

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: P672080

Luminaire Tested: **CCP-SA-1D-727-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672080
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-727-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T2R distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

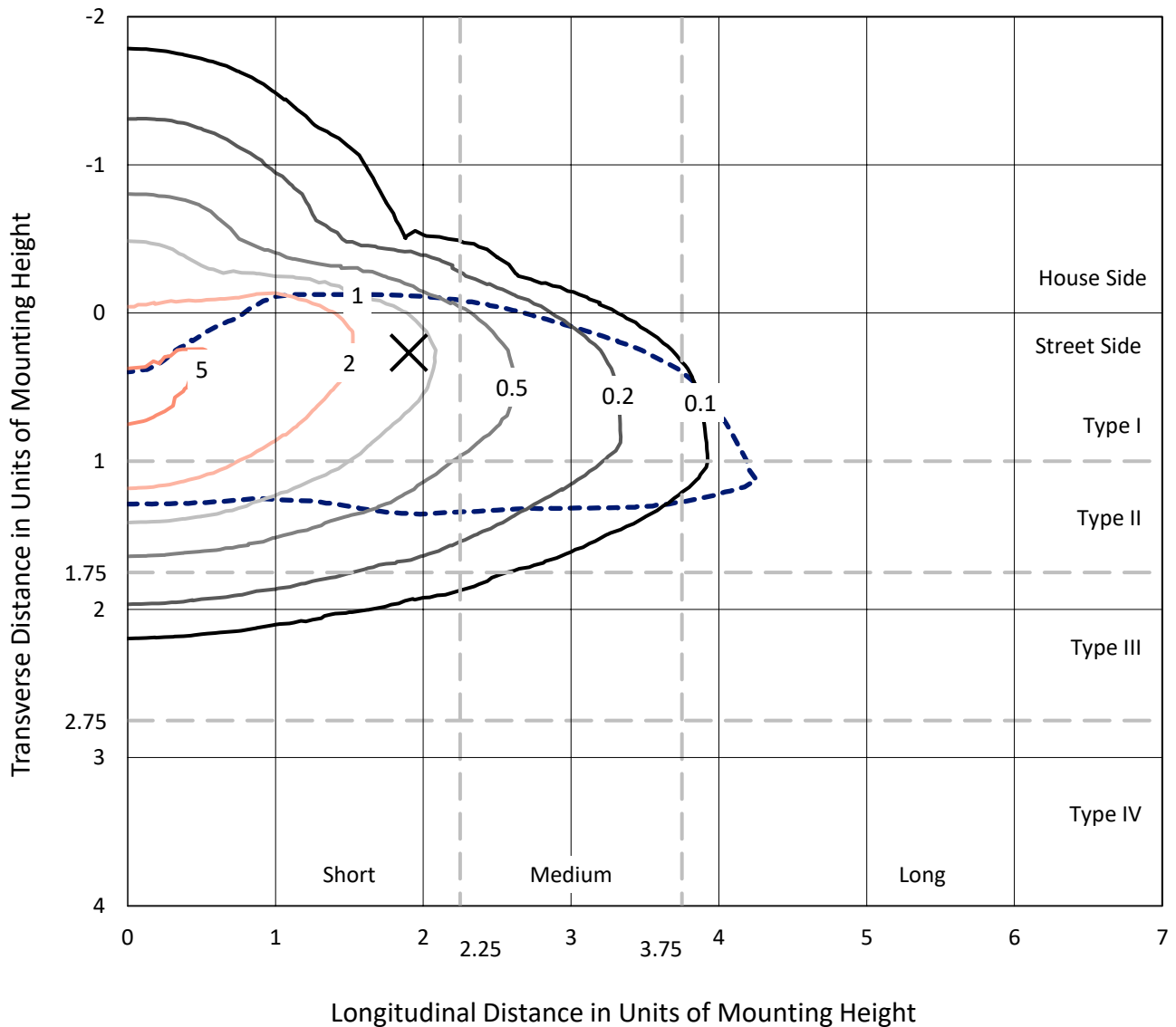
Lumens per Lamp: N/A
Luminaire Lumens: 4737.5 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

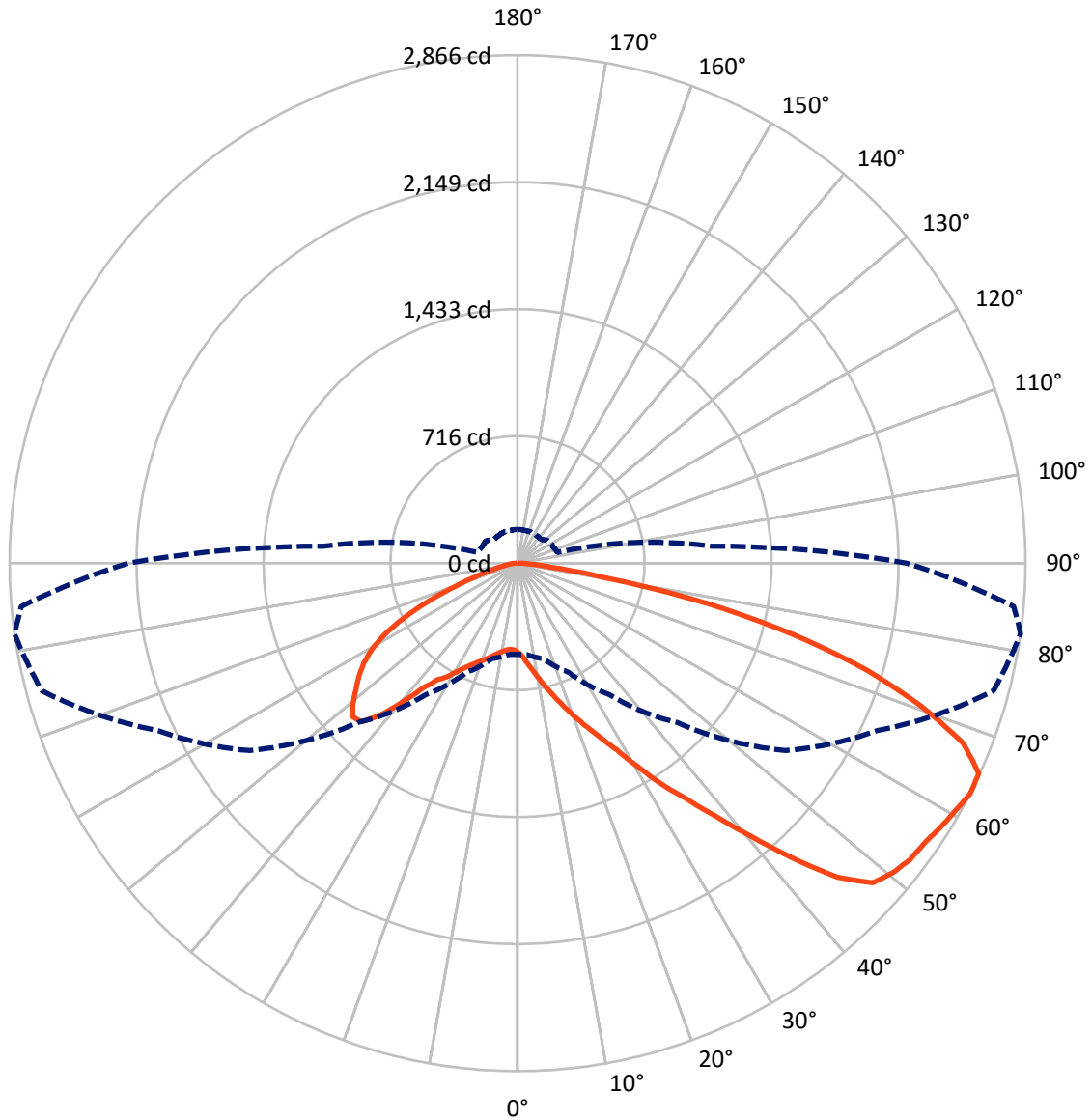
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 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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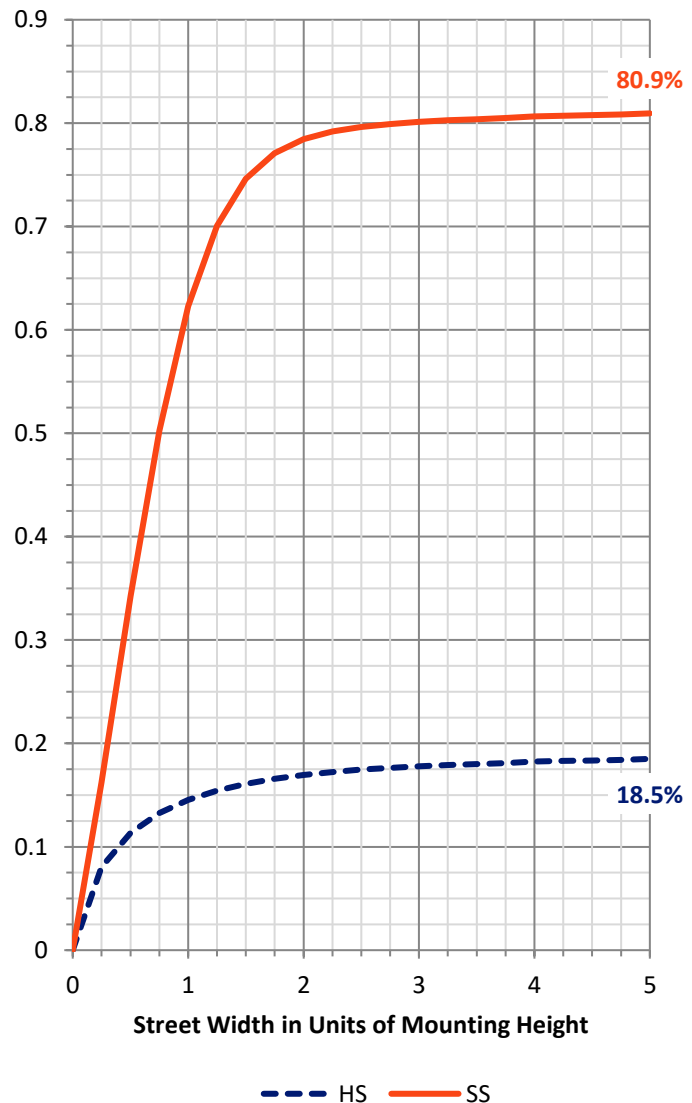
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	892.5	0.0	892.5
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	3845.0	0.0	3845.0
	% Fixture	81.2	0.0	81.2
Total	Lumens	4737.5	0.0	4737.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.7	1.2
10°-20°	210.3	4.4
20°-30°	435.5	9.2
30°-40°	739.1	15.6
40°-50°	1006.5	21.2
50°-60°	1018.8	21.5
60°-70°	802.9	16.9
70°-80°	395.5	8.3
80°-90°	73.2	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°	4737.5	100.0
0°-180°	4737.5	100.0



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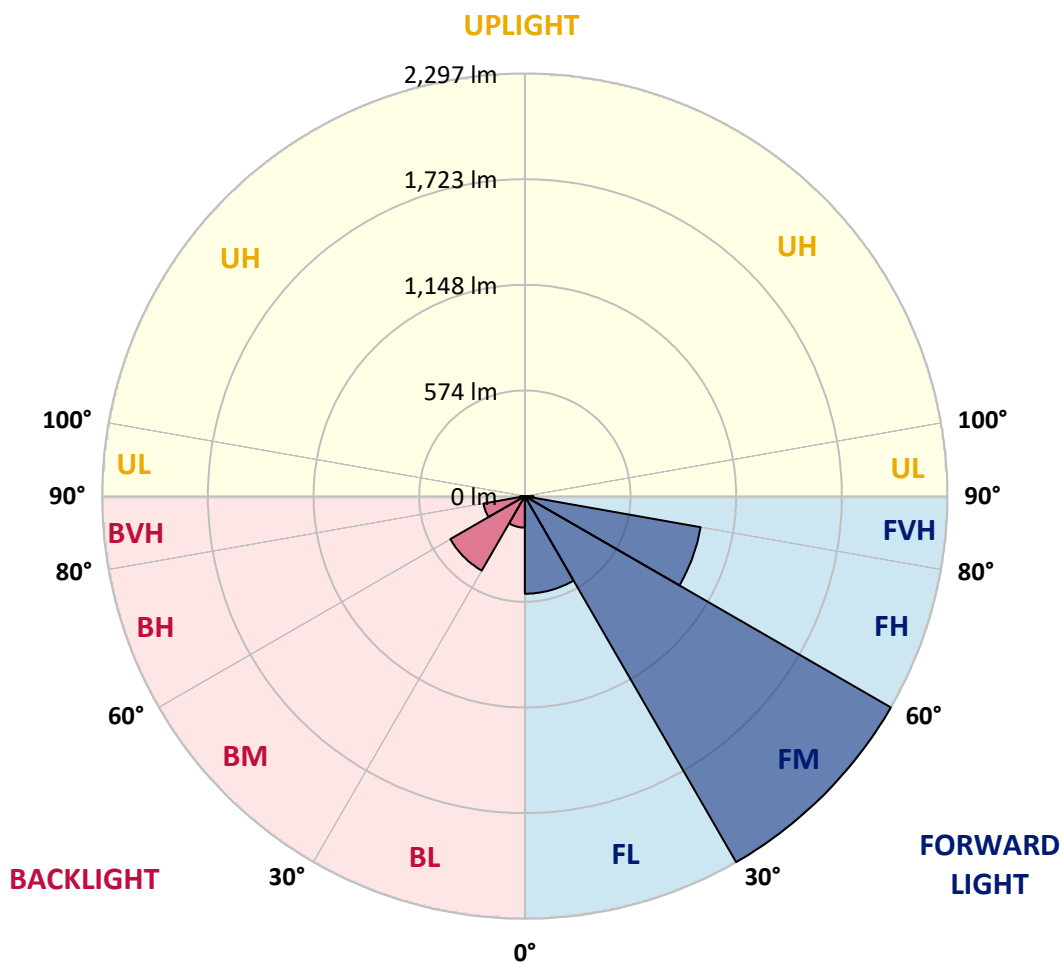
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	530.2	11.2			
FM (30°-60°)	2296.9	48.5			
FH (60°-80°)	970.3	20.5			G1/1800
FVH (80°-90°)	47.5	1.0			G1/100
BL (0°-30°)	171.2	3.6	B1/500		
BM (30°-60°)	467.5	9.9	B1/1000		
BH (60°-80°)	228.1	4.8	B1/500		G1/500
BVH (80°-90°)	25.6	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°	503.8	503.8	503.8	503.8	503.8	503.8	503.8	503.8	503.8	503.8	503.8
2.5°	670.9	660.7	655.2	649.1	632.0	621.1	600.7	576.8	549.2	525.6	521.2
5°	812.5	802.3	803.6	788.6	763.7	740.5	702.3	657.3	604.8	564.5	550.5
7.5°	912.4	901.2	903.9	897.8	877.6	852.1	803.6	745.6	668.9	609.2	586.7
10°	979.3	980.6	982.7	980.3	967.3	949.3	901.2	837.0	741.5	662.1	631.4
12.5°	1055.0	1058.8	1058.1	1059.1	1052.3	1038.0	990.9	930.5	819.0	719.0	679.1
15°	1151.5	1147.8	1150.9	1155.3	1147.8	1132.1	1090.5	1018.9	900.2	782.5	733.0
17.5°	1257.3	1249.4	1257.6	1253.2	1247.7	1237.5	1191.8	1115.4	984.1	851.0	793.0
20°	1348.7	1343.6	1348.0	1348.7	1349.7	1347.7	1300.6	1219.4	1072.1	925.7	857.9
22.5°	1451.4	1449.0	1448.3	1448.6	1449.7	1452.0	1420.0	1333.3	1169.6	1004.2	927.8
25°	1595.0	1592.6	1576.9	1559.5	1549.3	1556.8	1540.0	1462.6	1277.4	1092.2	1004.5
27.5°	1756.0	1752.2	1731.4	1687.4	1654.7	1660.1	1658.4	1605.2	1401.6	1193.2	1096.6
30°	1923.1	1913.9	1885.2	1823.5	1772.0	1762.4	1767.2	1749.5	1557.8	1327.2	1224.9
32.5°	2072.2	2055.1	2017.2	1954.8	1893.4	1865.8	1866.5	1874.3	1727.6	1483.4	1359.3
35°	2163.2	2152.0	2123.7	2060.6	1992.0	1973.6	1968.5	2007.7	1883.5	1628.0	1479.7
37.5°	2212.3	2201.4	2171.1	2120.2	2068.4	2060.9	2070.4	2131.2	2060.6	1808.5	1643.4
40°	2203.5	2191.9	2172.1	2136.6	2102.5	2108.3	2150.6	2244.4	2254.0	2024.4	1876.7
42.5°	2130.5	2118.2	2116.5	2114.1	2098.1	2123.7	2200.1	2327.3	2431.7	2273.7	2159.1
45°	2001.5	1994.0	2002.9	2043.8	2064.0	2113.4	2223.3	2367.5	2587.9	2527.2	2426.2
47.5°	1838.2	1833.7	1853.9	1918.7	1983.8	2082.0	2238.6	2378.5	2695.3	2695.3	2601.2
50°	1655.3	1653.6	1680.2	1774.4	1876.4	2024.4	2236.9	2388.7	2742.4	2744.8	2662.9
52.5°	1400.2	1409.1	1480.0	1604.2	1742.7	1934.0	2213.0	2417.3	2769.0	2774.5	2704.2
55°	1106.2	1114.7	1221.8	1388.9	1566.3	1824.2	2141.7	2408.8	2774.1	2786.4	2727.7
57.5°	883.1	884.8	951.7	1150.2	1369.8	1683.6	2059.5	2352.2	2759.1	2812.7	2763.9
60°	691.1	696.5	741.2	898.4	1142.0	1502.5	1967.8	2296.3	2767.6	2837.6	2796.6
62.5°	514.7	516.1	557.7	679.5	907.3	1271.6	1843.3	2236.6	2779.6	2865.5	2809.9
65°	335.3	335.0	375.2	485.0	677.8	1022.3	1647.8	2143.1	2780.6	2859.4	2748.9
67.5°	213.2	214.5	231.9	301.2	453.7	771.6	1381.8	1969.5	2732.2	2710.7	2526.5
70°	172.9	173.3	178.7	196.8	276.3	527.3	1038.6	1698.0	2579.0	2414.3	2196.0
72.5°	154.2	154.5	157.2	159.3	184.2	316.9	681.5	1378.7	2306.8	2057.8	1821.8
75°	138.5	138.5	140.2	138.1	151.1	198.9	386.8	1036.6	1899.9	1602.5	1376.3
77.5°	121.4	121.1	121.1	120.1	130.6	145.3	193.7	723.5	1368.5	1092.9	892.6
80°	103.0	102.3	103.4	102.7	112.9	110.2	112.9	446.5	741.9	501.1	380.0
82.5°	80.2	80.2	83.2	83.9	93.1	79.8	79.5	211.8	281.7	187.3	140.2
85°	42.0	47.1	63.4	66.2	70.3	50.1	58.3	98.9	112.9	71.6	51.2
87.5°	12.6	13.3	38.9	43.7	43.3	25.2	35.8	47.8	52.9	31.7	20.8
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°	503.8	503.8	503.8	503.8	503.8	503.8	503.8	503.8	503.8	503.8	503.8
2.5°	509.9	498.0	472.8	450.2	433.2	416.8	405.6	399.8	392.3	393.3	390.9
5°	525.6	501.1	456.4	420.2	396.0	377.6	366.3	360.5	355.1	352.4	354.4
7.5°	549.2	511.0	448.5	404.9	379.6	363.9	357.8	356.1	354.7	353.7	355.4
10°	579.5	528.4	447.2	399.4	376.2	366.7	364.3	363.3	361.9	360.5	361.6
12.5°	610.6	547.5	452.0	400.8	381.7	374.5	371.5	370.1	366.7	365.0	365.3
15°	649.4	570.7	458.4	406.2	388.8	379.6	375.5	371.8	366.3	363.9	365.0
17.5°	691.1	598.3	467.3	411.4	391.6	380.3	372.1	366.7	361.2	357.8	358.2
20°	738.1	625.6	475.1	413.1	390.2	374.5	364.6	358.2	351.0	347.2	346.2
22.5°	786.9	654.2	481.3	411.7	382.7	364.6	353.4	345.5	337.0	331.2	331.5
25°	846.3	693.1	486.4	406.9	372.8	351.7	339.0	329.2	320.3	314.8	315.2
27.5°	917.5	737.1	492.5	399.4	360.9	337.7	323.0	313.1	304.6	299.5	298.8
30°	1012.7	794.4	499.4	390.2	345.9	322.3	308.0	297.8	289.6	284.8	284.8
32.5°	1119.8	864.3	504.1	379.3	329.2	306.0	293.0	284.8	278.7	272.2	271.5
35°	1212.9	918.6	518.8	370.8	314.5	290.6	281.7	275.9	266.7	260.6	259.6
37.5°	1349.7	1014.1	562.1	368.4	296.8	278.7	277.0	266.1	255.5	243.9	242.9
40°	1570.1	1179.5	612.6	356.8	278.3	272.2	270.5	255.8	230.9	223.8	222.4
42.5°	1850.4	1378.7	618.1	323.0	265.4	266.7	261.6	233.0	222.1	216.6	215.2
45°	2103.5	1540.4	587.0	288.6	255.8	258.6	248.0	224.4	218.3	213.2	211.8
47.5°	2245.8	1590.2	528.4	262.6	248.7	251.4	226.1	220.3	214.2	209.1	207.7
50°	2285.7	1546.9	460.1	247.6	243.2	244.2	220.3	216.9	211.5	207.4	205.3
52.5°	2293.5	1482.1	397.0	238.8	239.1	229.9	215.2	212.5	209.1	202.6	200.2
55°	2296.9	1423.7	340.4	233.3	236.4	211.5	209.8	207.7	205.0	198.2	196.8
57.5°	2305.8	1349.0	296.1	229.2	233.0	203.0	203.6	202.3	198.9	195.8	195.1
60°	2280.6	1245.7	262.0	225.1	228.2	195.8	196.5	197.2	194.1	193.4	193.1
62.5°	2196.0	1099.0	233.0	219.7	218.3	188.6	188.6	191.4	188.6	189.6	189.6
65°	2021.7	912.1	207.0	209.4	203.0	180.8	180.4	185.2	181.1	185.6	185.9
67.5°	1724.6	690.4	180.4	193.4	186.9	172.6	174.0	177.7	172.3	181.5	181.5
70°	1365.1	469.7	152.8	170.9	170.5	163.4	167.8	167.5	161.3	175.0	172.6
72.5°	1016.8	301.5	124.5	143.3	149.1	153.5	161.7	154.5	148.7	156.6	149.4
75°	710.5	189.0	98.2	113.2	124.2	142.6	154.2	139.8	131.3	128.9	126.9
77.5°	425.3	120.7	77.4	86.3	96.9	129.6	144.6	124.5	111.5	110.2	106.1
80°	196.1	78.8	59.0	64.5	68.9	111.2	131.7	106.4	90.7	89.4	84.6
82.5°	88.7	51.8	44.0	46.0	46.4	88.3	111.2	84.3	69.2	112.2	97.2
85°	41.3	33.4	28.7	27.3	27.6	59.0	80.8	58.0	78.8	61.4	46.7
87.5°	17.7	17.1	14.7	11.6	10.6	12.6	31.0	24.2	34.5	13.6	9.2
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)