

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: P672172

Luminaire Tested: **CCP-SA-2B-835-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672172
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-835-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T2R distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

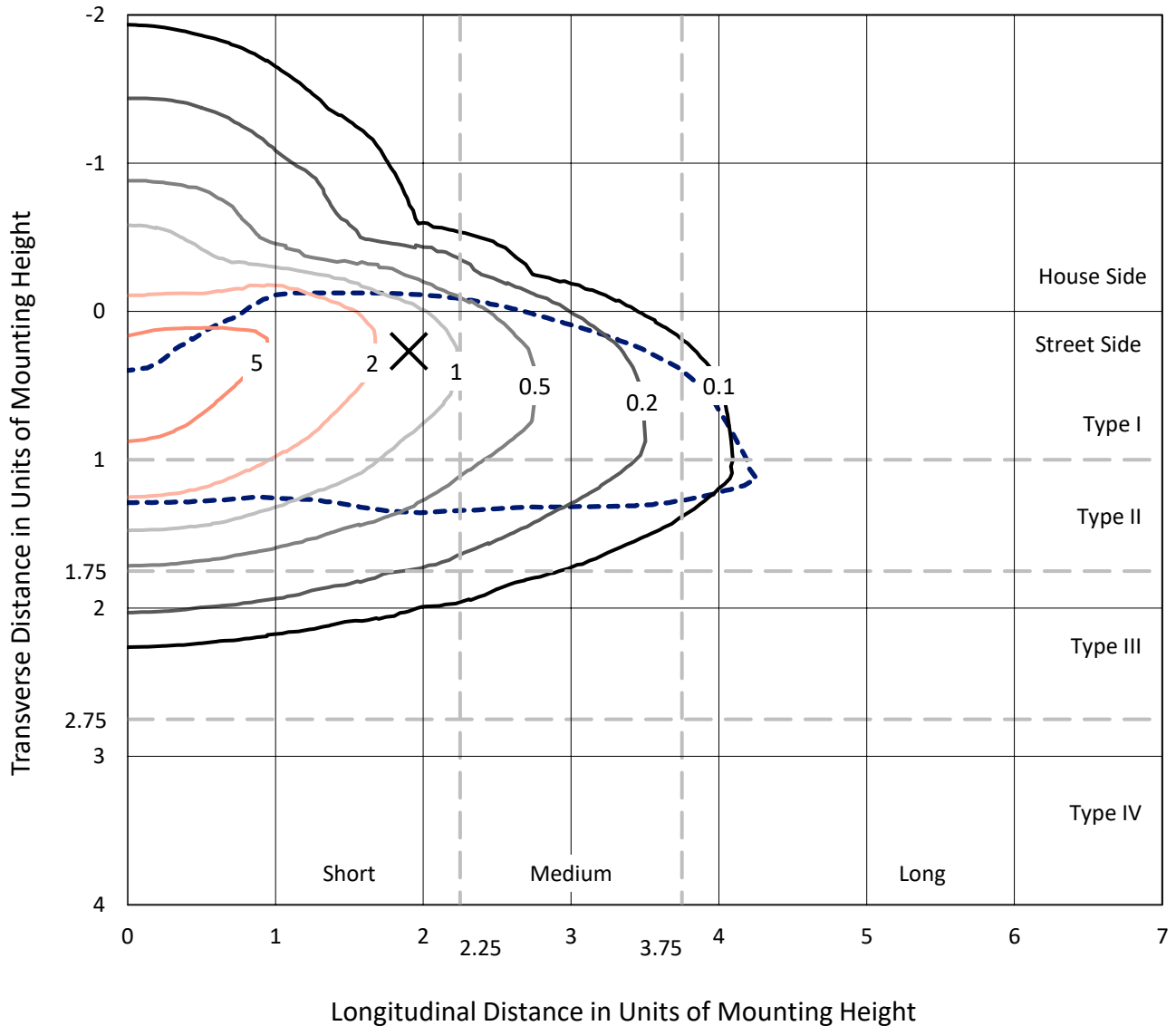
Lumens per Lamp: N/A
Luminaire Lumens: 5780.4 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 46
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

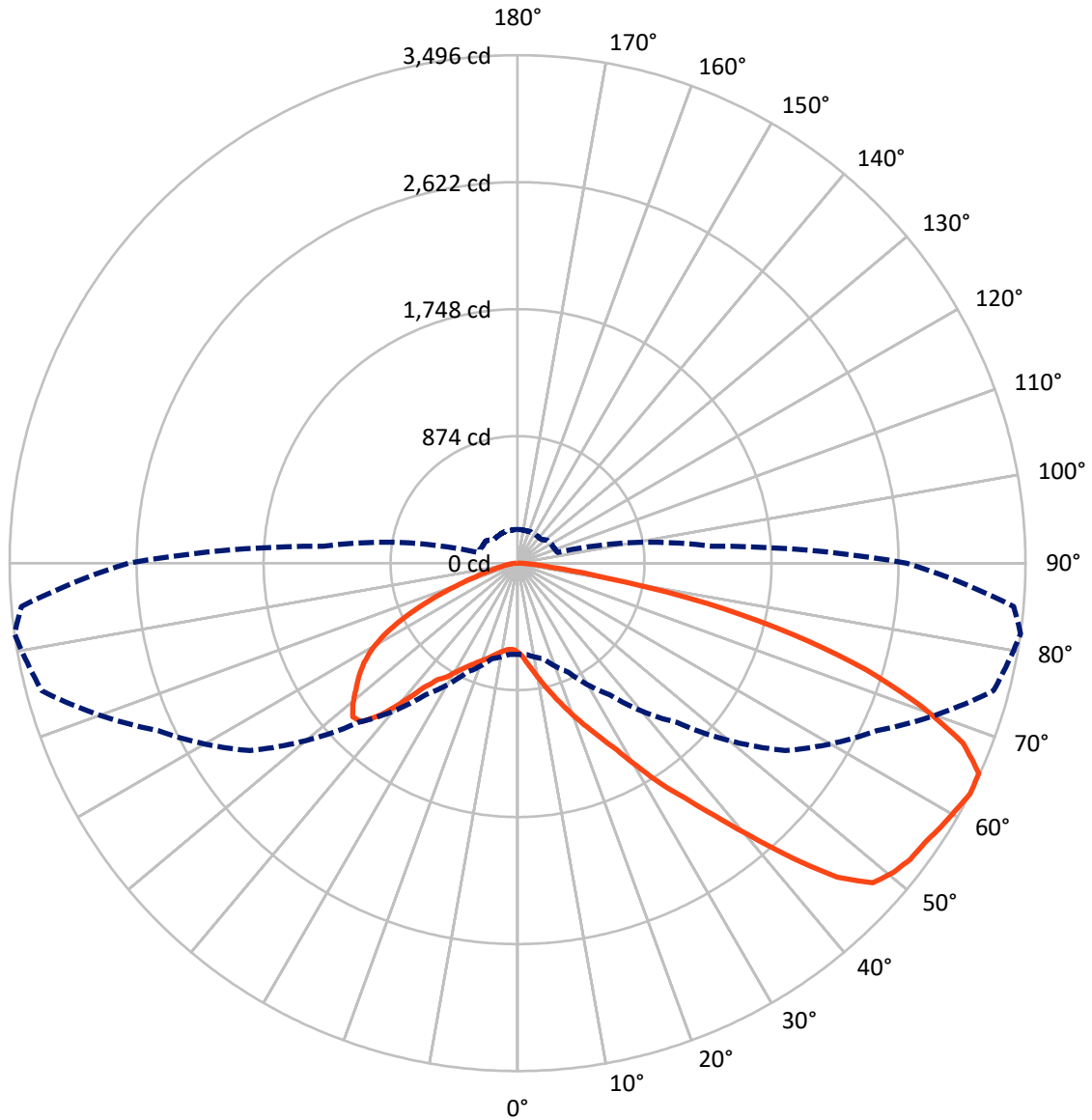
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.8 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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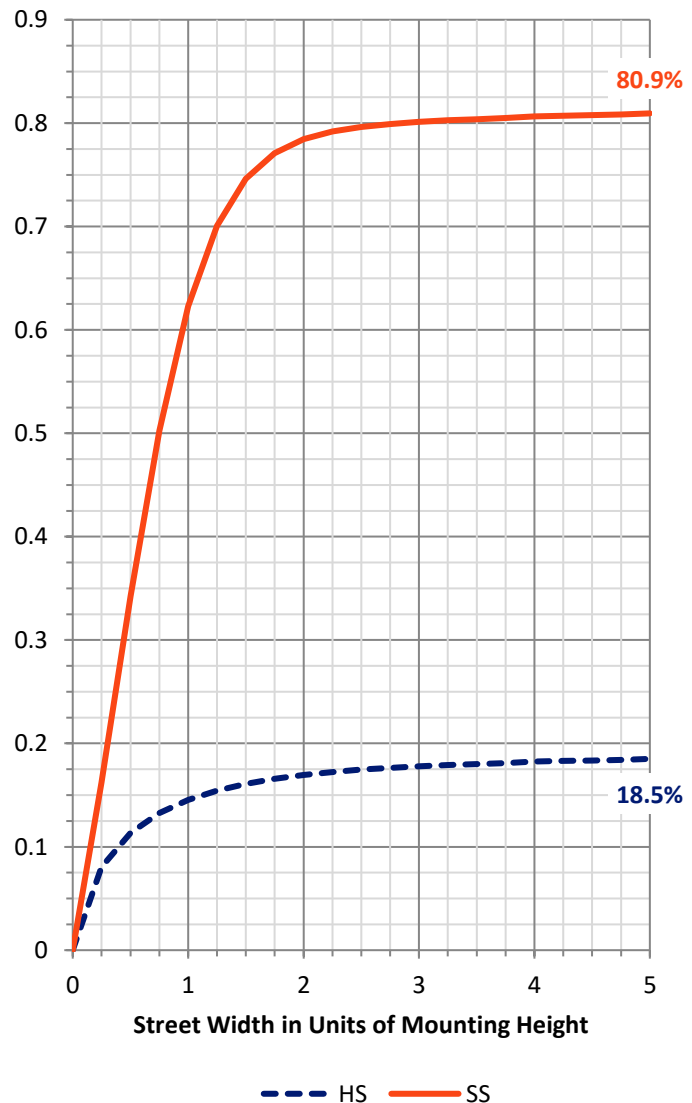
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1089.0	0.0	1089.0
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	4691.4	0.0	4691.4
	% Fixture	81.2	0.0	81.2
Total	Lumens	5780.4	0.0	5780.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.0	1.2
10°-20°	256.6	4.4
20°-30°	531.3	9.2
30°-40°	901.8	15.6
40°-50°	1228.1	21.2
50°-60°	1243.1	21.5
60°-70°	979.7	16.9
70°-80°	482.6	8.3
80°-90°	89.3	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°	5780.4	100.0
0°-180°	5780.4	100.0



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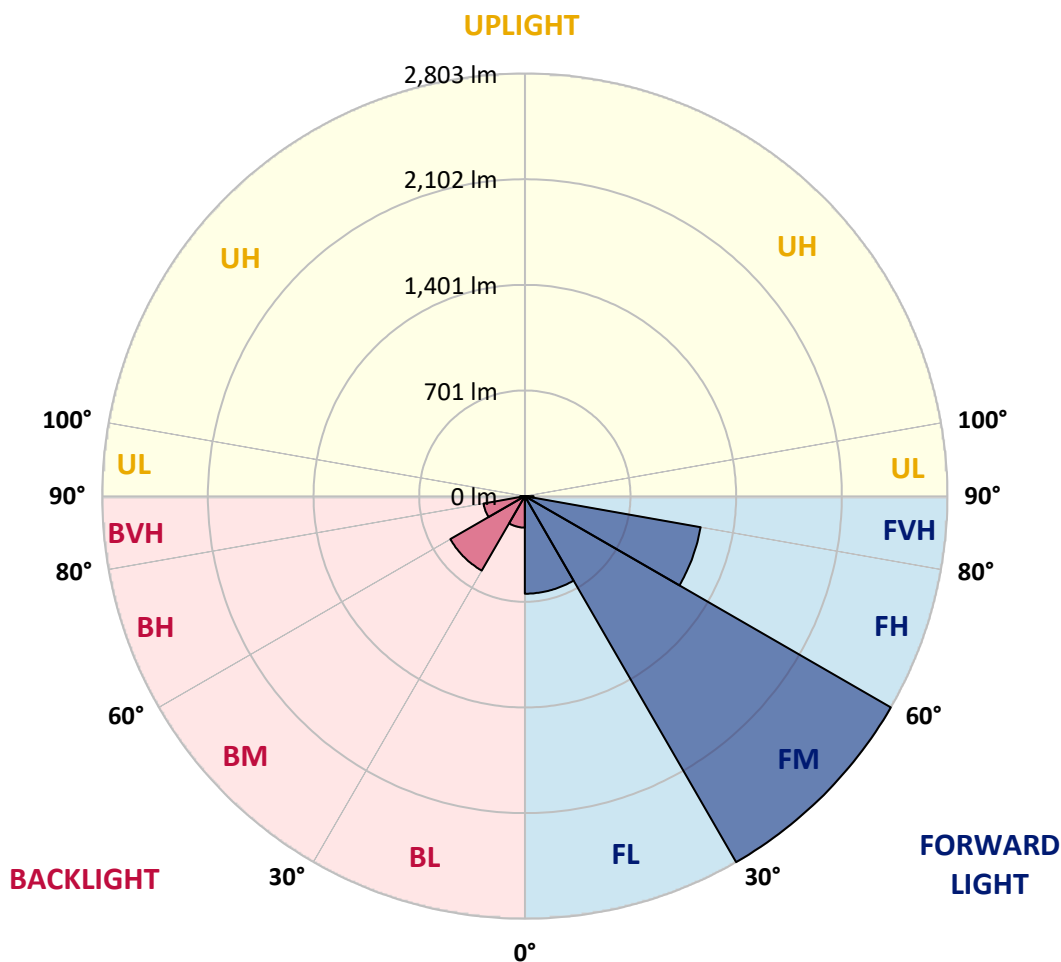
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	647.0	11.2			
FM (30°-60°)	2802.5	48.5			
FH (60°-80°)	1183.9	20.5			G1/1800
FVH (80°-90°)	58.0	1.0			G1/100
BL (0°-30°)	209.0	3.6	B1/500		
BM (30°-60°)	570.4	9.9	B1/1000		
BH (60°-80°)	278.4	4.8	B1/500		G1/500
BVH (80°-90°)	31.3	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°	614.7	614.7	614.7	614.7	614.7	614.7	614.7	614.7	614.7	614.7	614.7
2.5°	818.6	806.2	799.5	792.0	771.2	757.9	732.9	703.8	670.1	641.3	635.9
5°	991.4	978.9	980.5	962.2	931.8	903.5	856.9	802.0	737.9	688.8	671.7
7.5°	1113.3	1099.6	1102.9	1095.4	1070.8	1039.6	980.5	909.8	816.1	743.3	715.8
10°	1194.9	1196.5	1199.0	1196.1	1180.3	1158.2	1099.6	1021.3	904.8	807.8	770.4
12.5°	1287.3	1291.8	1291.0	1292.3	1283.9	1266.5	1209.0	1135.4	999.3	877.3	828.6
15°	1405.0	1400.5	1404.2	1409.6	1400.5	1381.3	1330.5	1243.1	1098.3	954.7	894.4
17.5°	1534.1	1524.5	1534.5	1529.1	1522.4	1509.9	1454.2	1360.9	1200.7	1038.4	967.6
20°	1645.6	1639.4	1644.8	1645.6	1646.9	1644.4	1586.9	1487.9	1308.1	1129.5	1046.7
22.5°	1770.9	1768.0	1767.1	1767.5	1768.8	1771.7	1732.6	1626.9	1427.1	1225.3	1132.0
25°	1946.1	1943.2	1924.0	1902.8	1890.3	1899.5	1879.1	1784.6	1558.6	1332.6	1225.7
27.5°	2142.5	2138.0	2112.6	2058.9	2018.9	2025.6	2023.5	1958.6	1710.1	1455.8	1338.0
30°	2346.5	2335.2	2300.3	2224.9	2162.1	2150.4	2156.3	2134.6	1900.7	1619.4	1494.5
32.5°	2528.3	2507.5	2461.3	2385.2	2310.3	2276.5	2277.4	2286.9	2108.0	1810.0	1658.5
35°	2639.5	2625.7	2591.2	2514.2	2430.5	2408.1	2401.8	2449.7	2298.2	1986.5	1805.4
37.5°	2699.4	2686.1	2649.0	2587.0	2523.8	2514.6	2526.3	2600.3	2514.2	2206.6	2005.2
40°	2688.6	2674.4	2650.3	2607.0	2565.4	2572.4	2624.1	2738.5	2750.2	2470.1	2289.9
42.5°	2599.5	2584.5	2582.4	2579.5	2560.0	2591.2	2684.4	2839.6	2967.0	2774.3	2634.5
45°	2442.2	2433.0	2443.8	2493.8	2518.3	2578.7	2712.7	2888.8	3157.6	3083.5	2960.3
47.5°	2242.8	2237.4	2262.0	2341.0	2420.5	2540.4	2731.4	2902.1	3288.7	3288.7	3173.8
50°	2019.8	2017.7	2050.1	2165.0	2289.4	2470.1	2729.4	2914.6	3346.1	3349.1	3249.2
52.5°	1708.4	1719.3	1805.8	1957.3	2126.3	2359.8	2700.2	2949.5	3378.6	3385.3	3299.5
55°	1349.7	1360.1	1490.8	1694.7	1911.1	2225.8	2613.2	2939.1	3384.8	3399.8	3328.2
57.5°	1077.5	1079.6	1161.2	1403.4	1671.4	2054.3	2512.9	2870.0	3366.5	3431.9	3372.4
60°	843.2	849.9	904.4	1096.2	1393.4	1833.3	2401.0	2801.8	3376.9	3462.3	3412.3
62.5°	628.0	629.7	680.5	829.0	1107.1	1551.5	2249.1	2728.9	3391.5	3496.4	3428.5
65°	409.1	408.7	457.8	591.8	827.0	1247.3	2010.6	2614.9	3392.8	3488.9	3354.0
67.5°	260.1	261.8	283.0	367.5	553.5	941.4	1686.0	2403.1	3333.7	3307.4	3082.7
70°	211.0	211.4	218.1	240.1	337.1	643.4	1267.3	2071.8	3146.8	2945.8	2679.4
72.5°	188.1	188.5	191.9	194.4	224.7	386.6	831.5	1682.2	2814.7	2510.9	2222.9
75°	169.0	169.0	171.1	168.6	184.4	242.6	472.0	1264.8	2318.2	1955.2	1679.3
77.5°	148.2	147.7	147.7	146.5	159.4	177.3	236.4	882.7	1669.7	1333.5	1089.2
80°	125.7	124.9	126.1	125.3	137.8	134.4	137.8	544.8	905.2	611.4	463.6
82.5°	97.8	97.8	101.5	102.4	113.6	97.4	97.0	258.5	343.8	228.5	171.1
85°	51.2	57.4	77.4	80.7	85.7	61.2	71.2	120.7	137.8	87.4	62.4
87.5°	15.4	16.2	47.4	53.3	52.9	30.8	43.7	58.3	64.5	38.7	25.4
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°	614.7	614.7	614.7	614.7	614.7	614.7	614.7	614.7	614.7	614.7	614.7
2.5°	622.2	607.6	576.8	549.4	528.6	508.6	494.8	487.8	478.6	479.9	476.9
5°	641.3	611.4	556.9	512.7	483.2	460.7	447.0	439.9	433.3	429.9	432.4
7.5°	670.1	623.4	547.3	494.0	463.2	444.1	436.6	434.5	432.8	431.6	433.7
10°	707.1	644.7	545.6	487.4	459.1	447.4	444.5	443.2	441.6	439.9	441.2
12.5°	745.0	668.0	551.4	489.0	465.7	457.0	453.2	451.6	447.4	445.3	445.7
15°	792.4	696.3	559.4	495.7	474.5	463.2	458.2	453.6	447.0	444.1	445.3
17.5°	843.2	730.0	570.2	501.9	477.8	464.0	454.1	447.4	440.7	436.6	437.0
20°	900.6	763.3	579.7	504.0	476.1	457.0	444.9	437.0	428.3	423.7	422.4
22.5°	960.1	798.2	587.2	502.3	467.0	444.9	431.2	421.6	411.2	404.1	404.5
25°	1032.6	845.7	593.5	496.5	454.9	429.1	413.7	401.6	390.8	384.1	384.6
27.5°	1119.5	899.4	601.0	487.4	440.3	412.0	394.1	382.1	371.7	365.4	364.6
30°	1235.7	969.3	609.3	476.1	422.0	393.3	375.8	363.3	353.3	347.5	347.5
32.5°	1366.3	1054.6	615.1	462.8	401.6	373.3	357.5	347.5	340.0	332.1	331.3
35°	1480.0	1120.8	633.0	452.4	383.7	354.6	343.8	336.7	325.5	318.0	316.7
37.5°	1646.9	1237.3	685.9	449.5	362.1	340.0	337.9	324.6	311.7	297.6	296.3
40°	1915.7	1439.2	747.5	435.3	339.6	332.1	330.0	312.1	281.8	273.0	271.4
42.5°	2257.8	1682.2	754.1	394.1	323.8	325.5	319.2	284.3	270.9	264.3	262.6
45°	2566.6	1879.5	716.3	352.1	312.1	315.5	302.6	273.9	266.4	260.1	258.5
47.5°	2740.2	1940.3	644.7	320.5	303.4	306.7	275.9	268.9	261.4	255.1	253.5
50°	2788.9	1887.4	561.4	302.2	296.7	298.0	268.9	264.7	258.0	253.0	250.5
52.5°	2798.4	1808.3	484.4	291.3	291.7	280.5	262.6	259.3	255.1	247.2	244.3
55°	2802.6	1737.2	415.4	284.7	288.4	258.0	256.0	253.5	250.1	241.8	240.1
57.5°	2813.4	1646.0	361.3	279.7	284.3	247.6	248.5	246.8	242.6	238.9	238.1
60°	2782.6	1519.9	319.6	274.7	278.4	238.9	239.7	240.6	236.8	236.0	235.6
62.5°	2679.4	1341.0	284.3	268.0	266.4	230.2	230.2	233.5	230.2	231.4	231.4
65°	2466.7	1112.9	252.6	255.5	247.6	220.6	220.2	226.0	221.0	226.4	226.8
67.5°	2104.2	842.4	220.2	236.0	228.1	210.6	212.3	216.8	210.2	221.4	221.4
70°	1665.6	573.1	186.5	208.5	208.1	199.4	204.8	204.3	196.9	213.5	210.6
72.5°	1240.7	367.9	151.9	174.8	181.9	187.3	197.3	188.5	181.5	191.0	182.3
75°	866.9	230.6	119.9	138.2	151.5	174.0	188.1	170.6	160.2	157.3	154.8
77.5°	519.0	147.3	94.5	105.3	118.2	158.2	176.5	151.9	136.1	134.4	129.4
80°	239.3	96.1	72.0	78.7	84.1	135.7	160.6	129.9	110.7	109.0	103.2
82.5°	108.2	63.3	53.7	56.2	56.6	107.8	135.7	102.8	84.5	136.9	118.6
85°	50.4	40.8	35.0	33.3	33.7	72.0	98.6	70.8	96.1	74.9	57.0
87.5°	21.6	20.8	17.9	14.2	12.9	15.4	37.9	29.5	42.0	16.6	11.2
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)