

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: P674773

Luminaire Tested: **CCP-SA-1F-840-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674773
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-840-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

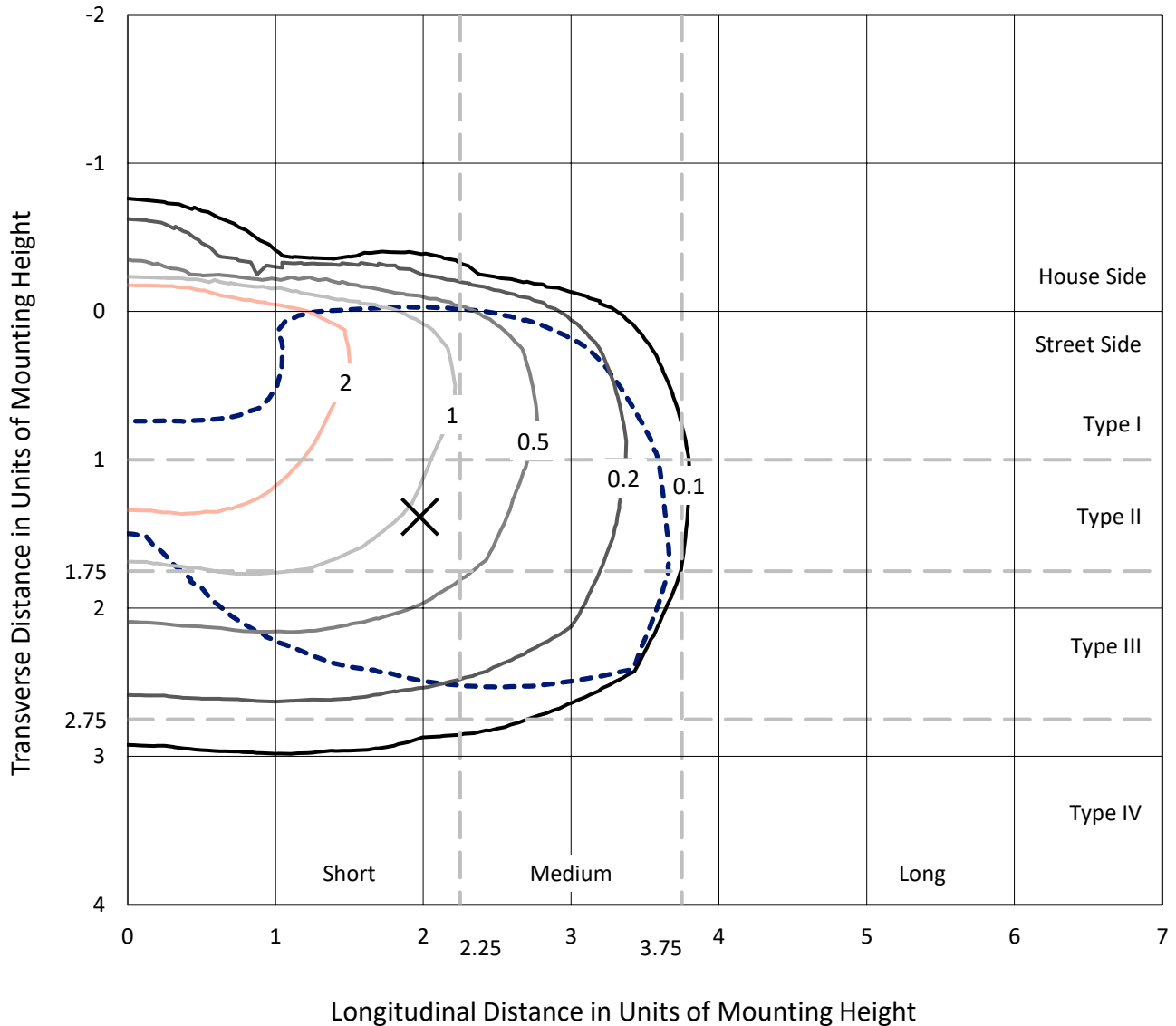
Lumens per Lamp: N/A
Luminaire Lumens: 5069.9 lumens
Efficiency: N/A
Efficacy: 75.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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

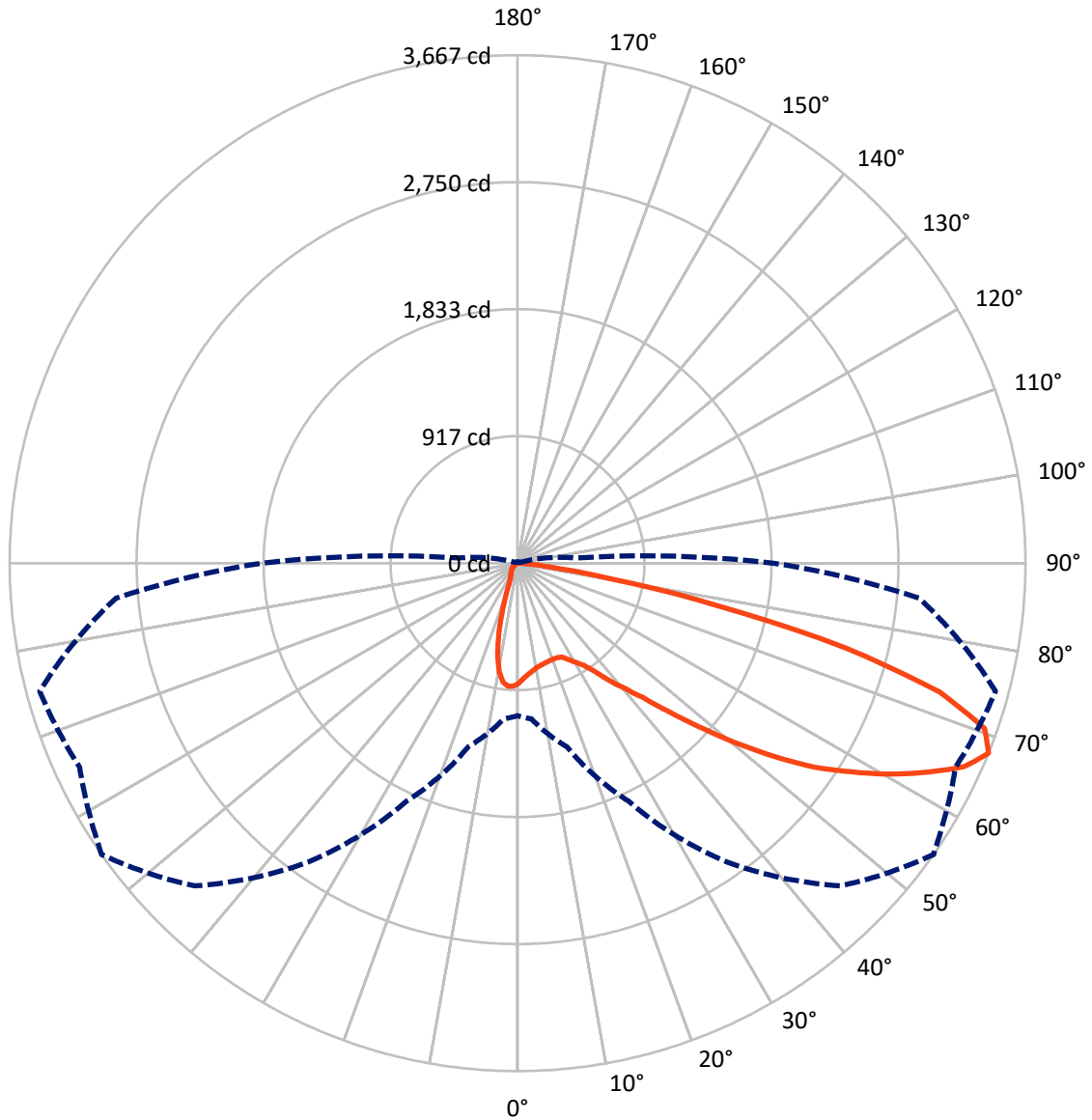
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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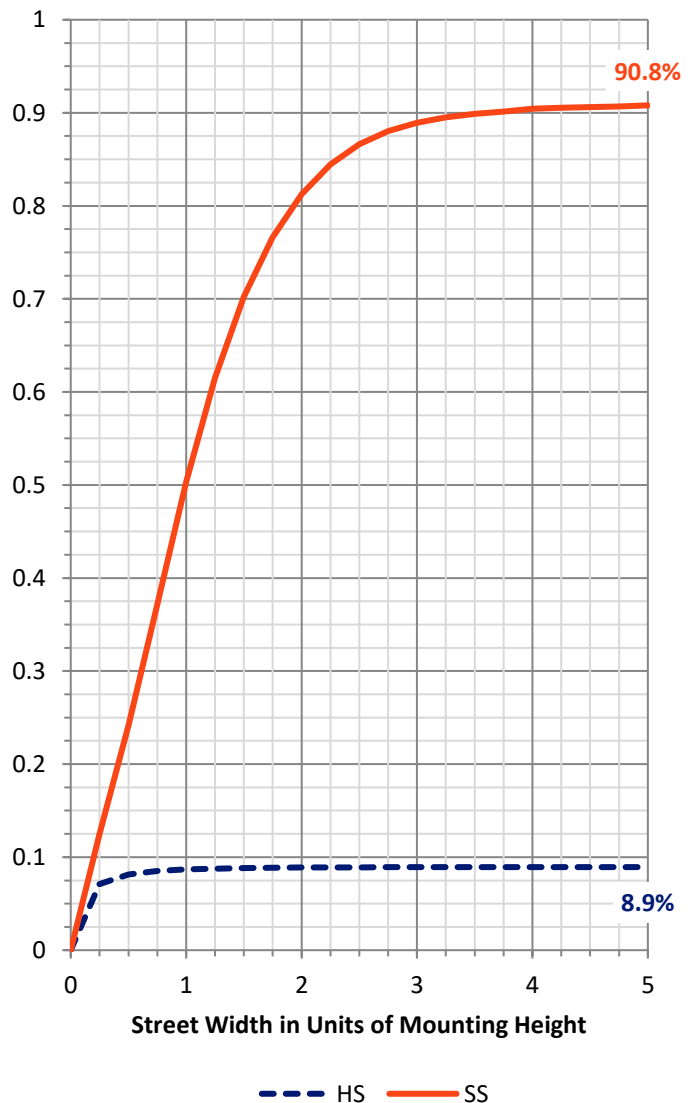
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	455.5	0.0	455.5
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4614.4	0.0	4614.4
	% Fixture	91.0	0.0	91.0
Total	Lumens	5069.9	0.0	5069.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.3	1.5
10°-20°	173.6	3.4
20°-30°	278.5	5.5
30°-40°	483.1	9.5
40°-50°	805.5	15.9
50°-60°	1177.9	23.2
60°-70°	1373.5	27.1
70°-80°	666.6	13.1
80°-90°	34.9	0.7
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°	5069.9	100.0
0°-180°	5069.9	100.0



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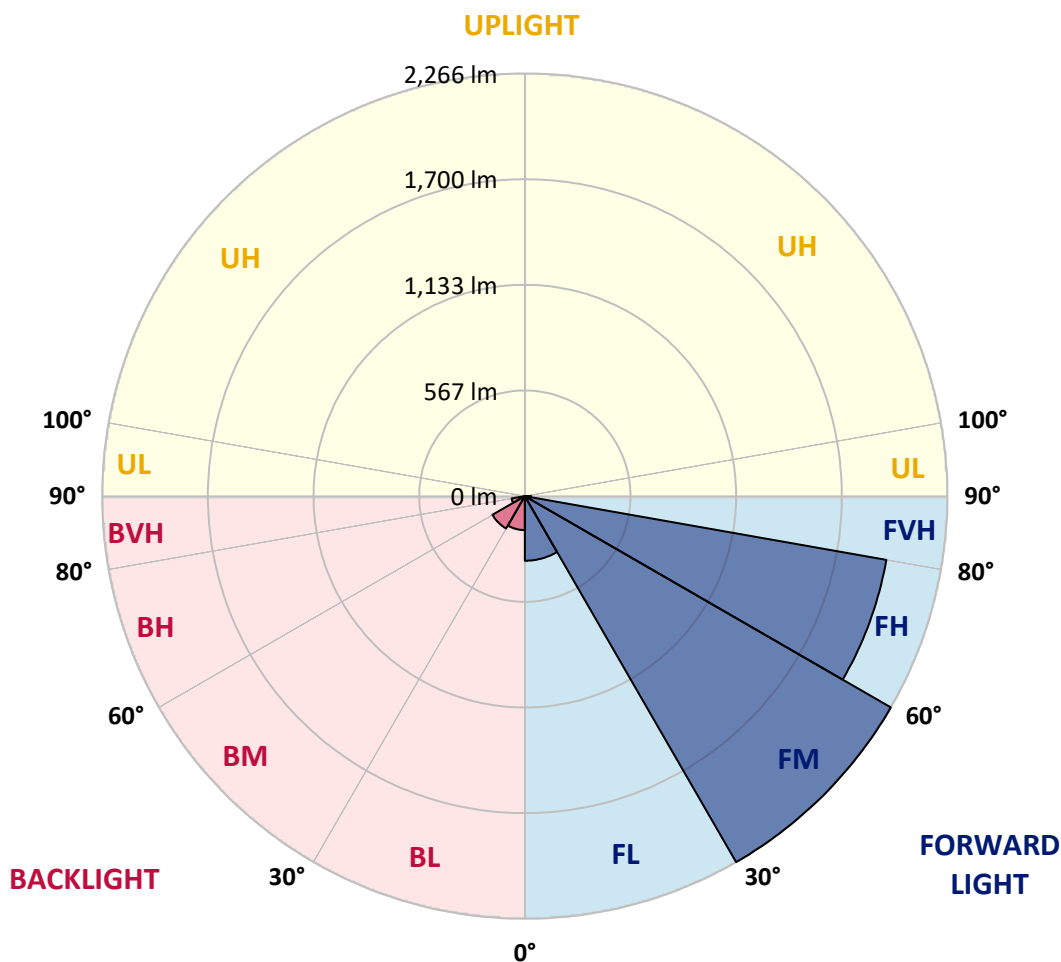
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	346.3	6.8			
FM (30°-60°)	2266.1	44.7			
FH (60°-80°)	1968.2	38.8			G2/5000
FVH (80°-90°)	33.8	0.7			G1/100
BL (0°-30°)	182.1	3.6	B1/500		
BM (30°-60°)	200.5	4.0	B0/220		
BH (60°-80°)	71.8	1.4	B0/110		G0/110
BVH (80°-90°)	1.0	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-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	868.8	868.8	868.8	868.8	868.8	868.8	868.8	868.8	868.8	868.8	868.8
2.5°	802.0	807.2	813.7	816.0	824.0	835.2	831.9	829.6	842.2	859.5	865.1
5°	752.0	752.5	762.8	770.3	783.8	794.6	806.2	805.3	828.2	857.6	876.3
7.5°	703.0	703.9	714.7	726.4	746.0	767.0	784.7	783.8	820.7	860.0	895.5
10°	638.5	643.2	656.3	676.8	707.7	740.8	765.6	767.9	812.3	868.8	921.6
12.5°	586.7	589.0	603.5	630.1	666.6	710.0	756.3	754.9	814.2	885.2	955.7
15°	564.7	563.3	572.2	591.8	633.4	688.1	746.9	750.2	820.7	903.9	991.2
17.5°	569.9	568.5	573.1	580.2	609.6	669.8	741.8	747.4	831.0	923.5	1024.4
20°	626.9	617.1	608.6	601.2	605.4	654.9	738.5	744.6	837.1	938.4	1059.4
22.5°	736.6	724.5	702.1	660.5	632.9	655.8	739.4	747.4	850.6	962.7	1101.9
25°	915.5	903.9	855.7	770.7	697.9	689.5	752.0	760.5	881.9	999.6	1147.2
27.5°	1152.4	1126.2	1067.8	945.9	805.3	743.2	789.9	799.2	926.3	1028.1	1178.1
30°	1349.0	1342.9	1286.9	1137.4	953.4	822.1	832.4	837.5	946.4	1045.4	1208.9
32.5°	1553.1	1540.5	1489.2	1343.9	1125.3	934.7	880.0	882.4	972.5	1071.1	1253.7
35°	1730.6	1719.0	1676.0	1534.9	1326.1	1086.0	959.0	953.8	1026.7	1127.6	1314.5
37.5°	1895.1	1893.7	1855.8	1712.0	1506.4	1243.0	1075.3	1071.1	1111.3	1189.7	1396.7
40°	2055.8	2052.0	2019.8	1888.5	1683.9	1399.5	1186.0	1175.3	1183.2	1276.6	1505.0
42.5°	2154.3	2162.3	2173.5	2090.3	1894.6	1583.0	1326.1	1319.6	1318.2	1412.5	1647.5
45°	2207.6	2221.6	2287.4	2280.0	2117.9	1811.5	1525.6	1508.8	1503.2	1599.4	1810.5
47.5°	2259.4	2265.5	2373.4	2418.7	2331.8	2049.7	1766.6	1743.3	1720.4	1827.3	2005.3
50°	2262.7	2272.5	2406.1	2516.3	2511.2	2284.2	2037.1	2016.5	1990.4	2104.8	2195.4
52.5°	2216.9	2236.5	2401.9	2578.0	2622.4	2491.1	2317.8	2301.0	2279.5	2365.0	2355.6
55°	1900.7	1933.8	2319.7	2583.6	2700.4	2668.6	2599.9	2576.6	2555.6	2616.3	2512.6
57.5°	1750.3	1769.0	2070.2	2579.4	2799.9	2833.0	2844.7	2834.0	2804.5	2880.2	2676.6
60°	1660.1	1687.2	1951.1	2532.7	2907.3	3018.9	3092.3	3070.8	3034.8	3139.0	2852.2
62.5°	1552.2	1571.8	1832.5	2398.2	2971.3	3208.1	3324.4	3304.8	3230.5	3377.7	2994.2
65°	1353.2	1382.7	1643.8	2186.6	2885.3	3346.9	3543.0	3536.5	3407.6	3558.0	3033.0
67.5°	1101.4	1128.1	1371.4	1896.5	2634.0	3295.0	3666.8	3646.3	3487.9	3571.5	2910.1
70°	826.8	841.3	1024.8	1449.0	2158.1	3018.0	3577.1	3572.9	3366.0	3370.7	2533.1
72.5°	443.8	483.9	681.5	969.7	1517.6	2444.4	3188.0	3171.2	3003.1	2760.6	1821.7
75°	155.1	166.8	362.9	544.7	824.5	1628.4	2451.4	2412.2	2245.9	1795.6	992.6
77.5°	95.3	104.6	161.2	278.4	320.9	706.7	1472.8	1421.9	1314.5	776.3	339.1
80°	65.9	74.3	107.9	145.7	109.3	228.9	677.8	658.6	506.8	185.0	78.0
82.5°	36.9	44.4	81.7	71.5	43.9	59.3	235.0	217.7	135.0	50.0	26.2
85°	21.5	25.7	57.5	50.4	22.4	21.0	61.2	54.7	35.0	18.7	12.6
87.5°	11.2	14.5	42.0	33.6	13.5	7.5	14.0	13.5	8.9	6.5	8.4
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°	868.8	868.8	868.8	868.8	868.8	868.8	868.8	868.8	868.8	868.8	868.8
2.5°	875.4	873.0	885.2	889.4	888.4	886.6	891.2	885.2	884.7	883.3	881.9
5°	891.2	895.0	904.8	904.8	891.7	870.2	857.2	839.4	824.5	815.6	814.2
7.5°	915.1	922.5	929.1	909.0	864.2	810.9	754.4	710.0	671.2	651.2	649.3
10°	948.7	955.7	950.6	893.1	796.9	686.7	594.6	502.1	455.9	430.7	430.7
12.5°	988.9	994.5	963.2	853.4	686.2	526.4	403.6	306.4	260.2	230.3	228.4
15°	1032.3	1033.7	961.3	784.3	549.3	353.6	231.7	170.0	150.4	146.2	145.3
17.5°	1070.2	1064.5	941.7	682.0	395.6	210.7	147.1	133.1	129.4	129.4	129.4
20°	1105.7	1087.0	902.5	562.9	253.6	143.4	126.6	122.9	122.9	123.3	123.3
22.5°	1144.9	1108.0	846.4	430.7	163.0	122.9	118.6	116.8	116.3	117.7	117.2
25°	1191.1	1128.5	766.1	297.6	126.1	114.4	112.6	110.7	110.7	110.7	110.7
27.5°	1216.8	1125.7	674.5	187.8	110.2	106.0	104.2	102.3	100.9	100.4	100.9
30°	1239.2	1109.4	554.9	131.3	99.5	94.8	93.4	91.1	88.3	87.3	87.3
32.5°	1268.7	1095.8	429.7	105.6	90.2	85.0	80.8	77.1	72.4	70.5	70.1
35°	1301.4	1071.1	314.8	93.0	81.7	75.2	68.7	62.6	56.5	54.7	54.2
37.5°	1342.0	1048.7	213.5	85.9	74.7	66.8	57.9	49.5	43.9	43.0	43.0
40°	1397.1	1030.0	147.6	79.9	68.2	58.9	48.1	39.2	35.5	34.6	34.6
42.5°	1472.3	1014.6	111.6	74.7	62.6	50.9	38.8	32.2	29.4	28.5	28.5
45°	1561.1	990.7	94.4	70.1	57.0	43.0	32.2	27.1	25.7	25.7	25.7
47.5°	1662.9	960.8	85.9	65.4	50.9	35.0	27.1	24.8	24.3	24.3	24.8
50°	1765.7	925.3	79.9	59.8	43.9	29.9	24.8	23.4	23.4	23.8	23.8
52.5°	1835.3	869.8	73.8	53.7	36.9	26.2	23.4	22.9	22.4	22.4	22.4
55°	1903.0	821.2	65.4	47.2	30.8	24.3	22.4	22.0	22.0	21.5	21.5
57.5°	1973.5	782.9	54.7	39.2	26.2	22.9	21.5	21.5	20.6	20.1	20.1
60°	2055.3	749.2	42.0	30.8	22.9	21.5	20.1	19.6	18.7	17.8	17.8
62.5°	2079.1	678.2	31.8	24.8	19.6	18.7	18.2	17.3	14.9	13.1	13.5
65°	2017.0	566.6	25.2	19.6	15.9	15.9	14.5	12.1	9.8	8.4	8.4
67.5°	1845.6	423.2	20.6	15.4	12.6	12.1	10.3	8.9	6.1	5.1	5.1
70°	1520.9	279.8	16.8	12.1	10.3	8.4	7.0	6.5	4.7	3.7	3.7
72.5°	1065.9	151.8	14.0	9.8	7.5	5.6	4.7	4.2	3.3	2.8	2.3
75°	562.9	58.4	11.2	7.5	4.7	3.7	2.8	2.8	2.3	1.9	1.9
77.5°	192.9	24.8	7.9	4.2	3.3	2.3	1.9	1.4	1.9	1.4	1.4
80°	45.8	14.5	5.1	2.8	1.9	1.4	1.4	0.9	0.9	0.9	0.9
82.5°	20.1	8.4	3.3	1.9	1.9	1.4	0.9	0.5	0.5	0.5	0.5
85°	13.5	5.1	2.3	1.9	1.4	0.9	0.5	0.5	0.0	0.0	0.0
87.5°	10.7	3.3	1.9	1.9	1.4	0.9	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)