

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: P672025

Luminaire Tested: **CCP-SA-1E-835-U-AFL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672025
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-835-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ AFL distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

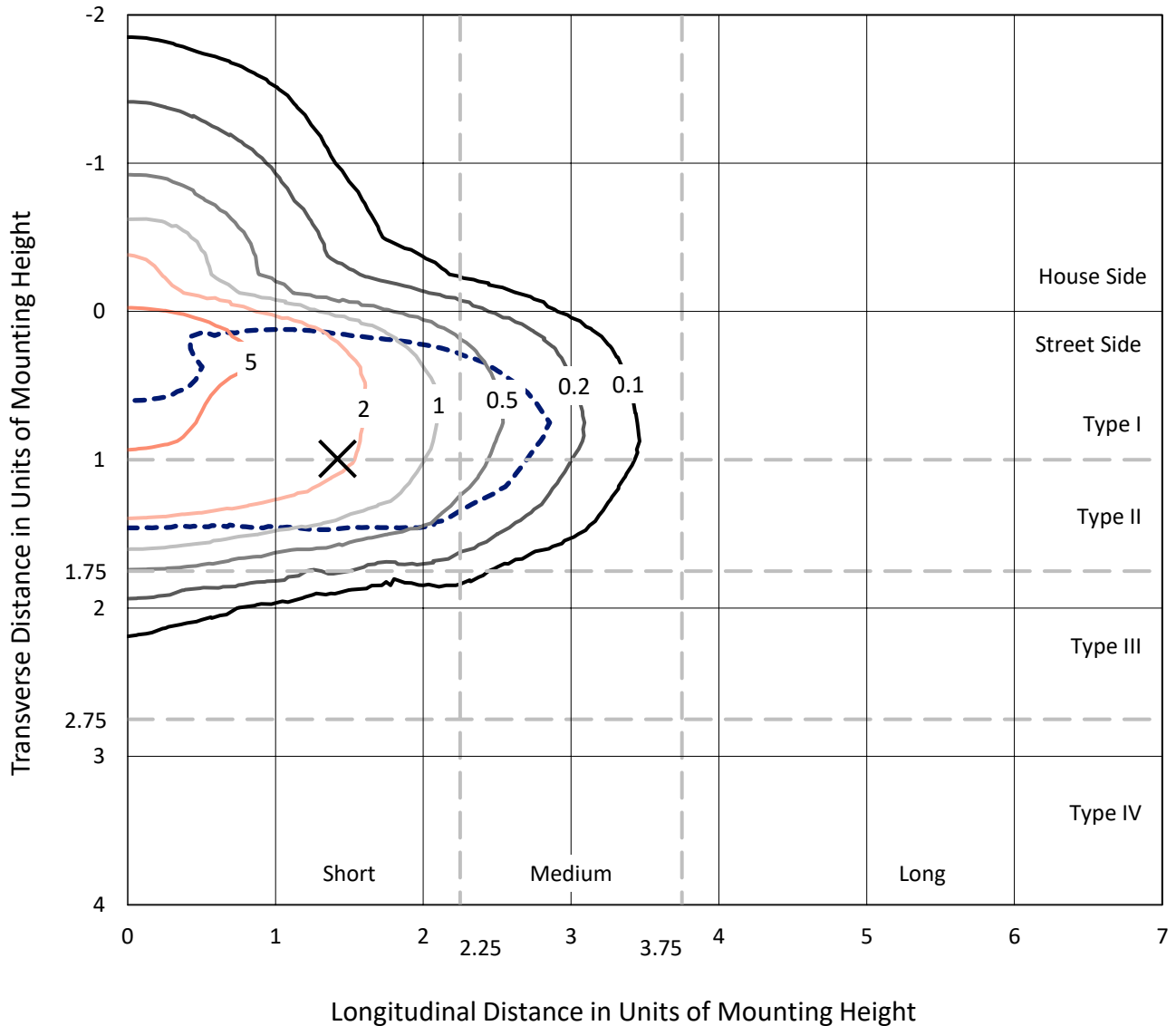
Lumens per Lamp: N/A
Luminaire Lumens: 5685.3 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (A_{in}): 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

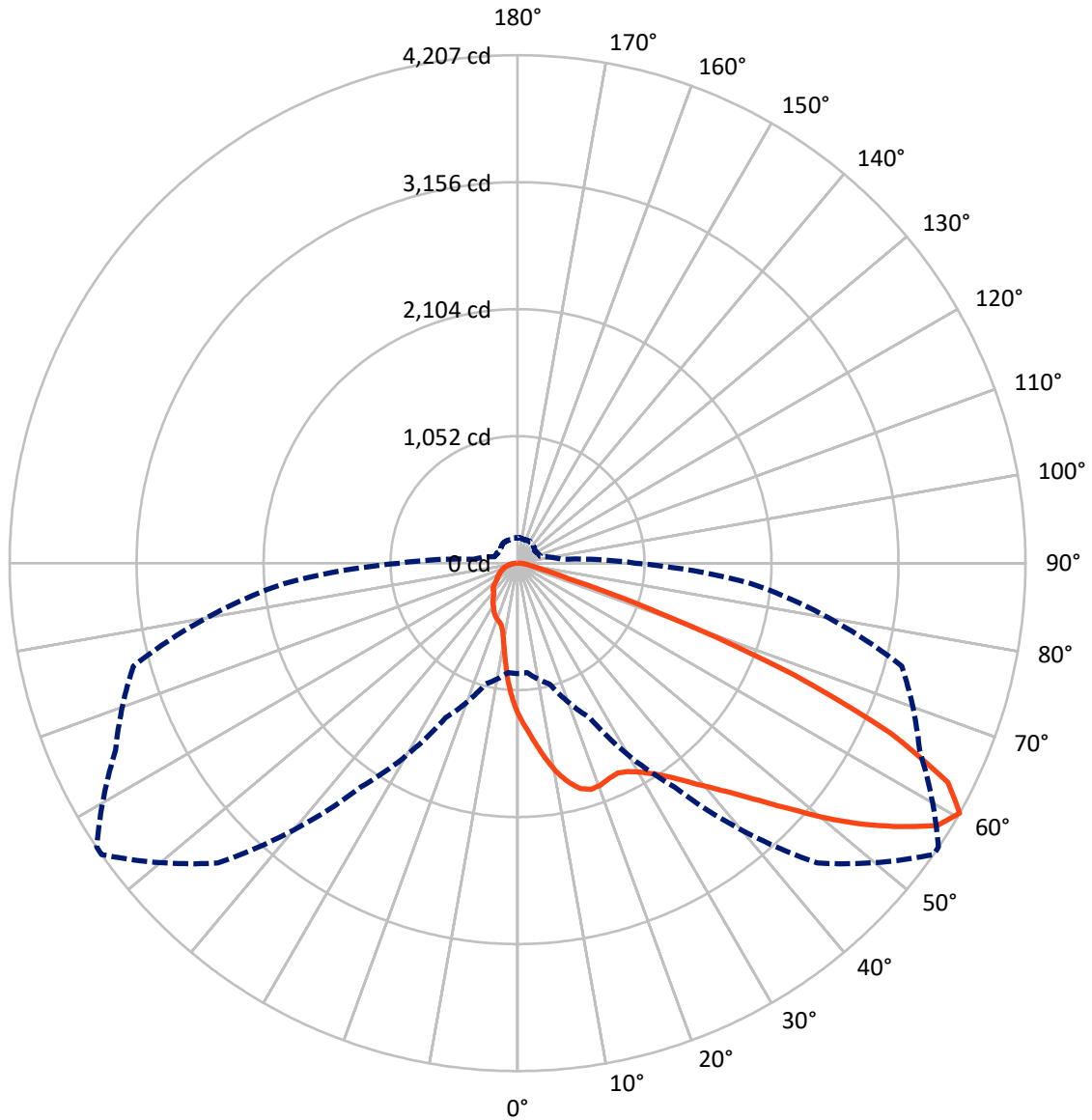
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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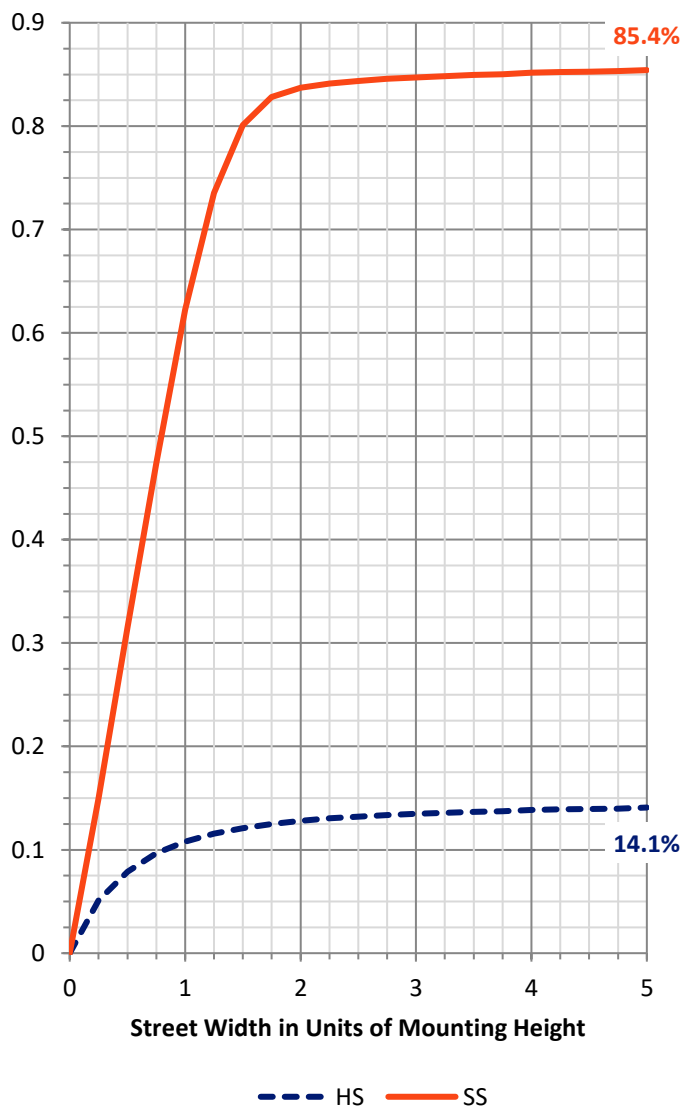
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	817.3	0.0	817.3
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	4868.0	0.0	4868.0
	% Fixture	85.6	0.0	85.6
Total	Lumens	5685.3	0.0	5685.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.0	2.1
10°-20°	334.3	5.9
20°-30°	544.3	9.6
30°-40°	813.5	14.3
40°-50°	1195.7	21.0
50°-60°	1401.4	24.6
60°-70°	924.0	16.3
70°-80°	294.2	5.2
80°-90°	59.8	1.1
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°	5685.3	100.0
0°-180°	5685.3	100.0



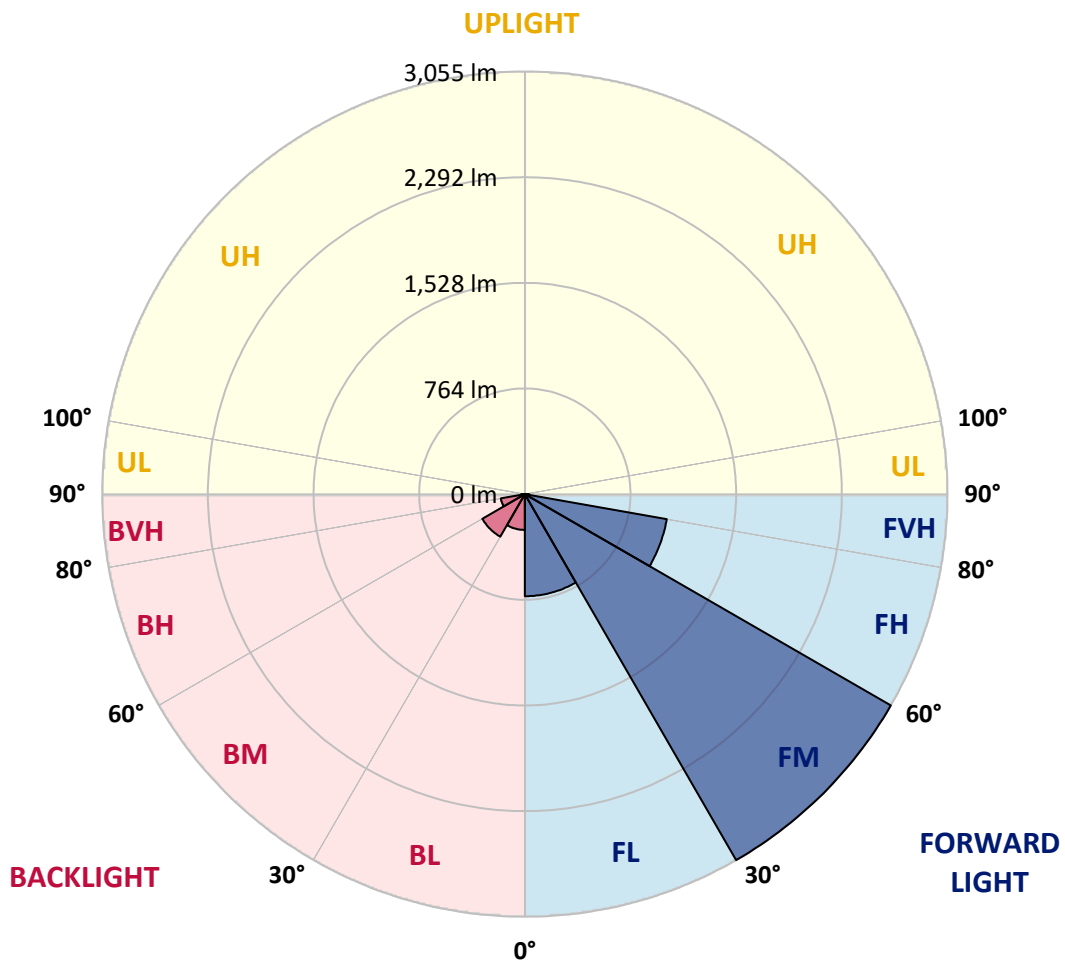
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	737.9	13.0			
FM (30°-60°)	3055.4	53.7			
FH (60°-80°)	1041.9	18.3			G1/1800
FVH (80°-90°)	32.8	0.6			G1/100
BL (0°-30°)	258.7	4.6	B1/500		
BM (30°-60°)	355.2	6.2	B1/1000		
BH (60°-80°)	176.3	3.1	B1/500		G1/500
BVH (80°-90°)	27.0	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°	56°	65°	75°	85°
0°	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9
2.5°	1467.3	1461.9	1461.9	1448.3	1428.2	1400.1	1366.8	1358.5	1345.7	1313.2	1271.2
5°	1691.0	1685.3	1677.4	1653.5	1616.0	1560.0	1489.6	1476.8	1431.0	1363.9	1288.1
7.5°	1839.0	1835.7	1833.2	1812.6	1775.5	1720.3	1625.9	1611.5	1534.1	1422.8	1304.1
10°	1823.7	1833.6	1850.9	1865.3	1872.8	1844.3	1755.7	1738.8	1642.8	1491.2	1328.0
12.5°	1680.7	1694.8	1726.9	1785.8	1853.8	1908.6	1858.3	1848.9	1759.0	1563.7	1358.1
15°	1574.4	1580.2	1595.9	1639.5	1740.9	1887.2	1937.9	1929.2	1867.4	1656.8	1392.7
17.5°	1541.5	1543.9	1547.7	1562.1	1631.3	1803.5	1970.4	1978.7	1972.5	1753.7	1431.9
20°	1558.0	1559.6	1560.0	1562.5	1595.4	1733.5	1961.8	1975.8	2064.8	1850.5	1470.6
22.5°	1621.4	1619.3	1616.5	1607.0	1625.5	1721.1	1938.7	1960.9	2136.1	1938.7	1506.4
25°	1732.2	1729.4	1709.2	1689.4	1697.2	1765.6	1926.3	1950.2	2191.7	2021.9	1532.8
27.5°	1864.1	1861.2	1840.6	1803.1	1794.9	1839.8	1955.2	1970.0	2232.5	2095.7	1544.4
30°	2000.9	2000.9	1975.4	1932.1	1905.7	1924.7	2008.3	2020.3	2263.4	2167.0	1551.8
32.5°	2150.1	2154.2	2114.6	2065.2	2035.9	2024.8	2082.9	2093.2	2308.3	2251.0	1567.4
35°	2341.7	2332.6	2284.4	2219.3	2172.3	2147.2	2175.2	2187.1	2374.2	2355.7	1592.6
37.5°	2557.2	2541.1	2481.8	2403.9	2321.9	2279.9	2298.4	2301.3	2471.9	2492.1	1638.3
40°	2735.2	2732.3	2682.0	2608.3	2504.8	2448.4	2439.3	2441.0	2607.4	2653.6	1707.5
42.5°	2885.2	2874.4	2865.4	2839.4	2729.8	2637.1	2600.0	2600.4	2754.5	2820.5	1777.2
45°	2951.5	2949.4	2976.2	3043.0	2964.3	2855.1	2802.3	2809.8	2923.1	2991.9	1844.3
47.5°	2923.1	2924.7	2996.4	3171.5	3218.1	3134.4	3040.9	3036.4	3086.2	3123.3	1903.7
50°	2669.2	2696.0	2890.1	3183.5	3384.6	3426.2	3320.7	3303.8	3229.2	3228.0	1939.9
52.5°	2477.6	2476.4	2595.5	3061.9	3443.5	3689.5	3594.7	3556.8	3347.5	3286.9	1942.8
55°	2218.9	2217.2	2305.8	2706.3	3326.5	3873.2	3853.1	3805.7	3455.8	3306.3	1923.0
57.5°	1680.3	1711.6	1799.8	2166.5	2955.6	3844.0	4099.9	4060.3	3561.7	3297.6	1919.3
60°	914.3	910.6	1038.4	1412.1	2263.0	3511.9	4207.4	4205.4	3674.2	3294.3	1942.0
62.5°	421.5	417.4	443.0	628.8	1297.5	2813.5	3999.7	4029.4	3778.5	3264.2	1939.9
65°	315.2	304.5	269.9	292.6	496.5	1679.5	3397.3	3476.4	3617.8	3140.6	1850.1
67.5°	281.0	270.7	230.3	215.9	249.3	592.5	2464.5	2537.4	3025.3	2909.1	1704.6
70°	257.5	248.5	208.1	185.4	187.1	262.5	1290.1	1433.5	2217.2	2427.8	1452.9
72.5°	234.9	227.0	190.4	163.2	157.4	173.5	439.7	530.3	1379.1	1769.3	1083.3
75°	211.0	203.6	171.4	146.3	135.2	128.6	209.3	225.4	729.3	977.0	581.4
77.5°	183.4	179.2	152.9	129.0	119.5	97.2	139.3	146.3	312.3	383.6	276.9
80°	159.5	156.2	136.4	117.0	107.1	75.0	96.0	101.0	154.1	191.6	154.9
82.5°	103.8	112.1	112.9	100.5	94.4	60.2	63.5	67.2	102.2	112.9	67.6
85°	42.9	51.9	77.9	69.2	65.5	51.1	42.0	42.9	62.6	65.9	24.3
87.5°	19.4	21.4	38.3	38.7	33.8	19.4	21.0	23.1	32.1	31.7	10.7
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°	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9	1260.9
2.5°	1259.6	1240.7	1206.9	1163.6	1132.7	1110.1	1085.3	1067.2	1047.0	1029.3	1032.2
5°	1256.7	1220.1	1144.3	1063.9	985.6	921.3	867.8	828.2	787.4	771.4	769.3
7.5°	1259.2	1197.0	1072.6	941.1	822.0	740.0	677.8	640.3	616.8	603.2	604.1
10°	1258.4	1175.2	995.1	813.8	683.6	608.6	570.7	558.3	556.3	557.9	560.4
12.5°	1259.6	1145.5	908.2	699.2	584.3	546.0	547.6	558.7	565.7	570.3	573.2
15°	1265.0	1121.2	819.2	609.0	532.4	533.6	551.3	568.6	578.9	583.9	586.3
17.5°	1272.8	1090.7	740.0	540.6	510.5	529.5	552.6	571.1	578.9	581.8	583.9
20°	1273.6	1055.7	660.1	493.6	496.1	520.8	541.0	555.9	565.7	569.0	570.7
22.5°	1269.9	1008.3	578.1	459.4	479.6	504.3	521.7	538.5	525.4	514.6	511.8
25°	1254.3	948.5	508.1	431.4	459.0	482.1	501.9	483.3	477.2	468.9	469.7
27.5°	1220.5	874.0	442.1	405.0	434.7	467.7	453.3	450.8	443.0	434.7	434.7
30°	1176.0	795.3	386.9	377.4	405.5	421.9	425.2	421.5	417.0	406.3	407.1
32.5°	1136.0	712.0	347.8	354.4	386.9	386.9	401.3	401.3	384.9	354.8	354.8
35°	1096.5	633.7	318.9	335.0	356.4	363.4	383.2	357.2	333.8	320.2	319.3
37.5°	1065.6	567.0	300.0	318.5	326.8	344.5	344.9	325.9	318.1	305.7	304.5
40°	1047.4	510.9	288.4	310.3	311.1	327.6	300.4	305.7	304.1	294.6	293.4
42.5°	1037.5	467.7	279.8	303.3	299.1	283.1	278.1	287.2	290.1	285.1	283.1
45°	1029.7	433.9	272.8	279.0	289.7	260.4	258.4	265.4	271.5	271.1	269.5
47.5°	1025.6	410.4	266.6	263.7	265.8	246.8	242.7	246.0	253.8	258.8	258.4
50°	1009.5	392.3	257.5	248.1	234.9	234.9	232.8	232.8	242.3	252.2	253.0
52.5°	981.1	370.8	244.3	233.2	218.0	224.6	225.4	223.7	233.6	244.3	245.2
55°	949.8	354.8	226.6	219.6	204.0	215.1	218.8	217.1	223.7	231.2	230.7
57.5°	950.2	354.4	211.4	206.0	190.8	203.1	212.2	212.6	212.2	217.6	217.6
60°	974.1	362.6	199.4	187.9	175.5	190.4	205.2	205.2	202.3	210.1	211.0
62.5°	981.1	361.8	192.0	170.6	161.9	178.8	194.9	197.4	195.3	206.4	207.7
65°	919.3	342.4	184.6	154.9	149.6	166.1	182.1	189.1	187.1	201.5	203.1
67.5°	833.6	317.3	173.1	140.9	136.8	153.7	168.9	176.4	175.9	194.9	195.7
70°	718.6	286.4	158.6	126.5	124.4	139.3	152.9	160.7	164.4	186.2	185.8
72.5°	556.7	245.6	136.8	111.3	110.8	124.4	136.4	145.0	152.0	173.1	173.1
75°	358.9	193.3	111.7	96.4	94.8	107.5	119.9	129.8	151.2	184.6	184.2
77.5°	219.2	147.5	89.8	80.3	79.9	91.5	103.8	120.7	165.2	164.4	159.9
80°	131.4	105.9	71.7	64.3	64.3	75.0	88.6	129.4	137.2	156.6	147.9
82.5°	68.4	65.1	53.6	47.4	49.4	58.9	80.8	103.4	112.1	95.2	87.4
85°	28.0	34.6	33.0	30.1	31.3	40.8	77.9	82.8	66.3	69.6	70.0
87.5°	9.5	15.2	15.2	11.9	13.2	28.8	46.1	27.6	33.4	19.8	14.8
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)