

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: P674396

Luminaire Tested: **CCP-SA-1E-730-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674396
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-730-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

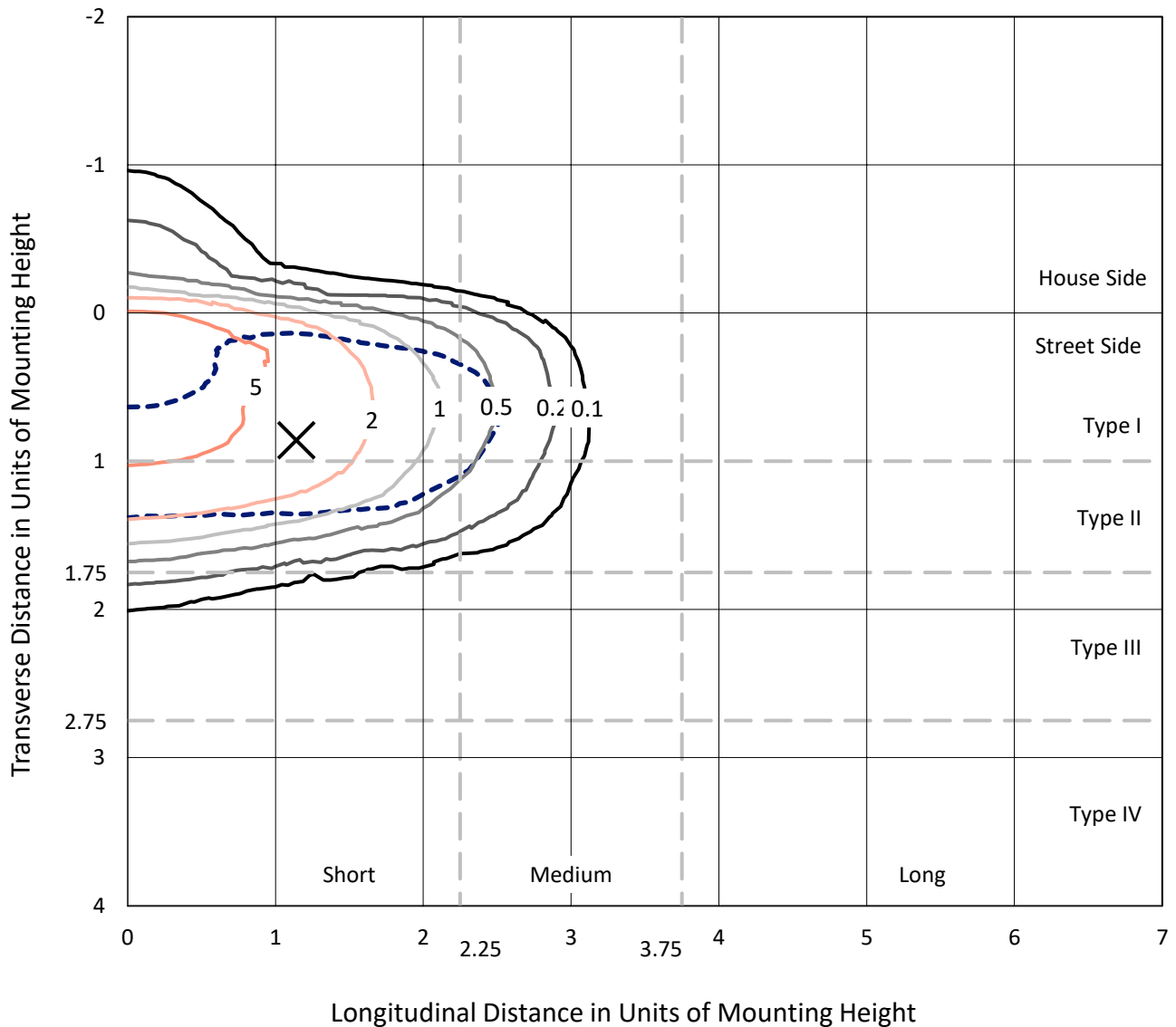
Lumens per Lamp: N/A
Luminaire Lumens: 5162.8 lumens
Efficiency: N/A
Efficacy: 92.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (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

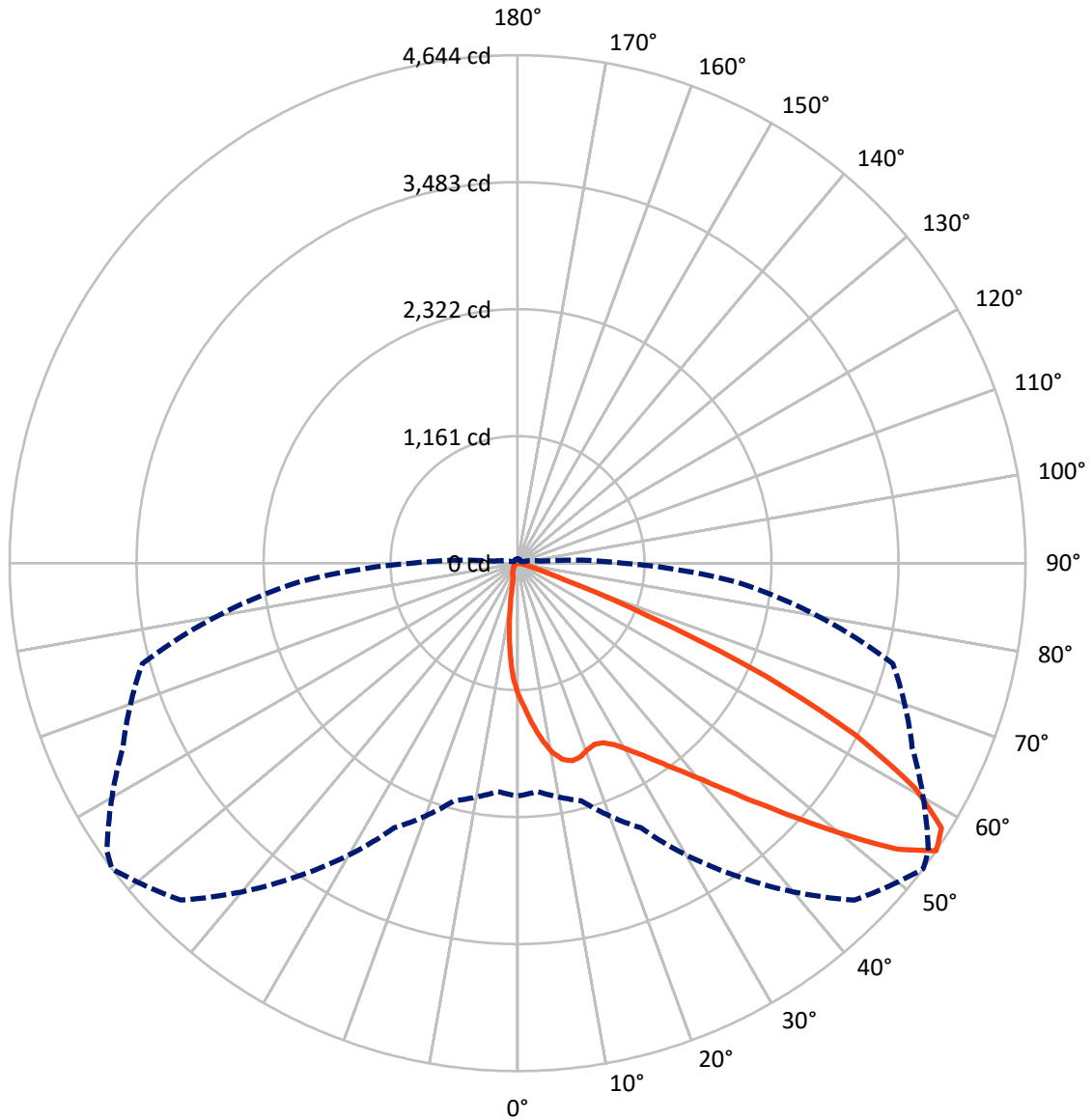
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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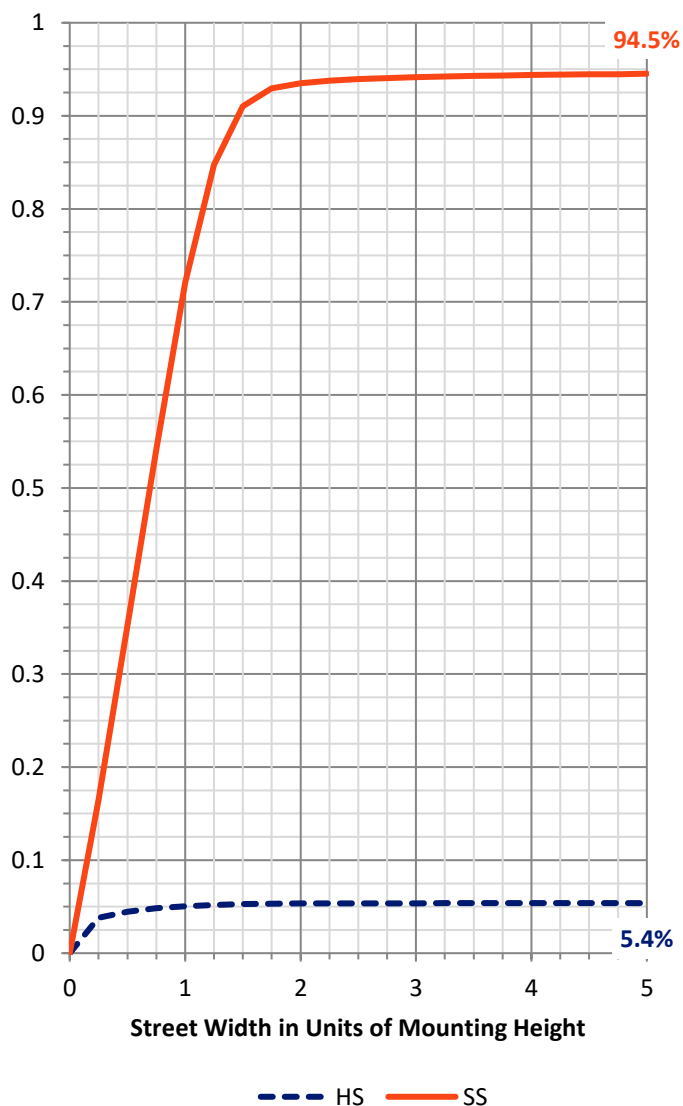
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	279.1	0.0	279.1
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	4883.7	0.0	4883.7
	% Fixture	94.6	0.0	94.6
Total	Lumens	5162.8	0.0	5162.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.0	2.1
10°-20°	282.3	5.5
20°-30°	472.4	9.2
30°-40°	772.9	15.0
40°-50°	1242.4	24.1
50°-60°	1402.7	27.2
60°-70°	748.2	14.5
70°-80°	122.9	2.4
80°-90°	11.0	0.2
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°	5162.8	100.0
0°-180°	5162.8	100.0



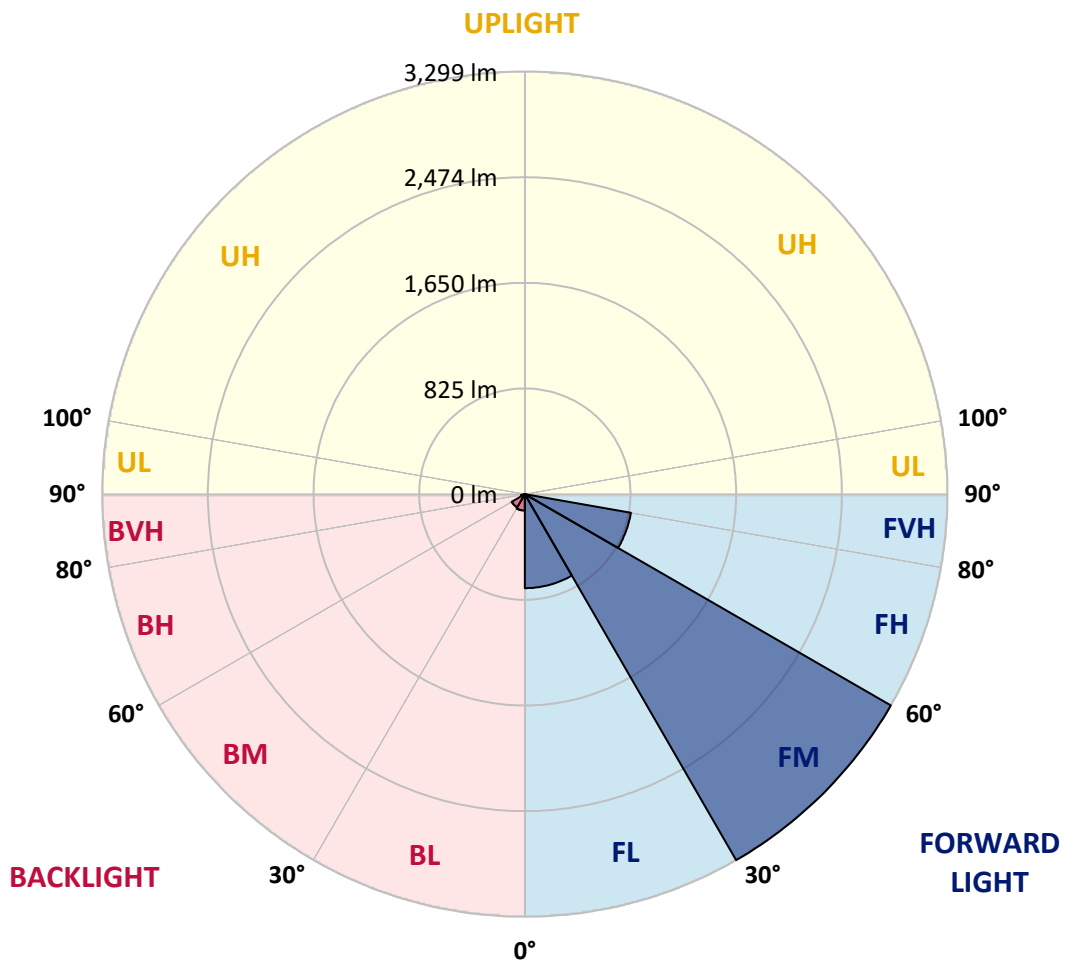
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	733.9	14.2			
FM (30°-60°)	3299.1	63.9			
FH (60°-80°)	840.6	16.3			G1/1800
FVH (80°-90°)	10.1	0.2			G1/100
BL (0°-30°)	128.8	2.5	B1/500		
BM (30°-60°)	118.9	2.3	B0/220		
BH (60°-80°)	30.5	0.6	B0/110		G0/110
BVH (80°-90°)	0.9	0.0			G0/10
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°	53°	55°	65°	75°	85°
0°	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2
2.5°	1448.9	1440.3	1445.2	1432.1	1408.2	1378.3	1333.5	1335.8	1300.5	1269.7	1227.2
5°	1688.2	1679.1	1676.4	1642.9	1609.4	1555.6	1489.1	1478.3	1413.6	1335.3	1246.2
7.5°	1814.4	1806.7	1812.5	1800.3	1767.3	1718.5	1634.3	1626.2	1526.2	1407.7	1276.5
10°	1756.5	1753.7	1778.6	1807.6	1834.3	1828.4	1761.0	1748.3	1636.1	1487.3	1307.7
12.5°	1600.8	1609.4	1641.1	1694.5	1776.8	1854.2	1843.3	1845.6	1748.3	1573.7	1342.1
15°	1509.5	1519.9	1538.0	1565.6	1666.9	1804.4	1874.5	1897.1	1856.0	1670.1	1382.8
17.5°	1501.8	1510.4	1513.1	1523.5	1582.8	1724.3	1861.9	1904.8	1951.9	1761.0	1428.5
20°	1561.0	1564.7	1562.4	1554.7	1576.0	1680.9	1822.0	1883.6	2031.0	1857.8	1468.8
22.5°	1672.8	1667.3	1660.6	1632.1	1630.7	1693.1	1800.3	1864.6	2078.1	1937.8	1495.5
25°	1811.2	1799.9	1790.4	1750.1	1731.1	1756.9	1819.8	1871.4	2120.6	2015.7	1514.5
27.5°	1962.3	1965.9	1942.4	1888.1	1858.2	1852.8	1879.9	1918.4	2161.8	2085.3	1524.9
30°	2123.8	2125.6	2094.8	2038.7	2011.6	1976.7	1974.9	1998.0	2206.1	2165.4	1534.8
32.5°	2307.9	2312.8	2262.6	2204.3	2156.8	2111.5	2089.4	2108.8	2285.7	2269.9	1555.2
35°	2573.8	2552.1	2484.3	2396.1	2328.7	2269.4	2235.5	2248.2	2391.5	2395.2	1595.9
37.5°	2848.0	2845.7	2770.6	2643.5	2533.1	2459.4	2401.5	2422.3	2540.4	2563.0	1661.0
40°	3103.5	3109.4	3044.3	2933.5	2791.4	2664.8	2602.8	2616.8	2738.0	2766.5	1740.2
42.5°	3270.5	3267.3	3272.3	3240.6	3098.1	2948.8	2855.7	2863.3	2967.8	2982.8	1839.2
45°	3347.4	3335.1	3377.7	3478.1	3421.5	3264.6	3158.3	3148.8	3206.2	3202.2	1929.3
47.5°	3280.9	3258.2	3355.9	3598.0	3707.4	3659.9	3507.9	3490.7	3441.9	3409.3	2022.9
50°	2950.2	2940.2	3149.2	3541.0	3887.0	4025.4	3913.7	3849.9	3652.2	3562.2	2072.2
52.5°	2635.8	2608.2	2749.4	3250.1	3806.9	4319.4	4342.5	4229.0	3826.8	3606.1	2055.5
55°	2129.2	2095.3	2249.1	2670.2	3489.8	4357.0	4643.8	4584.5	3979.7	3551.8	2021.5
57.5°	1293.3	1259.8	1486.0	1912.5	2791.0	4044.9	4569.6	4629.8	4097.3	3492.1	1999.4
60°	543.7	522.5	611.1	912.8	1782.2	3324.3	4176.1	4326.2	4119.5	3410.2	2008.4
62.5°	282.7	273.2	278.2	365.5	720.6	2188.9	3475.8	3737.3	3896.0	3374.0	2017.5
65°	212.1	204.9	189.1	200.8	280.0	946.3	2497.9	2848.0	3411.6	3282.2	1956.4
67.5°	174.2	167.4	156.1	152.4	165.1	328.4	1275.2	1730.2	2673.4	2890.9	1737.5
70°	138.9	136.6	133.0	126.2	123.9	159.2	457.3	705.2	1767.8	2038.7	1259.3
72.5°	115.8	116.3	112.2	106.3	98.2	102.7	182.3	241.1	855.4	977.5	527.4
75°	96.8	96.8	98.2	90.0	81.9	70.6	101.3	117.6	274.6	225.7	112.6
77.5°	76.0	76.9	82.8	76.0	65.6	44.3	55.2	62.9	81.4	65.1	41.2
80°	60.6	59.7	57.4	68.3	58.8	31.2	26.2	29.0	38.0	31.2	20.4
82.5°	42.5	42.1	40.3	46.1	45.7	23.1	17.2	17.6	23.1	19.9	12.7
85°	10.4	12.2	25.8	21.7	19.0	13.6	10.4	11.3	14.9	13.1	6.8
87.5°	4.5	4.5	11.8	14.0	9.0	5.9	4.5	5.0	7.7	7.7	4.1
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°	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2	1208.2
2.5°	1212.3	1182.9	1145.8	1106.4	1066.2	1017.8	987.0	961.7	941.8	926.4	921.0
5°	1216.8	1160.3	1076.1	971.6	865.3	765.8	688.9	631.9	584.9	559.1	547.8
7.5°	1216.4	1141.3	989.3	814.2	641.4	498.0	396.3	333.4	291.3	274.1	263.7
10°	1215.9	1116.4	890.2	639.6	428.8	288.6	212.6	177.3	161.9	156.1	155.2
12.5°	1229.0	1087.9	779.4	470.9	269.1	179.6	147.9	139.8	136.2	134.3	133.9
15°	1236.3	1061.7	662.7	332.5	181.4	142.0	132.1	128.5	127.1	126.2	125.8
17.5°	1243.9	1020.9	551.9	240.6	145.2	128.9	123.0	120.8	119.9	119.9	119.9
20°	1245.3	977.1	441.9	177.3	128.9	120.3	114.4	112.2	110.8	109.9	109.9
22.5°	1235.4	925.0	347.4	143.8	119.4	112.2	105.8	102.2	100.0	99.5	99.5
25°	1210.5	851.3	266.4	126.2	111.7	104.0	96.3	92.3	90.5	90.5	90.5
27.5°	1174.7	764.5	205.8	112.2	101.8	94.1	87.3	83.7	83.2	82.8	83.2
30°	1134.0	680.8	157.4	99.5	90.0	83.7	78.3	76.4	77.4	77.4	77.8
32.5°	1093.3	597.1	123.0	89.6	79.6	74.2	71.5	71.5	72.8	72.8	72.8
35°	1058.5	515.2	103.1	81.4	72.4	67.9	66.5	67.9	68.8	69.2	69.2
37.5°	1039.0	444.7	90.9	74.2	66.5	62.9	62.4	63.8	65.6	66.9	67.4
40°	1031.8	390.4	83.7	68.8	61.1	58.8	58.4	60.2	63.3	65.6	66.0
42.5°	1032.3	342.4	77.4	63.3	57.4	54.3	54.3	57.0	60.2	62.4	62.4
45°	1035.4	301.3	71.0	57.9	54.3	48.9	49.3	52.9	55.2	57.4	57.4
47.5°	1038.1	268.2	64.2	52.0	47.0	44.3	45.2	47.9	51.1	54.7	54.7
50°	1022.3	244.7	57.4	45.7	41.2	40.3	42.1	44.3	48.9	52.5	52.9
52.5°	984.3	223.5	51.6	40.7	37.1	37.5	39.8	41.2	44.8	45.2	45.7
55°	967.6	212.6	47.0	37.1	33.9	35.3	36.6	37.1	36.2	33.9	33.9
57.5°	963.9	205.4	42.5	33.5	31.2	33.0	32.6	29.9	27.1	24.4	24.0
60°	967.6	195.4	38.9	29.0	28.5	29.0	27.6	22.6	19.0	17.2	16.3
62.5°	946.8	180.9	35.7	24.9	24.9	24.4	20.8	15.4	12.2	10.9	10.4
65°	878.0	152.4	32.6	20.8	20.4	19.5	14.0	10.4	8.1	6.8	6.3
67.5°	742.8	118.1	29.4	17.2	16.3	13.6	9.0	6.8	4.5	4.1	3.6
70°	506.6	73.3	24.9	13.6	12.2	8.6	5.4	4.1	2.7	2.3	1.8
72.5°	183.7	42.5	20.8	10.4	8.1	5.4	3.2	1.8	1.4	1.4	0.9
75°	43.4	29.9	15.8	7.7	5.4	3.2	1.8	1.4	0.9	0.9	0.5
77.5°	19.9	23.1	10.4	4.5	3.6	2.3	1.4	0.9	0.5	0.5	0.0
80°	11.3	16.3	5.0	3.2	2.7	1.8	0.9	0.5	0.5	0.0	0.0
82.5°	5.9	9.0	3.6	2.7	2.3	1.4	0.9	0.0	0.0	0.0	0.0
85°	4.1	4.5	2.7	2.3	1.8	1.4	0.9	0.0	0.0	0.0	0.0
87.5°	3.2	3.2	2.7	2.3	1.8	1.4	0.5	0.0	0.0	0.0	0.0
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)