	10.9
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)