

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: P672150

Luminaire Tested: **CCP-SA-2B-827-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672150
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-827-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T2R distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5156.8 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

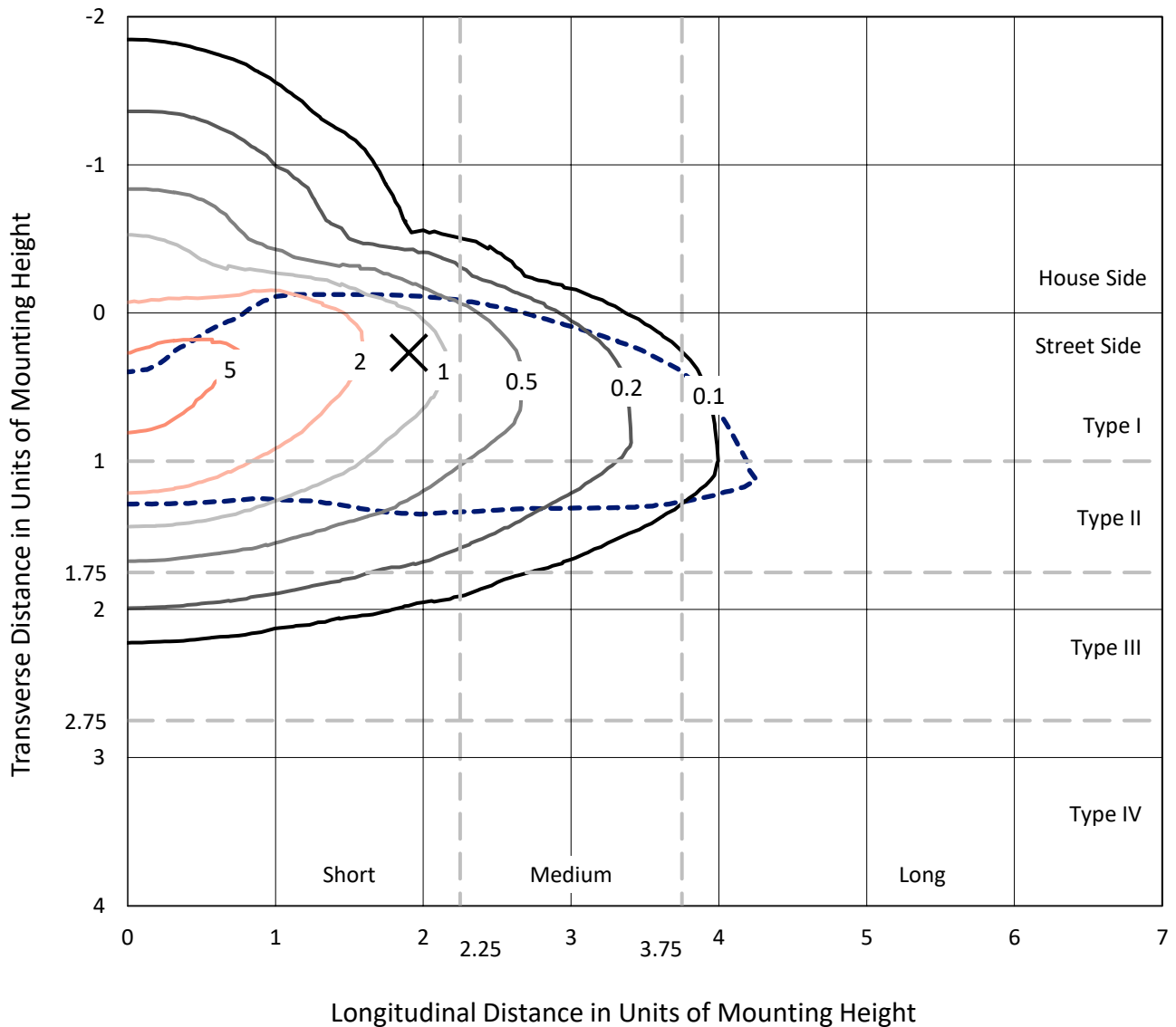
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

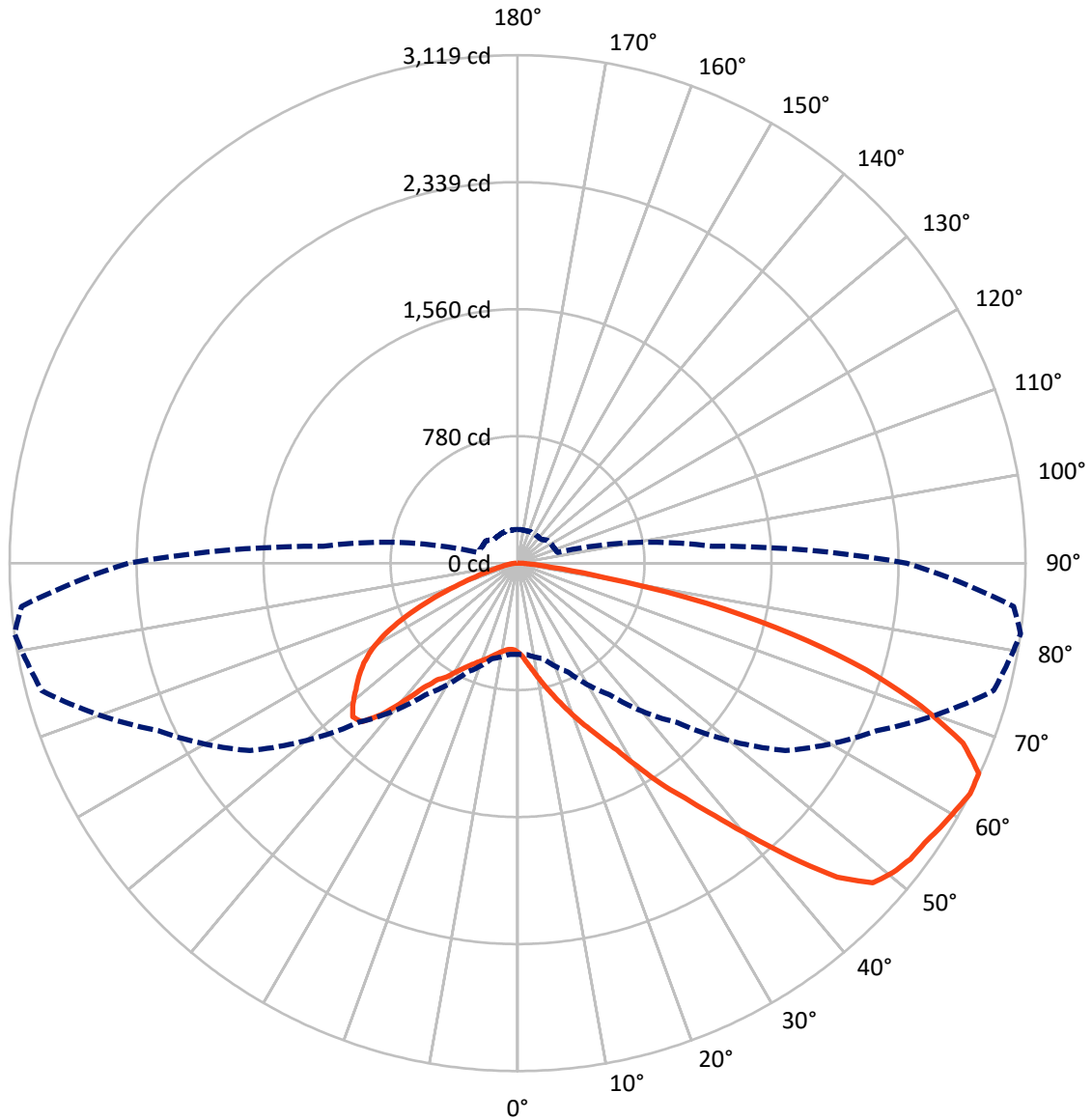
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6 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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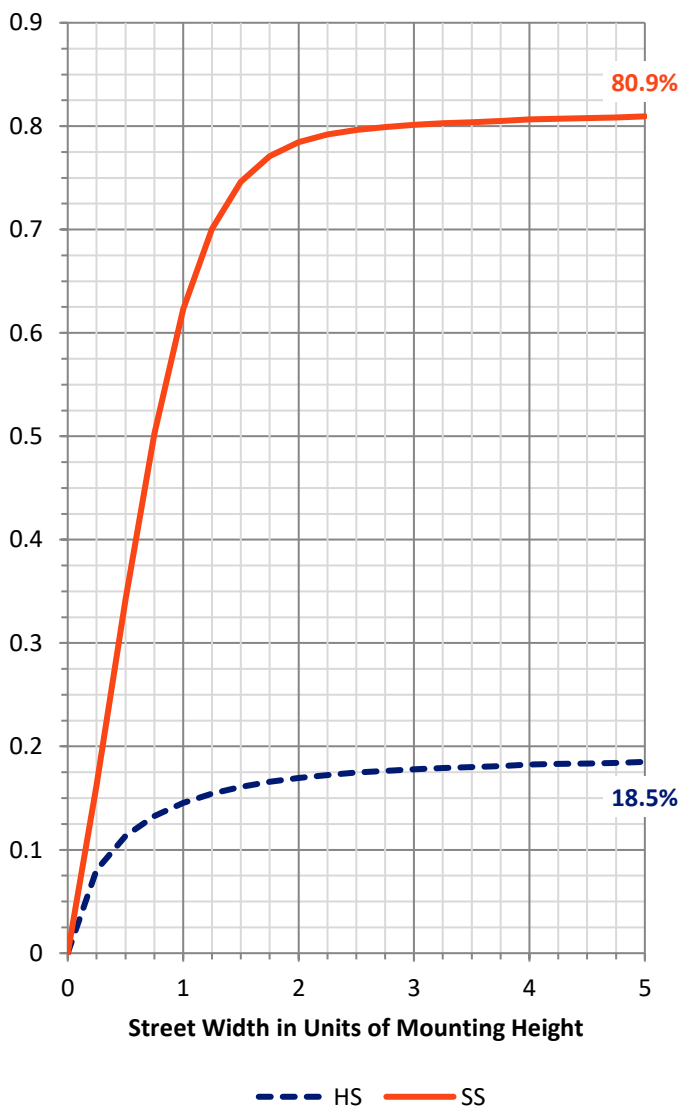
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	971.5	0.0	971.5
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	4185.3	0.0	4185.3
	% Fixture	81.2	0.0	81.2
Total	Lumens	5156.8	0.0	5156.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.7	1.2
10°-20°	228.9	4.4
20°-30°	474.0	9.2
30°-40°	804.5	15.6
40°-50°	1095.6	21.2
50°-60°	1109.0	21.5
60°-70°	874.0	16.9
70°-80°	430.5	8.3
80°-90°	79.6	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°	5156.8	100.0
0°-180°	5156.8	100.0



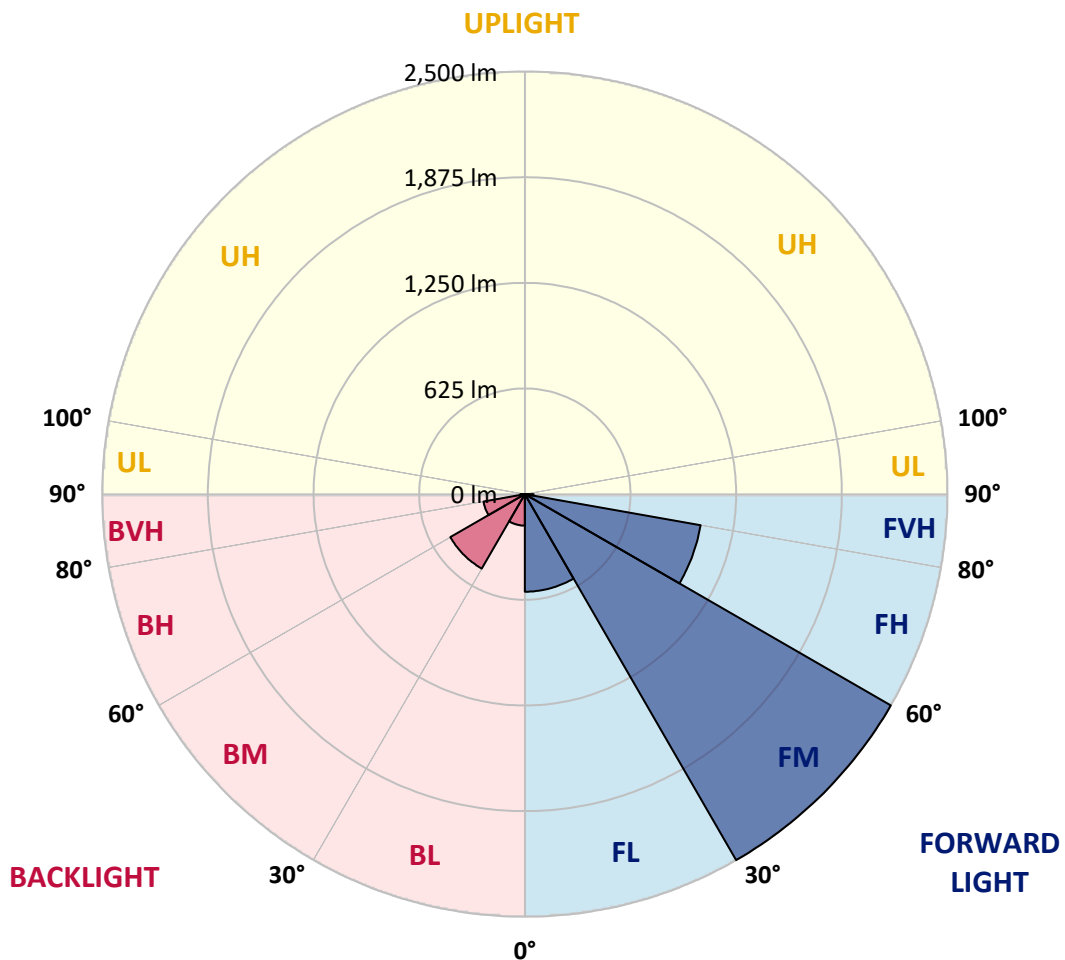
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	577.2	11.2			
FM (30°-60°)	2500.2	48.5			
FH (60°-80°)	1056.2	20.5			G1/1800
FVH (80°-90°)	51.7	1.0			G1/100
BL (0°-30°)	186.4	3.6	B1/500		
BM (30°-60°)	508.9	9.9	B1/1000		
BH (60°-80°)	248.3	4.8	B1/500		G1/500
BVH (80°-90°)	27.9	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°	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4
2.5°	730.3	719.2	713.2	706.6	688.0	676.1	653.8	627.8	597.8	572.2	567.3
5°	884.4	873.3	874.7	858.4	831.3	806.1	764.5	715.5	658.3	614.5	599.3
7.5°	993.2	980.9	983.9	977.2	955.3	927.5	874.7	811.6	728.1	663.1	638.6
10°	1066.0	1067.4	1069.7	1067.1	1053.0	1033.3	980.9	911.1	807.2	720.7	687.2
12.5°	1148.4	1152.5	1151.7	1152.8	1145.4	1129.8	1078.6	1012.9	891.5	782.7	739.2
15°	1253.5	1249.4	1252.7	1257.5	1249.4	1232.3	1187.0	1109.0	979.8	851.7	797.9
17.5°	1368.6	1360.0	1368.9	1364.1	1358.2	1347.0	1297.3	1214.1	1071.2	926.4	863.2
20°	1468.1	1462.5	1467.3	1468.1	1469.2	1466.9	1415.7	1327.3	1166.9	1007.7	933.8
22.5°	1579.8	1577.2	1576.5	1576.8	1578.0	1580.6	1545.7	1451.4	1273.1	1093.1	1009.9
25°	1736.1	1733.5	1716.5	1697.5	1686.4	1694.5	1676.4	1592.1	1390.5	1188.9	1093.4
27.5°	1911.4	1907.3	1884.6	1836.7	1801.1	1807.0	1805.2	1747.3	1525.6	1298.8	1193.7
30°	2093.3	2083.3	2052.1	1984.9	1928.8	1918.4	1923.6	1904.3	1695.7	1444.7	1333.3
32.5°	2255.6	2237.0	2195.8	2127.8	2061.0	2030.9	2031.7	2040.2	1880.6	1614.7	1479.6
35°	2354.7	2342.4	2311.6	2242.9	2168.3	2148.3	2142.7	2185.4	2050.2	1772.1	1610.6
37.5°	2408.2	2396.3	2363.2	2307.9	2251.5	2243.3	2253.7	2319.8	2242.9	1968.6	1788.9
40°	2398.5	2385.9	2364.3	2325.7	2288.6	2294.9	2341.0	2443.1	2453.5	2203.6	2042.8
42.5°	2319.0	2305.7	2303.8	2301.2	2283.8	2311.6	2394.8	2533.3	2646.9	2475.0	2350.2
45°	2178.7	2170.5	2180.2	2224.7	2246.6	2300.5	2420.0	2577.1	2816.9	2750.9	2641.0
47.5°	2000.9	1996.0	2017.9	2088.5	2159.4	2266.3	2436.7	2589.0	2933.9	2933.9	2831.4
50°	1801.8	1800.0	1828.9	1931.4	2042.4	2203.6	2434.9	2600.1	2985.1	2987.7	2898.6
52.5°	1524.1	1533.8	1611.0	1746.2	1896.9	2105.2	2408.9	2631.3	3014.1	3020.0	2943.5
55°	1204.1	1213.4	1329.9	1511.9	1704.9	1985.6	2331.3	2622.0	3019.7	3033.0	2969.2
57.5°	961.3	963.1	1035.9	1252.0	1491.1	1832.7	2241.8	2560.4	3003.3	3061.6	3008.5
60°	752.2	758.2	806.8	978.0	1243.1	1635.5	2141.9	2499.5	3012.6	3088.7	3044.2
62.5°	560.3	561.8	607.1	739.6	987.6	1384.2	2006.4	2434.5	3025.6	3119.2	3058.6
65°	365.0	364.6	408.4	528.0	737.7	1112.7	1793.7	2332.8	3026.7	3112.5	2992.2
67.5°	232.1	233.5	252.5	327.8	493.8	839.8	1504.1	2143.8	2974.0	2950.6	2750.1
70°	188.2	188.6	194.6	214.2	300.7	574.0	1130.6	1848.3	2807.3	2628.0	2390.3
72.5°	167.8	168.2	171.2	173.4	200.5	344.9	741.8	1500.7	2511.0	2240.0	1983.0
75°	150.7	150.7	152.6	150.4	164.5	216.5	421.0	1128.3	2068.1	1744.3	1498.1
77.5°	132.2	131.8	131.8	130.7	142.2	158.2	210.9	787.5	1489.6	1189.6	971.7
80°	112.1	111.4	112.5	111.8	122.9	119.9	122.9	486.0	807.5	545.4	413.6
82.5°	87.3	87.3	90.6	91.3	101.4	86.9	86.5	230.6	306.7	203.8	152.6
85°	45.7	51.2	69.1	72.0	76.5	54.6	63.5	107.7	122.9	78.0	55.7
87.5°	13.7	14.5	42.3	47.5	47.2	27.5	39.0	52.0	57.5	34.5	22.6
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°	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4	548.4
2.5°	555.1	542.1	514.6	490.1	471.5	453.7	441.5	435.1	427.0	428.1	425.5
5°	572.2	545.4	496.8	457.4	431.1	411.0	398.8	392.4	386.5	383.5	385.8
7.5°	597.8	556.2	488.2	440.7	413.2	396.2	389.5	387.6	386.1	385.0	386.9
10°	630.8	575.1	486.8	434.8	409.5	399.1	396.5	395.4	393.9	392.4	393.6
12.5°	664.6	595.9	492.0	436.3	415.5	407.7	404.3	402.8	399.1	397.3	397.6
15°	706.9	621.2	499.0	442.2	423.3	413.2	408.8	404.7	398.8	396.2	397.3
17.5°	752.2	651.2	508.7	447.8	426.2	414.0	405.1	399.1	393.2	389.5	389.8
20°	803.5	680.9	517.2	449.6	424.8	407.7	396.9	389.8	382.1	378.0	376.9
22.5°	856.6	712.1	523.9	448.1	416.6	396.9	384.7	376.1	366.8	360.5	360.9
25°	921.2	754.5	529.5	442.9	405.8	382.8	369.1	358.3	348.6	342.7	343.1
27.5°	998.8	802.3	536.1	434.8	392.8	367.6	351.6	340.8	331.6	326.0	325.2
30°	1102.3	864.7	543.6	424.8	376.5	350.9	335.3	324.1	315.2	310.0	310.0
32.5°	1218.9	940.8	548.8	412.9	358.3	333.0	318.9	310.0	303.3	296.3	295.5
35°	1320.3	999.9	564.7	403.6	342.3	316.3	306.7	300.4	290.3	283.7	282.5
37.5°	1469.2	1103.8	611.9	401.0	323.0	303.3	301.5	289.6	278.1	265.5	264.4
40°	1709.0	1283.9	666.8	388.4	303.0	296.3	294.4	278.5	251.4	243.6	242.1
42.5°	2014.2	1500.7	672.8	351.6	288.9	290.3	284.8	253.6	241.7	235.8	234.3
45°	2289.7	1676.7	639.0	314.1	278.5	281.4	269.9	244.3	237.6	232.1	230.6
47.5°	2444.5	1730.9	575.1	285.9	270.7	273.6	246.2	239.9	233.2	227.6	226.1
50°	2488.0	1683.8	500.9	269.6	264.7	265.8	239.9	236.1	230.2	225.7	223.5
52.5°	2496.5	1613.2	432.2	259.9	260.3	250.2	234.3	231.3	227.6	220.5	217.9
55°	2500.2	1549.7	370.5	254.0	257.3	230.2	228.3	226.1	223.1	215.7	214.2
57.5°	2509.9	1468.4	322.3	249.5	253.6	220.9	221.7	220.2	216.5	213.1	212.4
60°	2482.4	1355.9	285.1	245.0	248.4	213.1	213.9	214.6	211.3	210.5	210.1
62.5°	2390.3	1196.3	253.6	239.1	237.6	205.3	205.3	208.3	205.3	206.4	206.4
65°	2200.6	992.8	225.4	228.0	220.9	196.8	196.4	201.6	197.2	202.0	202.4
67.5°	1877.2	751.5	196.4	210.5	203.5	187.9	189.4	193.4	187.5	197.5	197.5
70°	1485.9	511.3	166.3	186.0	185.6	177.8	182.7	182.3	175.6	190.5	187.9
72.5°	1106.8	328.2	135.5	155.9	162.3	167.1	176.0	168.2	161.9	170.4	162.6
75°	773.4	205.7	106.9	123.3	135.1	155.2	167.8	152.2	142.9	140.3	138.1
77.5°	463.0	131.4	84.3	93.9	105.4	141.1	157.4	135.5	121.4	119.9	115.5
80°	213.5	85.8	64.2	70.2	75.0	121.0	143.3	115.8	98.8	97.3	92.1
82.5°	96.5	56.4	47.9	50.1	50.5	96.2	121.0	91.7	75.4	122.2	105.8
85°	44.9	36.4	31.2	29.7	30.1	64.2	88.0	63.1	85.8	66.8	50.9
87.5°	19.3	18.6	16.0	12.6	11.5	13.7	33.8	26.4	37.5	14.9	10.0
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)