

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: P674395

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674395
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-730-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

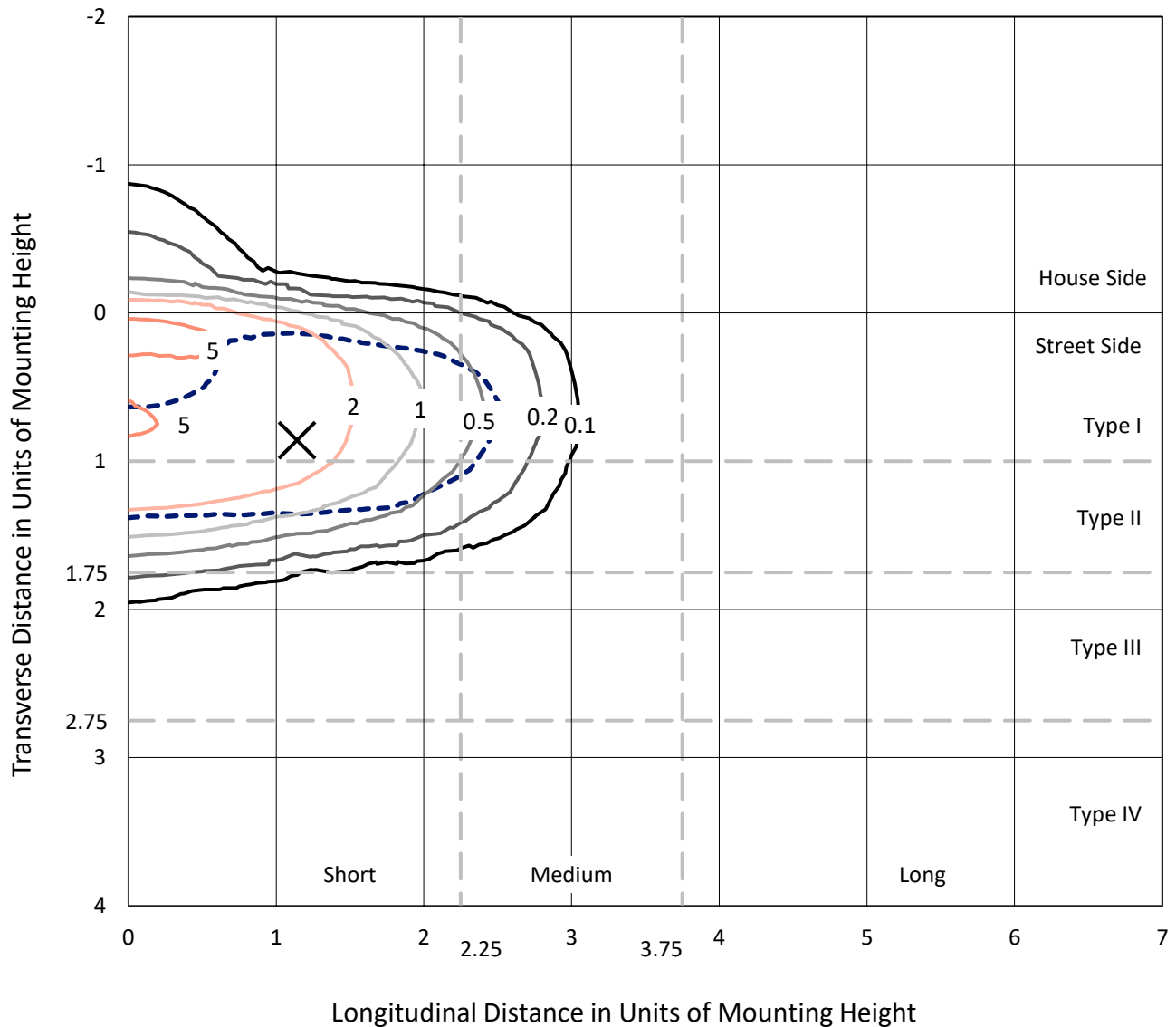
Lumens per Lamp: N/A
Luminaire Lumens: 4211.2 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

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

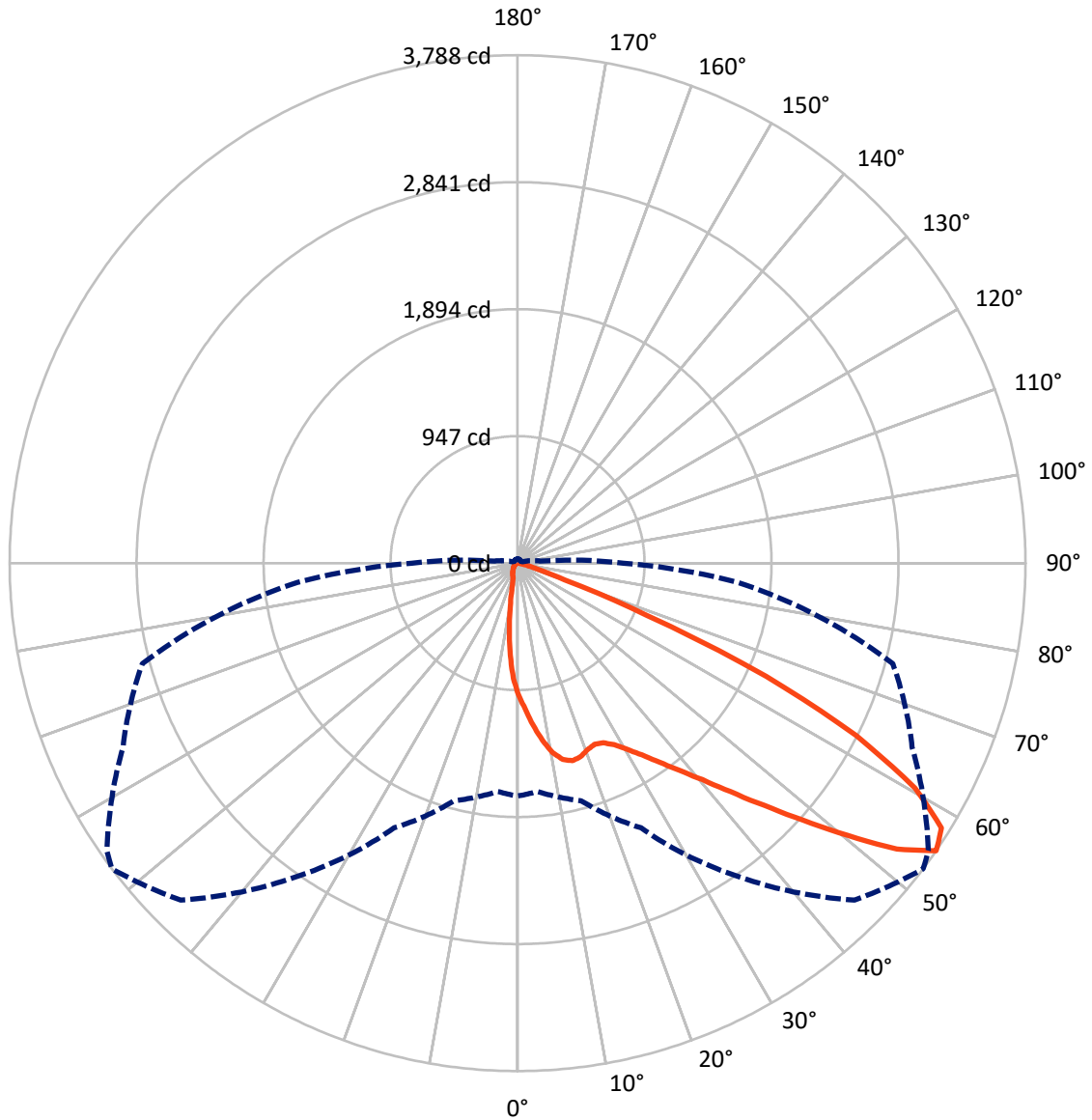
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.4 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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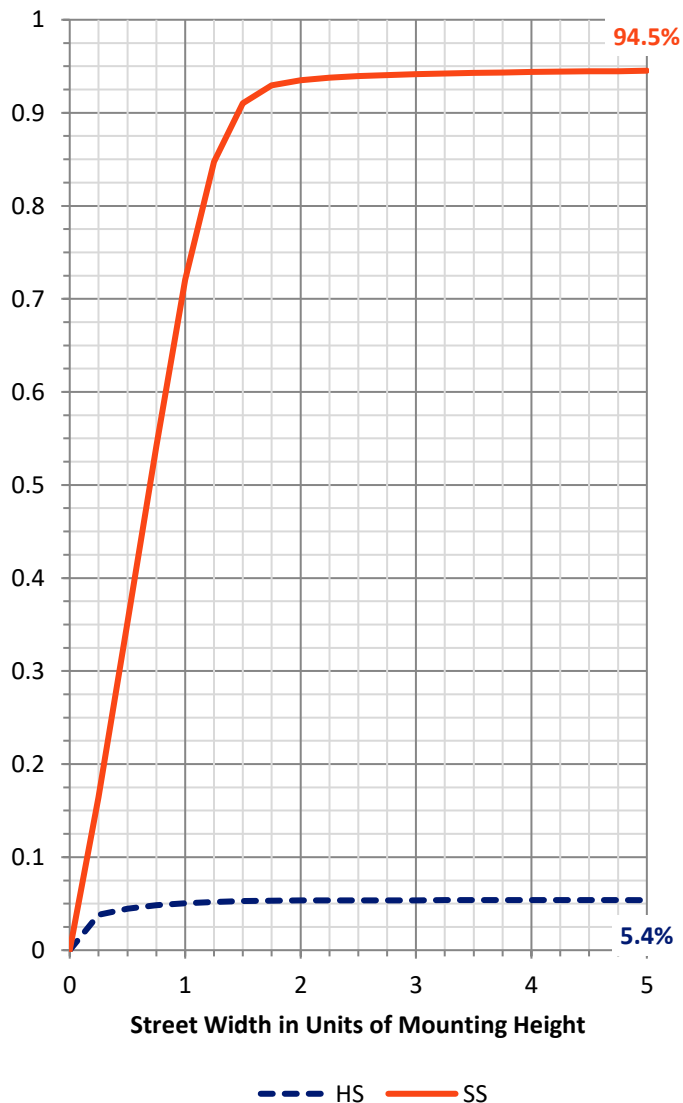
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	227.6	0.0	227.6
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	3983.6	0.0	3983.6
	% Fixture	94.6	0.0	94.6
Total	Lumens	4211.2	0.0	4211.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.1	2.1
10°-20°	230.2	5.5
20°-30°	385.3	9.2
30°-40°	630.4	15.0
40°-50°	1013.4	24.1
50°-60°	1144.2	27.2
60°-70°	610.3	14.5
70°-80°	100.3	2.4
80°-90°	9.0	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°	4211.2	100.0
0°-180°	4211.2	100.0



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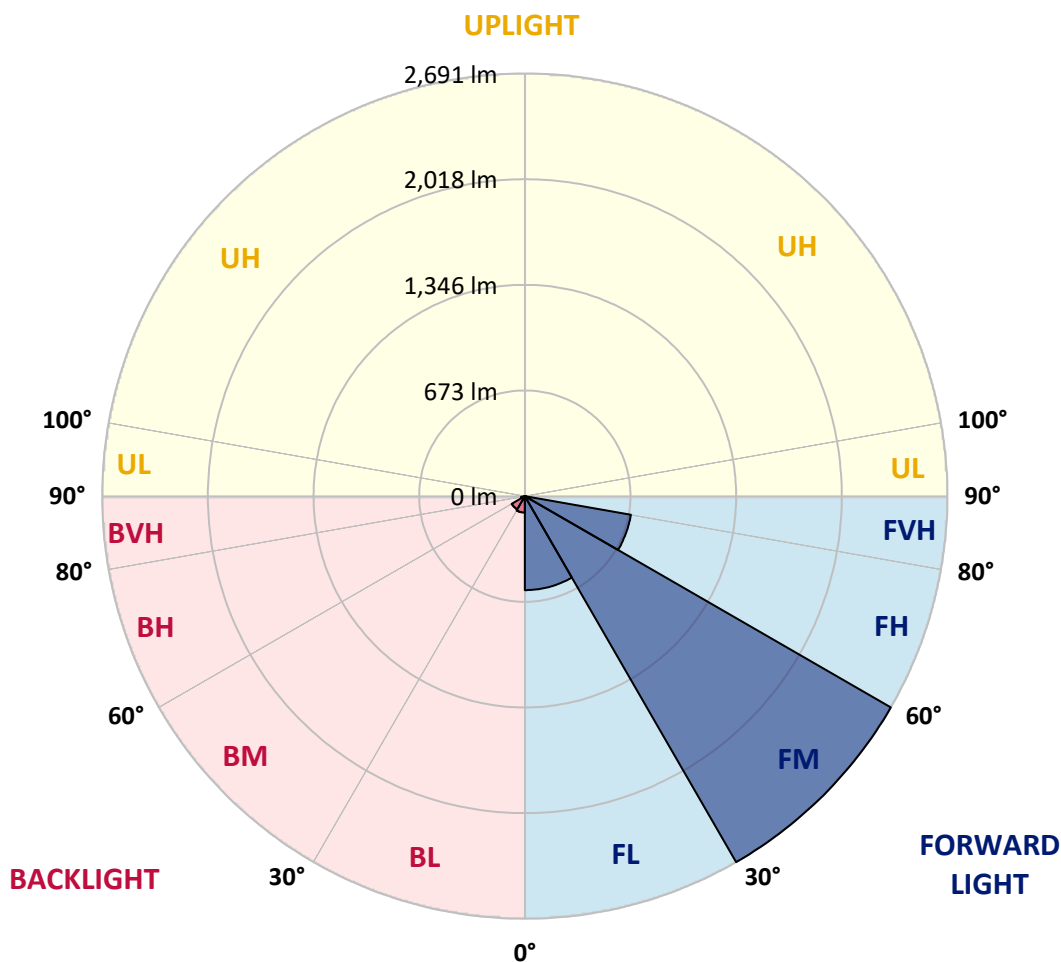
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	598.7	14.2			
FM (30°-60°)	2691.0	63.9			
FH (60°-80°)	685.7	16.3			G1/1800
FVH (80°-90°)	8.2	0.2			G0/10
BL (0°-30°)	105.0	2.5	B0/110		
BM (30°-60°)	97.0	2.3	B0/220		
BH (60°-80°)	24.9	0.6	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	985.5	985.5	985.5	985.5	985.5	985.5	985.5	985.5	985.5	985.5	985.5
2.5°	1181.8	1174.8	1178.9	1168.2	1148.6	1124.3	1087.7	1089.6	1060.8	1035.7	1001.0
5°	1377.0	1369.6	1367.4	1340.1	1312.8	1268.9	1214.7	1205.8	1153.0	1089.2	1016.5
7.5°	1480.0	1473.7	1478.5	1468.5	1441.6	1401.7	1333.1	1326.5	1244.9	1148.2	1041.2
10°	1432.7	1430.5	1450.8	1474.4	1496.2	1491.4	1436.4	1426.1	1334.6	1213.2	1066.7
12.5°	1305.8	1312.8	1338.6	1382.2	1449.3	1512.4	1503.6	1505.4	1426.1	1283.7	1094.7
15°	1231.3	1239.7	1254.5	1277.0	1359.7	1471.8	1529.0	1547.5	1513.9	1362.2	1128.0
17.5°	1225.0	1232.0	1234.2	1242.7	1291.0	1406.5	1518.7	1553.7	1592.1	1436.4	1165.2
20°	1273.3	1276.3	1274.4	1268.2	1285.5	1371.1	1486.2	1536.4	1656.7	1515.4	1198.1
22.5°	1364.5	1360.0	1354.5	1331.3	1330.1	1381.1	1468.5	1520.9	1695.1	1580.7	1219.8
25°	1477.4	1468.1	1460.4	1427.6	1412.1	1433.1	1484.4	1526.4	1729.7	1644.1	1235.3
27.5°	1600.6	1603.6	1584.4	1540.1	1515.7	1511.3	1533.5	1564.8	1763.3	1701.0	1243.8
30°	1732.3	1733.8	1708.7	1663.0	1640.8	1612.4	1610.9	1629.8	1799.5	1766.3	1251.9
32.5°	1882.5	1886.6	1845.6	1798.0	1759.3	1722.4	1704.3	1720.2	1864.4	1851.5	1268.5
35°	2099.5	2081.7	2026.4	1954.5	1899.5	1851.1	1823.5	1833.8	1950.8	1953.7	1301.7
37.5°	2323.1	2321.2	2260.0	2156.3	2066.2	2006.1	1958.9	1975.9	2072.2	2090.6	1354.9
40°	2531.5	2536.3	2483.2	2392.8	2276.9	2173.6	2123.1	2134.5	2233.4	2256.6	1419.4
42.5°	2667.7	2665.1	2669.2	2643.3	2527.1	2405.3	2329.3	2335.6	2420.8	2433.0	1500.2
45°	2730.4	2720.4	2755.1	2837.0	2790.9	2662.9	2576.2	2568.4	2615.3	2612.0	1573.7
47.5°	2676.2	2657.7	2737.4	2934.8	3024.1	2985.4	2861.4	2847.4	2807.5	2781.0	1650.0
50°	2406.4	2398.3	2568.8	2888.3	3170.6	3283.5	3192.4	3140.3	2979.1	2905.7	1690.3
52.5°	2150.0	2127.5	2242.6	2651.1	3105.3	3523.3	3542.1	3449.5	3121.5	2941.5	1676.6
55°	1736.8	1709.1	1834.5	2178.0	2846.6	3553.9	3787.9	3739.5	3246.2	2897.2	1648.9
57.5°	1054.9	1027.6	1212.1	1560.0	2276.6	3299.4	3727.4	3776.4	3342.2	2848.5	1630.9
60°	443.5	426.2	498.5	744.6	1453.8	2711.6	3406.4	3528.9	3360.2	2781.7	1638.2
62.5°	230.6	222.9	226.9	298.1	587.8	1785.5	2835.2	3048.5	3178.0	2752.2	1645.6
65°	173.0	167.1	154.2	163.8	228.4	771.9	2037.5	2323.1	2782.8	2677.3	1595.8
67.5°	142.1	136.5	127.3	124.3	134.7	267.9	1040.1	1411.3	2180.6	2358.1	1417.2
70°	113.3	111.4	108.5	102.9	101.1	129.9	373.0	575.2	1441.9	1663.0	1027.2
72.5°	94.5	94.8	91.5	86.7	80.1	83.8	148.7	196.7	697.7	797.4	430.2
75°	79.0	79.0	80.1	73.4	66.8	57.6	82.6	95.9	224.0	184.1	91.9
77.5°	62.0	62.7	67.5	62.0	53.5	36.2	45.0	51.3	66.4	53.1	33.6
80°	49.4	48.7	46.9	55.7	48.0	25.5	21.4	23.6	31.0	25.5	16.6
82.5°	34.7	34.3	32.8	37.6	37.3	18.8	14.0	14.4	18.8	16.2	10.3
85°	8.5	10.0	21.0	17.7	15.5	11.1	8.5	9.2	12.2	10.7	5.5
87.5°	3.7	3.7	9.6	11.4	7.4	4.8	3.7	4.1	6.3	6.3	3.3
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°	985.5	985.5	985.5	985.5	985.5	985.5	985.5	985.5	985.5	985.5	985.5
2.5°	988.8	964.9	934.6	902.5	869.7	830.2	805.1	784.4	768.2	755.7	751.2
5°	992.5	946.4	877.8	792.6	705.8	624.7	561.9	515.5	477.1	456.1	446.8
7.5°	992.2	930.9	806.9	664.2	523.2	406.2	323.2	271.9	237.6	223.6	215.1
10°	991.8	910.6	726.1	521.7	349.8	235.4	173.4	144.6	132.1	127.3	126.6
12.5°	1002.5	887.4	635.7	384.1	219.5	146.5	120.7	114.0	111.1	109.6	109.2
15°	1008.4	866.0	540.5	271.2	148.0	115.9	107.7	104.8	103.7	102.9	102.6
17.5°	1014.7	832.8	450.1	196.3	118.4	105.2	100.4	98.5	97.8	97.8	97.8
20°	1015.8	797.0	360.5	144.6	105.2	98.1	93.4	91.5	90.4	89.7	89.7
22.5°	1007.7	754.5	283.4	117.3	97.4	91.5	86.3	83.4	81.5	81.2	81.2
25°	987.4	694.4	217.3	102.9	91.1	84.9	78.6	75.3	73.8	73.8	73.8
27.5°	958.2	623.6	167.9	91.5	83.0	76.7	71.2	68.3	67.9	67.5	67.9
30°	925.0	555.3	128.4	81.2	73.4	68.3	63.8	62.4	63.1	63.1	63.5
32.5°	891.8	487.0	100.4	73.1	64.9	60.5	58.3	58.3	59.4	59.4	59.4
35°	863.4	420.3	84.1	66.4	59.0	55.3	54.2	55.3	56.1	56.5	56.5
37.5°	847.5	362.7	74.2	60.5	54.2	51.3	50.9	52.0	53.5	54.6	55.0
40°	841.6	318.4	68.3	56.1	49.8	48.0	47.6	49.1	51.7	53.5	53.9
42.5°	842.0	279.3	63.1	51.7	46.9	44.3	44.3	46.5	49.1	50.9	50.9
45°	844.6	245.7	57.9	47.2	44.3	39.8	40.2	43.2	45.0	46.9	46.9
47.5°	846.8	218.8	52.4	42.4	38.4	36.2	36.9	39.1	41.7	44.6	44.6
50°	833.9	199.6	46.9	37.3	33.6	32.8	34.3	36.2	39.8	42.8	43.2
52.5°	802.9	182.3	42.1	33.2	30.3	30.6	32.5	33.6	36.5	36.9	37.3
55°	789.2	173.4	38.4	30.3	27.7	28.8	29.9	30.3	29.5	27.7	27.7
57.5°	786.3	167.5	34.7	27.3	25.5	26.9	26.6	24.4	22.1	19.9	19.6
60°	789.2	159.4	31.7	23.6	23.2	23.6	22.5	18.4	15.5	14.0	13.3
62.5°	772.3	147.6	29.1	20.3	20.3	19.9	17.0	12.5	10.0	8.9	8.5
65°	716.2	124.3	26.6	17.0	16.6	15.9	11.4	8.5	6.6	5.5	5.2
67.5°	605.9	96.3	24.0	14.0	13.3	11.1	7.4	5.5	3.7	3.3	3.0
70°	413.2	59.8	20.3	11.1	10.0	7.0	4.4	3.3	2.2	1.8	1.5
72.5°	149.8	34.7	17.0	8.5	6.6	4.4	2.6	1.5	1.1	1.1	0.7
75°	35.4	24.4	12.9	6.3	4.4	2.6	1.5	1.1	0.7	0.7	0.4
77.5°	16.2	18.8	8.5	3.7	3.0	1.8	1.1	0.7	0.4	0.4	0.0
80°	9.2	13.3	4.1	2.6	2.2	1.5	0.7	0.4	0.4	0.0	0.0
82.5°	4.8	7.4	3.0	2.2	1.8	1.1	0.7	0.0	0.0	0.0	0.0
85°	3.3	3.7	2.2	1.8	1.5	1.1	0.7	0.0	0.0	0.0	0.0
87.5°	2.6	2.6	2.2	1.8	1.5	1.1	0.4	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)