

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: P671973

Luminaire Tested: **CCP-SA-2B-740-U-AFL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671973
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-740-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ AFL distribution lens
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

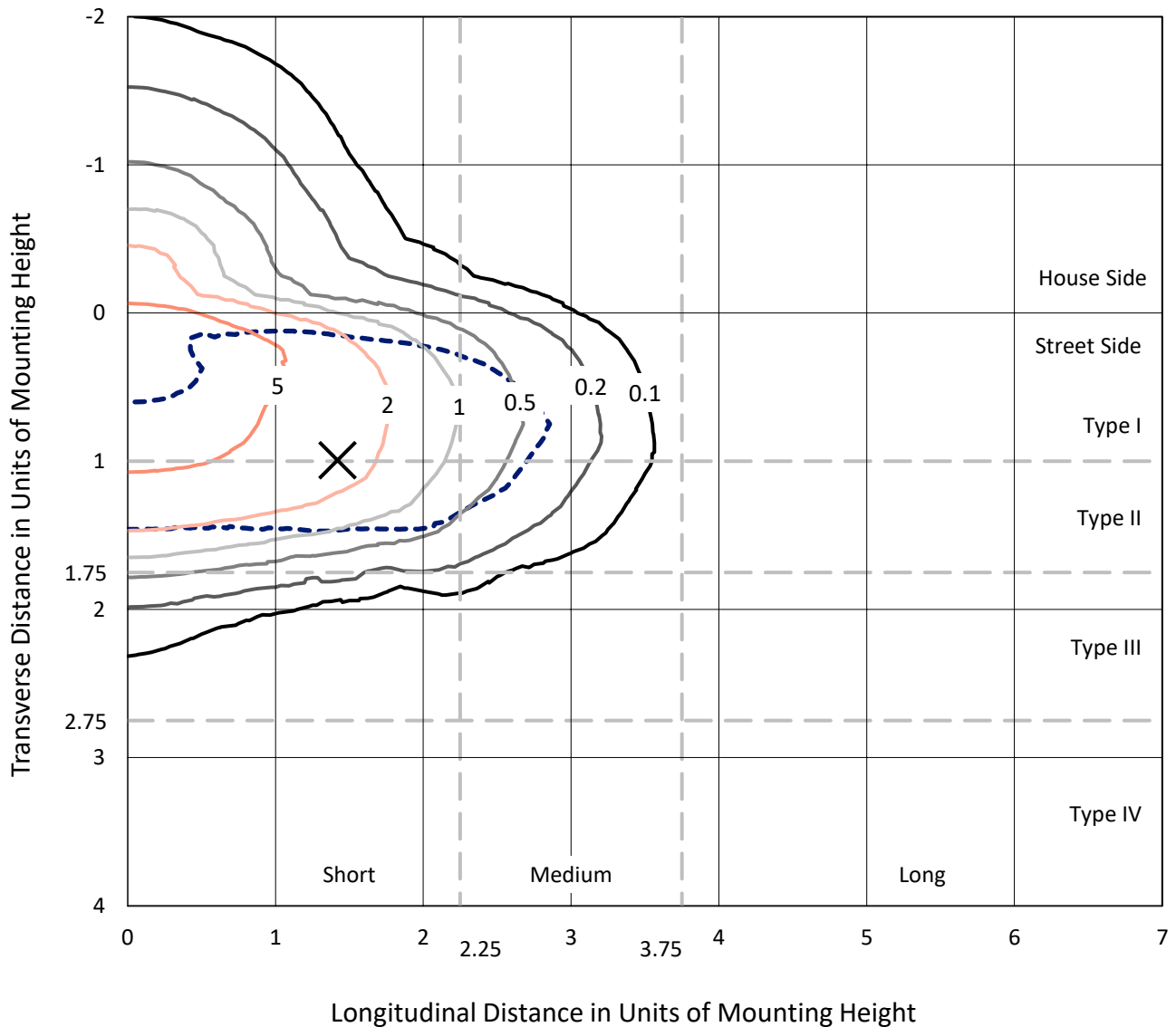
Lumens per Lamp: N/A
Luminaire Lumens: 6969.4 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

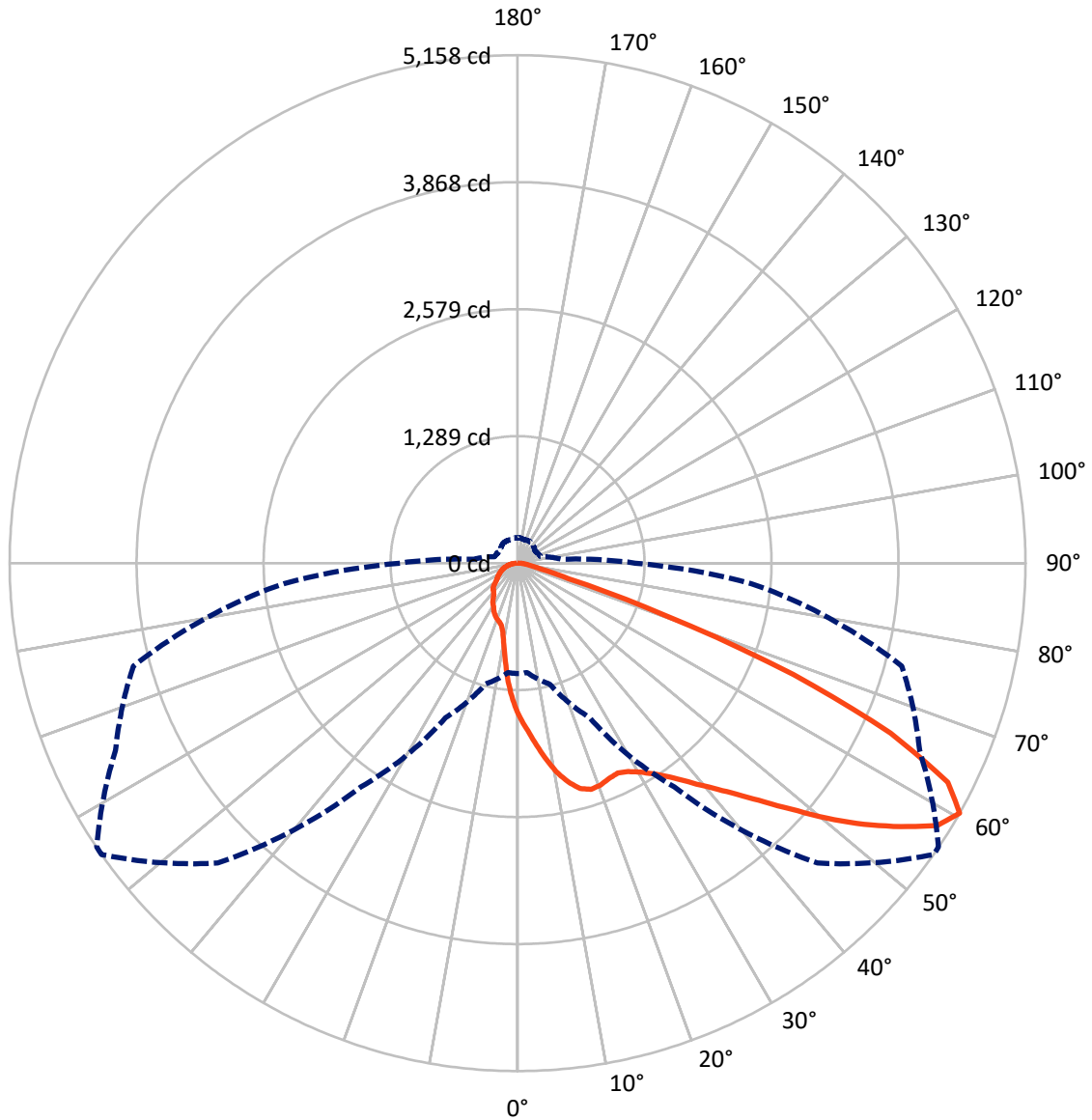
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.7 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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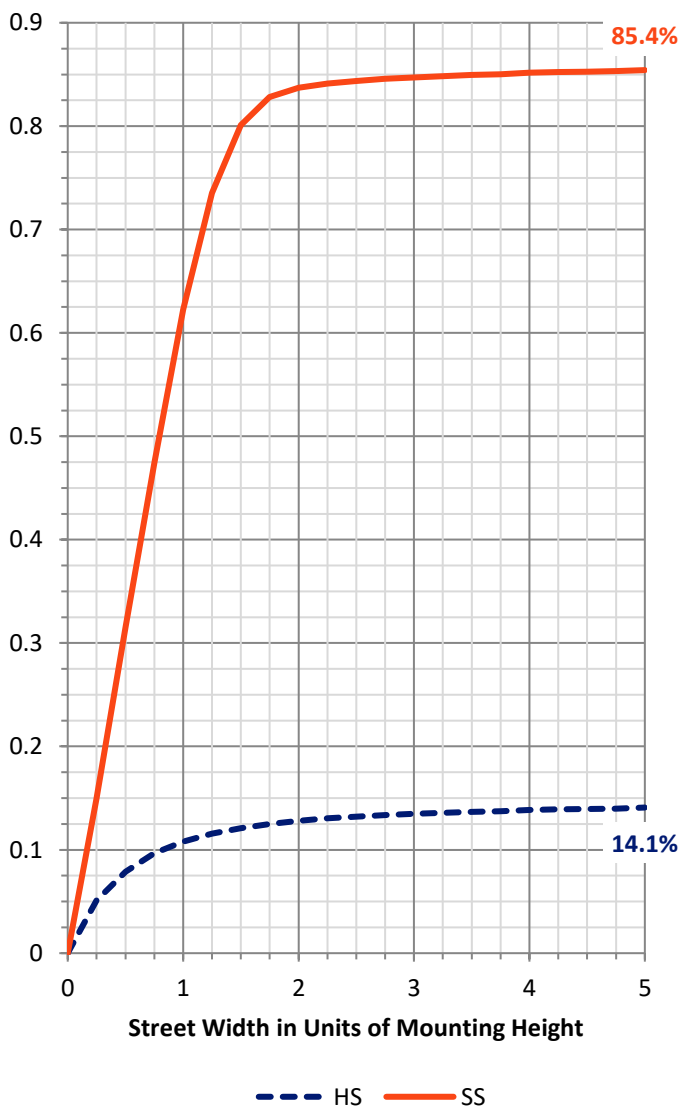
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1001.9	0.0	1001.9
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	5967.5	0.0	5967.5
	% Fixture	85.6	0.0	85.6
Total	Lumens	6969.4	0.0	6969.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	144.6	2.1
10°-20°	409.8	5.9
20°-30°	667.2	9.6
30°-40°	997.3	14.3
40°-50°	1465.8	21.0
50°-60°	1717.9	24.6
60°-70°	1132.7	16.3
70°-80°	360.7	5.2
80°-90°	73.3	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°	6969.4	100.0
0°-180°	6969.4	100.0



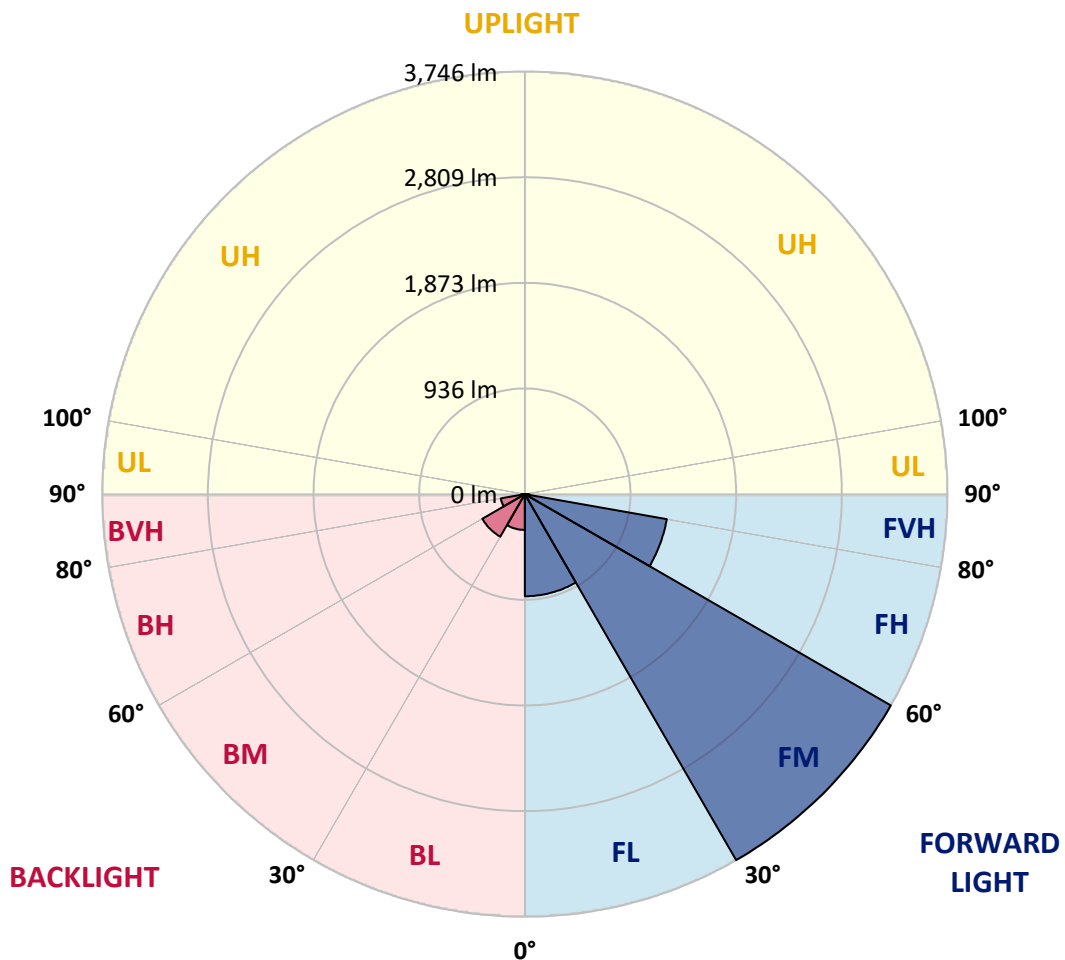
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	904.6	13.0			
FM (30°-60°)	3745.5	53.7			
FH (60°-80°)	1277.2	18.3			G1/1800
FVH (80°-90°)	40.2	0.6			G1/100
BL (0°-30°)	317.1	4.6	B1/500		
BM (30°-60°)	435.4	6.2	B1/1000		
BH (60°-80°)	216.2	3.1	B1/500		G1/500
BVH (80°-90°)	33.1	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°	1545.7	1545.7	1545.7	1545.7	1545.7	1545.7	1545.7	1545.7	1545.7	1545.7	1545.7
2.5°	1798.7	1792.2	1792.2	1775.5	1750.7	1716.4	1675.5	1665.4	1649.7	1609.8	1558.3
5°	2073.0	2065.9	2056.3	2027.0	1981.1	1912.4	1826.0	1810.3	1754.3	1671.9	1579.0
7.5°	2254.3	2250.3	2247.3	2222.0	2176.5	2108.9	1993.2	1975.5	1880.5	1744.2	1598.7
10°	2235.6	2247.8	2269.0	2286.7	2295.8	2260.9	2152.3	2131.6	2013.9	1828.0	1628.0
12.5°	2060.4	2077.5	2116.9	2189.2	2272.5	2339.7	2278.1	2266.5	2156.3	1916.9	1664.9
15°	1930.1	1937.1	1956.3	2009.9	2134.1	2313.4	2375.6	2365.0	2289.2	2031.1	1707.3
17.5°	1889.6	1892.7	1897.2	1914.9	1999.8	2210.9	2415.5	2425.6	2418.0	2149.8	1755.3
20°	1909.8	1911.9	1912.4	1915.4	1955.8	2125.0	2404.9	2422.0	2531.1	2268.5	1802.8
22.5°	1987.6	1985.1	1981.6	1970.0	1992.7	2109.9	2376.6	2403.9	2618.5	2376.6	1846.7
25°	2123.5	2120.0	2095.2	2071.0	2080.6	2164.4	2361.4	2390.7	2686.7	2478.6	1879.0
27.5°	2285.1	2281.6	2256.4	2210.4	2200.3	2255.3	2396.8	2415.0	2736.7	2569.0	1893.2
30°	2452.8	2452.8	2421.5	2368.5	2336.2	2359.4	2461.9	2476.6	2774.6	2656.4	1902.3
32.5°	2635.7	2640.8	2592.3	2531.6	2495.8	2482.1	2553.4	2566.0	2829.7	2759.5	1921.5
35°	2870.6	2859.5	2800.4	2720.6	2663.0	2632.2	2666.5	2681.2	2910.5	2887.8	1952.3
37.5°	3134.8	3115.1	3042.3	2946.9	2846.3	2794.8	2817.5	2821.1	3030.2	3054.9	2008.3
40°	3353.0	3349.4	3287.8	3197.4	3070.6	3001.4	2990.3	2992.3	3196.4	3253.0	2093.2
42.5°	3536.8	3523.7	3512.6	3480.8	3346.4	3232.7	3187.3	3187.8	3376.7	3457.5	2178.6
45°	3618.2	3615.6	3648.5	3730.3	3633.8	3500.0	3435.3	3444.4	3583.3	3667.7	2260.9
47.5°	3583.3	3585.3	3673.2	3887.9	3945.0	3842.4	3727.8	3722.2	3783.3	3828.8	2333.6
50°	3272.1	3305.0	3542.9	3902.5	4149.0	4200.0	4070.7	4050.0	3958.6	3957.1	2378.1
52.5°	3037.3	3035.8	3181.7	3753.5	4221.3	4522.8	4406.6	4360.2	4103.6	4029.3	2381.6
55°	2720.1	2718.0	2826.6	3317.6	4077.8	4748.1	4723.3	4665.3	4236.4	4053.1	2357.4
57.5°	2059.9	2098.3	2206.4	2655.9	3623.2	4712.2	5025.9	4977.4	4366.2	4042.4	2352.8
60°	1120.9	1116.3	1272.9	1731.0	2774.1	4305.1	5157.7	5155.2	4504.1	4038.4	2380.6
62.5°	516.7	511.7	543.0	770.8	1590.6	3448.9	4903.2	4939.5	4631.9	4001.5	2378.1
65°	386.4	373.3	330.9	358.6	608.7	2058.9	4164.7	4261.7	4434.9	3850.0	2268.0
67.5°	344.5	331.9	282.4	264.7	305.6	726.4	3021.1	3110.5	3708.6	3566.1	2089.7
70°	315.7	304.6	255.1	227.3	229.3	321.8	1581.5	1757.3	2718.0	2976.1	1781.0
72.5°	287.9	278.3	233.4	200.0	193.0	212.7	539.0	650.1	1690.6	2169.0	1328.0
75°	258.6	249.5	210.1	179.3	165.7	157.6	256.6	276.3	894.1	1197.6	712.7
77.5°	224.8	219.7	187.4	158.1	146.5	119.2	170.7	179.3	382.9	470.3	339.4
80°	195.5	191.4	167.2	143.5	131.3	91.9	117.7	123.8	188.9	234.9	189.9
82.5°	127.3	137.4	138.4	123.2	115.7	73.7	77.8	82.3	125.3	138.4	82.8
85°	52.5	63.6	95.5	84.9	80.3	62.6	51.5	52.5	76.8	80.8	29.8
87.5°	23.7	26.3	47.0	47.5	41.4	23.7	25.8	28.3	39.4	38.9	13.1
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°	1545.7	1545.7	1545.7	1545.7	1545.7	1545.7	1545.7	1545.7	1545.7	1545.7	1545.7
2.5°	1544.1	1520.9	1479.5	1426.4	1388.6	1360.8	1330.5	1308.3	1283.5	1261.8	1265.3
5°	1540.6	1495.7	1402.7	1304.2	1208.2	1129.4	1063.8	1015.3	965.3	945.6	943.1
7.5°	1543.6	1467.4	1314.8	1153.7	1007.7	907.2	830.9	785.0	756.2	739.5	740.5
10°	1542.6	1440.6	1219.9	997.6	838.0	746.1	699.6	684.4	681.9	683.9	687.0
12.5°	1544.1	1404.2	1113.3	857.2	716.3	669.3	671.3	684.9	693.5	699.1	702.6
15°	1550.7	1374.4	1004.2	746.6	652.6	654.1	675.8	697.1	709.7	715.8	718.8
17.5°	1560.3	1337.0	907.2	662.7	625.8	649.1	677.4	700.1	709.7	713.2	715.8
20°	1561.3	1294.1	809.2	605.1	608.2	638.5	663.2	681.4	693.5	697.6	699.6
22.5°	1556.8	1236.0	708.7	563.2	588.0	618.3	639.5	660.2	644.0	630.9	627.4
25°	1537.6	1162.8	622.8	528.9	562.7	591.0	615.2	592.5	584.9	574.8	575.8
27.5°	1496.2	1071.4	542.0	496.5	532.9	573.3	555.6	552.6	543.0	532.9	532.9
30°	1441.6	974.9	474.3	462.7	497.0	517.2	521.3	516.7	511.2	498.0	499.1
32.5°	1392.6	872.8	426.3	434.4	474.3	474.3	492.0	492.0	471.8	434.9	434.9
35°	1344.1	776.9	391.0	410.7	436.9	445.5	469.8	437.9	409.1	392.5	391.5
37.5°	1306.2	695.0	367.7	390.5	400.6	422.3	422.8	399.5	390.0	374.8	373.3
40°	1284.0	626.3	353.6	380.4	381.4	401.6	368.2	374.8	372.8	361.2	359.6
42.5°	1271.9	573.3	343.0	371.8	366.7	347.0	341.0	352.1	355.6	349.5	347.0
45°	1262.3	531.9	334.4	342.0	355.1	319.2	316.7	325.3	332.9	332.4	330.3
47.5°	1257.2	503.1	326.8	323.3	325.8	302.6	297.5	301.6	311.2	317.2	316.7
50°	1237.5	480.9	315.7	304.1	287.9	287.9	285.4	285.4	297.0	309.1	310.1
52.5°	1202.7	454.6	299.5	285.9	267.2	275.3	276.3	274.3	286.4	299.5	300.5
55°	1164.3	434.9	277.8	269.2	250.0	263.7	268.2	266.2	274.3	283.4	282.9
57.5°	1164.8	434.4	259.1	252.6	233.9	249.0	260.1	260.6	260.1	266.7	266.7
60°	1194.1	444.5	244.5	230.3	215.2	233.4	251.5	251.5	248.0	257.6	258.6
62.5°	1202.7	443.5	235.4	209.1	198.5	219.2	238.9	242.0	239.4	253.1	254.6
65°	1126.9	419.8	226.3	189.9	183.4	203.6	223.3	231.8	229.3	247.0	249.0
67.5°	1021.9	388.9	212.1	172.7	167.7	188.4	207.1	216.2	215.7	238.9	239.9
70°	880.9	351.1	194.5	155.1	152.5	170.7	187.4	197.0	201.5	228.3	227.8
72.5°	682.4	301.0	167.7	136.4	135.9	152.5	167.2	177.8	186.4	212.1	212.1
75°	440.0	236.9	136.9	118.2	116.2	131.8	147.0	159.1	185.4	226.3	225.8
77.5°	268.7	180.8	110.1	98.5	98.0	112.1	127.3	148.0	202.6	201.5	196.0
80°	161.1	129.8	87.9	78.8	78.8	91.9	108.6	158.6	168.2	191.9	181.3
82.5°	83.8	79.8	65.7	58.1	60.6	72.2	99.0	126.8	137.4	116.7	107.1
85°	34.3	42.4	40.4	36.9	38.4	50.0	95.5	101.5	81.3	85.4	85.9
87.5°	11.6	18.7	18.7	14.6	16.2	35.4	56.6	33.8	40.9	24.2	18.2
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)