

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: P674751

Luminaire Tested: **CCP-SA-1F-830-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674751
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-830-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

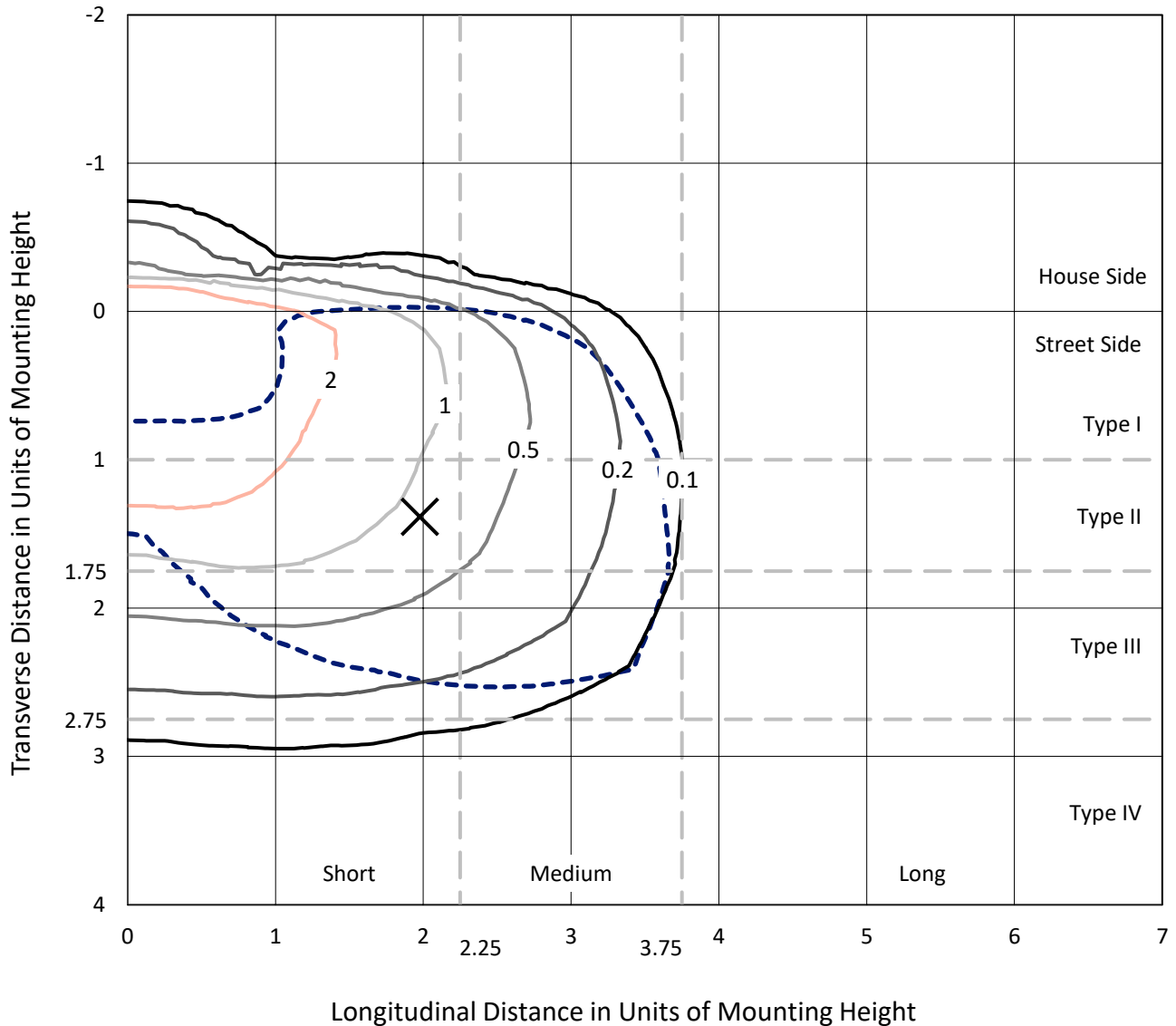
Lumens per Lamp: N/A
Luminaire Lumens: 4725 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

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

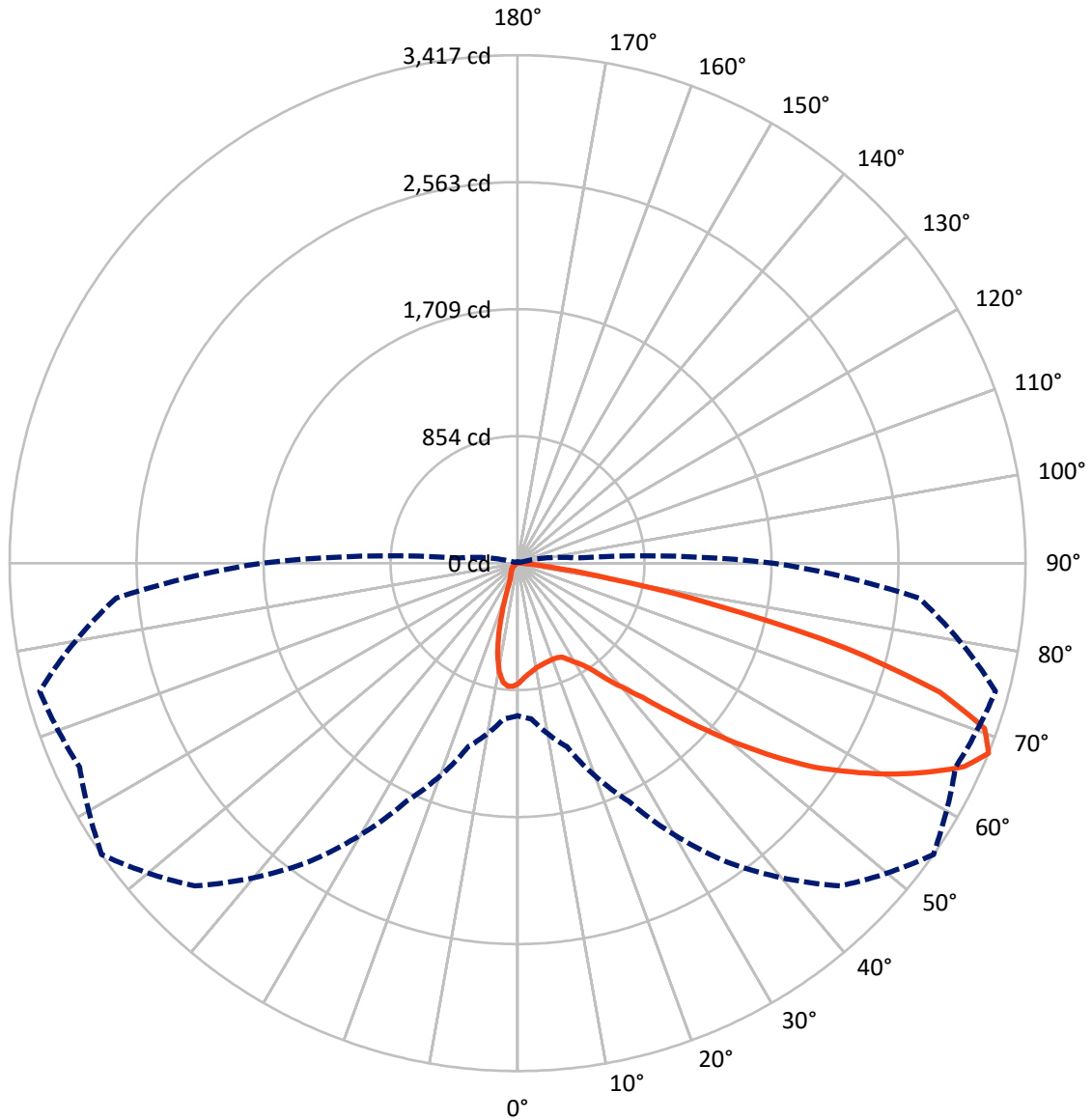
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.9 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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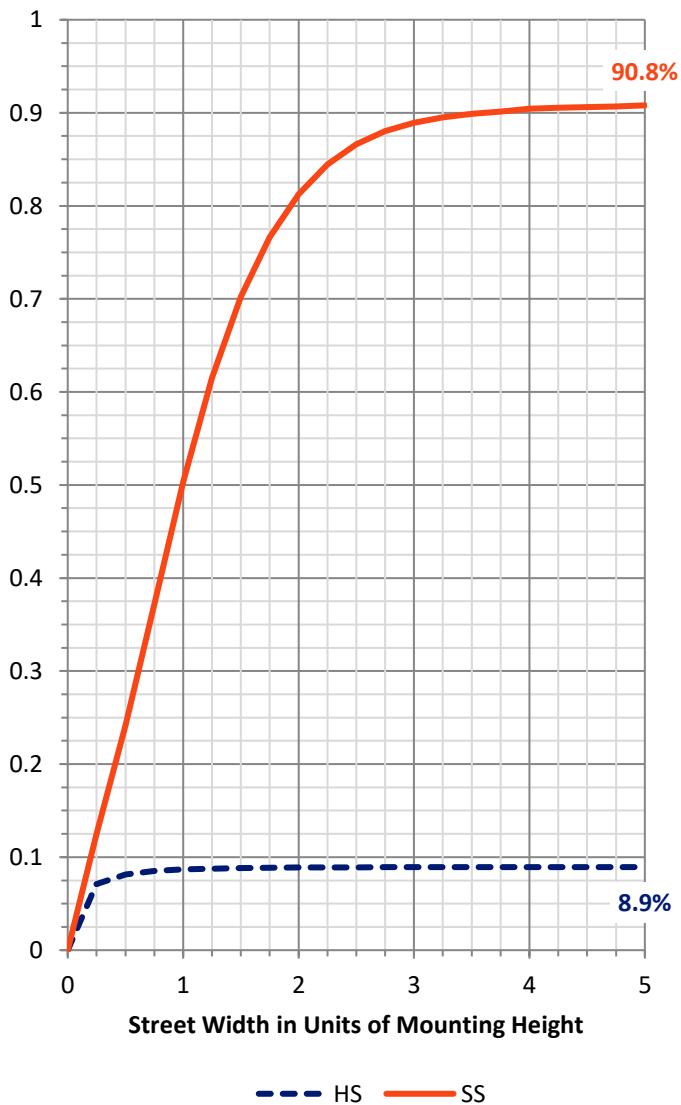
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	424.5	0.0	424.5
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4300.5	0.0	4300.5
	% Fixture	91.0	0.0	91.0
Total	Lumens	4725.0	0.0	4725.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	1.5
10°-20°	161.8	3.4
20°-30°	259.6	5.5
30°-40°	450.2	9.5
40°-50°	750.7	15.9
50°-60°	1097.8	23.2
60°-70°	1280.0	27.1
70°-80°	621.2	13.1
80°-90°	32.5	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°	4725.0	100.0
0°-180°	4725.0	100.0

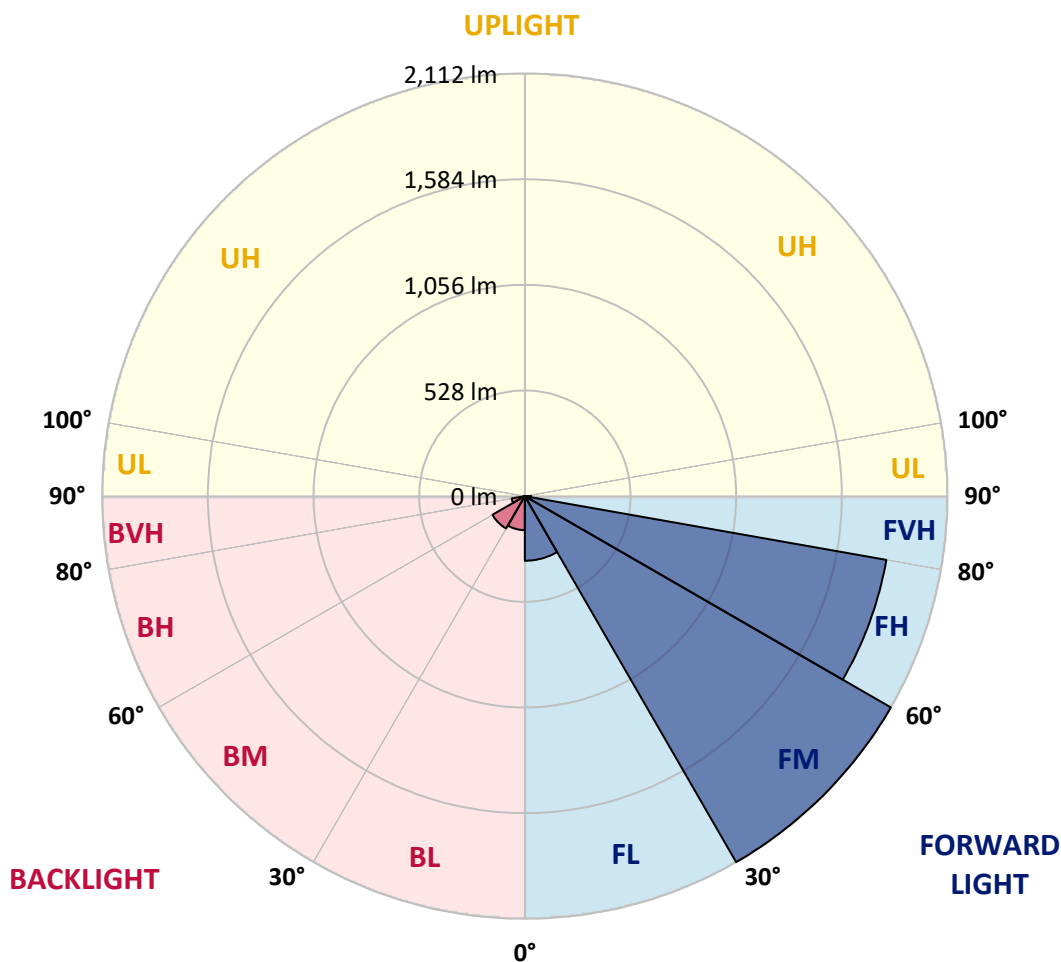


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	322.8	6.8			
FM (30°-60°)	2111.9	44.7			
FH (60°-80°)	1834.3	38.8			G2/5000
FVH (80°-90°)	31.5	0.7			G1/100
BL (0°-30°)	169.7	3.6	B1/500		
BM (30°-60°)	186.9	4.0	B0/220		
BH (60°-80°)	67.0	1.4	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-G2
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	809.7	809.7	809.7	809.7	809.7	809.7	809.7	809.7	809.7	809.7	809.7
2.5°	747.5	752.3	758.4	760.5	767.9	778.4	775.3	773.2	784.9	801.0	806.2
5°	700.9	701.3	710.9	717.9	730.5	740.5	751.4	750.5	771.8	799.3	816.7
7.5°	655.2	656.1	666.1	676.9	695.2	714.8	731.4	730.5	764.9	801.5	834.5
10°	595.1	599.5	611.6	630.8	659.5	690.4	713.5	715.7	757.0	809.7	858.9
12.5°	546.8	549.0	562.5	587.3	621.2	661.7	704.8	703.5	758.8	825.0	890.7
15°	526.3	525.0	533.3	551.6	590.3	641.2	696.1	699.1	764.9	842.4	923.8
17.5°	531.1	529.8	534.2	540.7	568.1	624.3	691.3	696.5	774.5	860.7	954.7
20°	584.2	575.1	567.2	560.3	564.2	610.3	688.3	693.9	780.1	874.6	987.3
22.5°	686.5	675.2	654.3	615.6	589.9	611.2	689.1	696.5	792.7	897.2	1027.0
25°	853.3	842.4	797.5	718.3	650.4	642.6	700.9	708.7	821.9	931.6	1069.2
27.5°	1074.0	1049.6	995.2	881.6	750.5	692.6	736.2	744.9	863.3	958.2	1097.9
30°	1257.2	1251.6	1199.3	1060.0	888.5	766.2	775.8	780.6	882.0	974.3	1126.6
32.5°	1447.5	1435.7	1387.8	1252.5	1048.7	871.1	820.2	822.3	906.4	998.2	1168.4
35°	1612.9	1602.0	1562.0	1430.5	1235.9	1012.2	893.7	889.0	956.9	1050.9	1225.0
37.5°	1766.2	1764.8	1729.6	1595.5	1404.0	1158.4	1002.1	998.2	1035.7	1108.8	1301.7
40°	1915.9	1912.4	1882.4	1760.1	1569.4	1304.3	1105.3	1095.3	1102.7	1189.8	1402.7
42.5°	2007.8	2015.2	2025.6	1948.1	1765.7	1475.4	1235.9	1229.8	1228.5	1316.5	1535.4
45°	2057.4	2070.5	2131.8	2124.9	1973.8	1688.2	1421.8	1406.1	1400.9	1490.6	1687.4
47.5°	2105.7	2111.4	2211.9	2254.2	2173.2	1910.3	1646.4	1624.7	1603.3	1703.0	1868.9
50°	2108.8	2117.9	2242.4	2345.2	2340.4	2128.8	1898.5	1879.3	1855.0	1961.6	2046.1
52.5°	2066.1	2084.4	2238.5	2402.6	2444.0	2321.6	2160.1	2144.5	2124.4	2204.1	2195.4
55°	1771.4	1802.3	2161.9	2407.8	2516.7	2487.1	2423.1	2401.3	2381.7	2438.3	2341.7
57.5°	1631.2	1648.6	1929.4	2403.9	2609.4	2640.3	2651.2	2641.2	2613.8	2684.3	2494.5
60°	1547.2	1572.4	1818.4	2360.4	2709.5	2813.6	2881.9	2861.9	2828.4	2925.5	2658.2
62.5°	1446.6	1464.9	1707.8	2235.0	2769.2	2989.9	3098.3	3080.0	3010.8	3147.9	2790.5
65°	1261.2	1288.6	1531.9	2037.8	2689.1	3119.2	3302.0	3295.9	3175.8	3316.0	2826.6
67.5°	1026.5	1051.3	1278.1	1767.5	2454.9	3070.9	3417.4	3398.2	3250.6	3328.6	2712.1
70°	770.5	784.0	955.1	1350.4	2011.2	2812.7	3333.8	3329.9	3137.0	3141.4	2360.8
72.5°	413.6	451.0	635.2	903.8	1414.4	2278.1	2971.2	2955.5	2798.8	2572.8	1697.8
75°	144.5	155.4	338.3	507.6	768.4	1517.6	2284.6	2248.1	2093.1	1673.4	925.1
77.5°	88.8	97.5	150.2	259.5	299.1	658.7	1372.6	1325.2	1225.0	723.5	316.1
80°	61.4	69.2	100.6	135.8	101.9	213.3	631.7	613.8	472.3	172.4	72.7
82.5°	34.4	41.4	76.2	66.6	40.9	55.3	219.0	202.9	125.8	46.6	24.4
85°	20.0	23.9	53.5	47.0	20.9	19.6	57.0	50.9	32.7	17.4	11.8
87.5°	10.4	13.5	39.2	31.3	12.6	7.0	13.1	12.6	8.3	6.1	7.8
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°	809.7	809.7	809.7	809.7	809.7	809.7	809.7	809.7	809.7	809.7	809.7
2.5°	815.8	813.6	825.0	828.9	828.0	826.3	830.6	825.0	824.5	823.2	821.9
5°	830.6	834.1	843.2	843.2	831.1	811.0	798.8	782.3	768.4	760.1	758.8
7.5°	852.8	859.8	865.9	847.2	805.4	755.7	703.1	661.7	625.6	606.9	605.1
10°	884.2	890.7	885.9	832.4	742.7	639.9	554.2	468.0	424.9	401.4	401.4
12.5°	921.6	926.8	897.7	795.4	639.5	490.6	376.1	285.6	242.5	214.6	212.9
15°	962.1	963.4	895.9	730.9	512.0	329.5	215.9	158.5	140.2	136.3	135.4
17.5°	997.4	992.1	877.6	635.6	368.7	196.3	137.1	124.1	120.6	120.6	120.6
20°	1030.4	1013.0	841.1	524.6	236.4	133.6	118.0	114.5	114.5	114.9	114.9
22.5°	1067.0	1032.6	788.8	401.4	151.9	114.5	110.6	108.8	108.4	109.7	109.3
25°	1110.1	1051.8	714.0	277.3	117.5	106.7	104.9	103.2	103.2	103.2	103.2
27.5°	1134.0	1049.2	628.6	175.0	102.7	98.8	97.1	95.3	94.0	93.6	94.0
30°	1154.9	1033.9	517.2	122.3	92.7	88.4	87.1	84.9	82.3	81.4	81.4
32.5°	1182.4	1021.3	400.5	98.4	84.0	79.2	75.3	71.8	67.5	65.7	65.3
35°	1212.8	998.2	293.4	86.6	76.2	70.1	64.0	58.3	52.7	50.9	50.5
37.5°	1250.7	977.3	198.9	80.1	69.7	62.3	54.0	46.1	40.9	40.1	40.1
40°	1302.1	959.9	137.6	74.4	63.6	54.9	44.8	36.6	33.1	32.2	32.2
42.5°	1372.2	945.5	104.0	69.7	58.3	47.5	36.1	30.0	27.4	26.6	26.6
45°	1454.9	923.3	87.9	65.3	53.1	40.1	30.0	25.2	23.9	23.9	23.9
47.5°	1549.8	895.5	80.1	60.9	47.5	32.7	25.2	23.1	22.6	22.6	23.1
50°	1645.6	862.4	74.4	55.7	40.9	27.9	23.1	21.8	21.8	22.2	22.2
52.5°	1710.4	810.6	68.8	50.1	34.4	24.4	21.8	21.3	20.9	20.9	20.9
55°	1773.6	765.3	60.9	44.0	28.7	22.6	20.9	20.5	20.5	20.0	20.0
57.5°	1839.3	729.6	50.9	36.6	24.4	21.3	20.0	20.0	19.2	18.7	18.7
60°	1915.5	698.3	39.2	28.7	21.3	20.0	18.7	18.3	17.4	16.5	16.5
62.5°	1937.7	632.1	29.6	23.1	18.3	17.4	17.0	16.1	13.9	12.2	12.6
65°	1879.8	528.1	23.5	18.3	14.8	14.8	13.5	11.3	9.1	7.8	7.8
67.5°	1720.0	394.4	19.2	14.4	11.8	11.3	9.6	8.3	5.7	4.8	4.8
70°	1417.5	260.8	15.7	11.3	9.6	7.8	6.5	6.1	4.4	3.5	3.5
72.5°	993.4	141.5	13.1	9.1	7.0	5.2	4.4	3.9	3.0	2.6	2.2
75°	524.6	54.4	10.4	7.0	4.4	3.5	2.6	2.6	2.2	1.7	1.7
77.5°	179.8	23.1	7.4	3.9	3.0	2.2	1.7	1.3	1.7	1.3	1.3
80°	42.7	13.5	4.8	2.6	1.7	1.3	1.3	0.9	0.9	0.9	0.9
82.5°	18.7	7.8	3.0	1.7	1.7	1.3	0.9	0.4	0.4	0.4	0.4
85°	12.6	4.8	2.2	1.7	1.3	0.9	0.4	0.4	0.0	0.0	0.0
87.5°	10.0	3.0	1.7	1.7	1.3	0.9	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)