

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: P674776

Luminaire Tested: **CCP-SA-2C-840-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674776
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-840-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 4000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

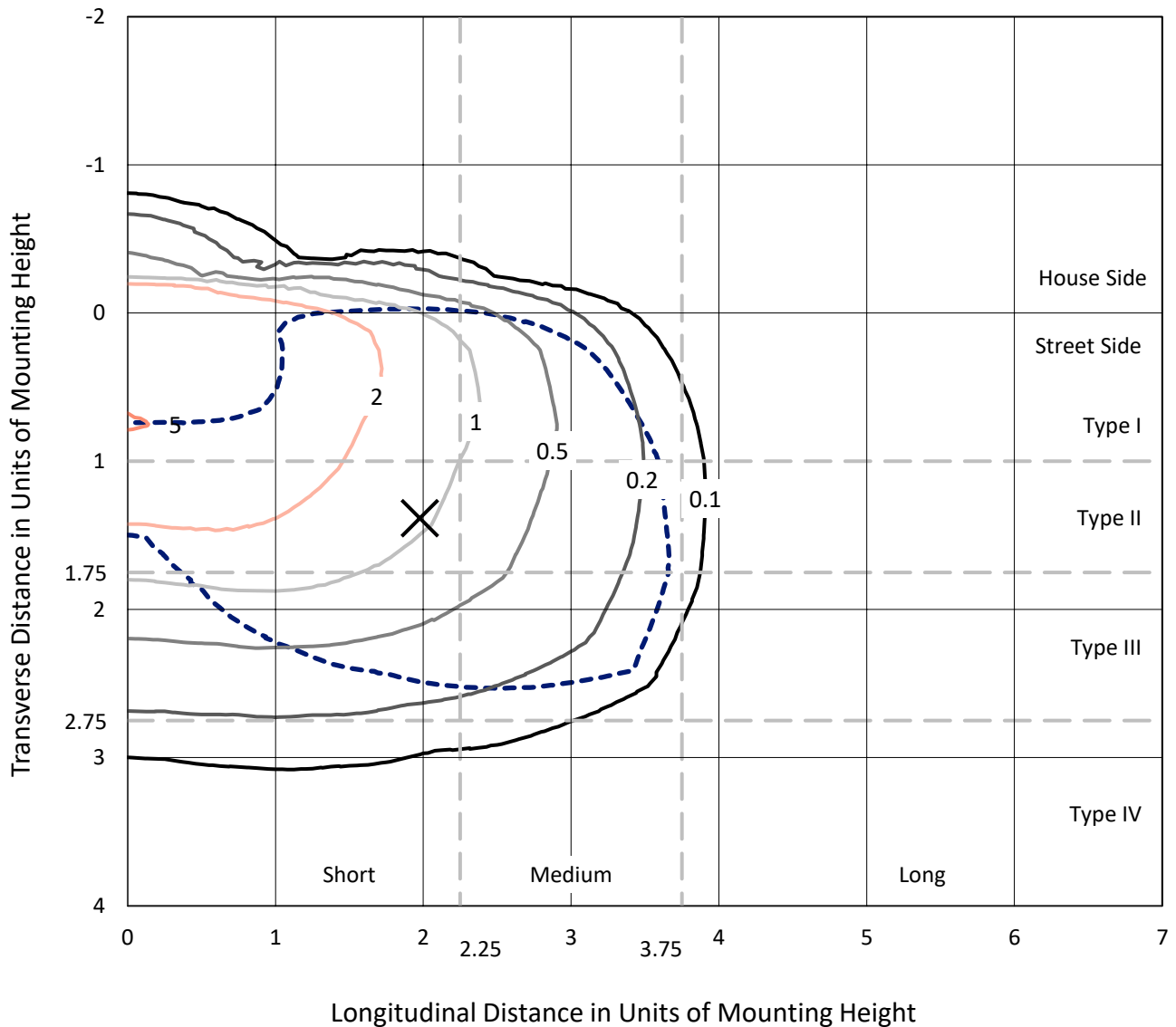
Lumens per Lamp: N/A
Luminaire Lumens: 6113.8 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
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

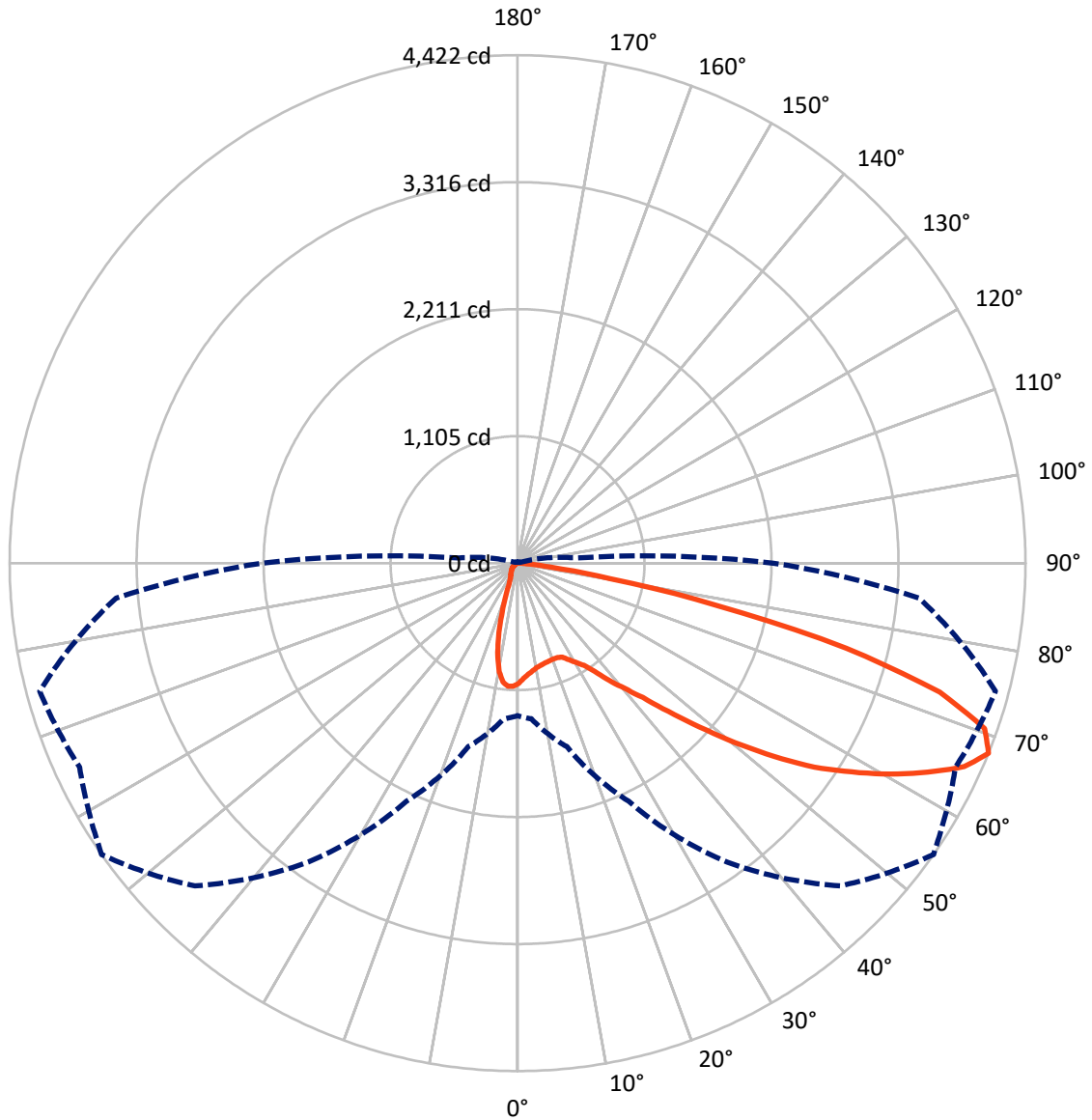
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.1 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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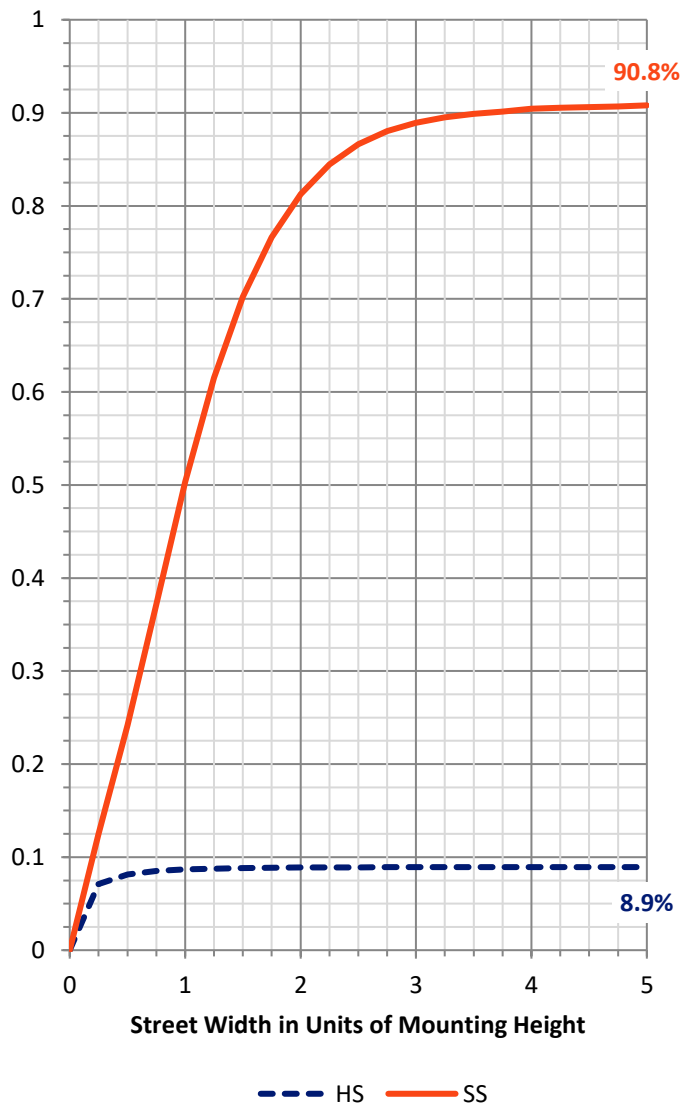
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	549.2	0.0	549.2
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	5564.5	0.0	5564.5
	% Fixture	91.0	0.0	91.0
Total	Lumens	6113.8	0.0	6113.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.0	1.5
10°-20°	209.4	3.4
20°-30°	335.9	5.5
30°-40°	582.6	9.5
40°-50°	971.4	15.9
50°-60°	1420.5	23.2
60°-70°	1656.3	27.1
70°-80°	803.8	13.1
80°-90°	42.0	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°	6113.8	100.0
0°-180°	6113.8	100.0



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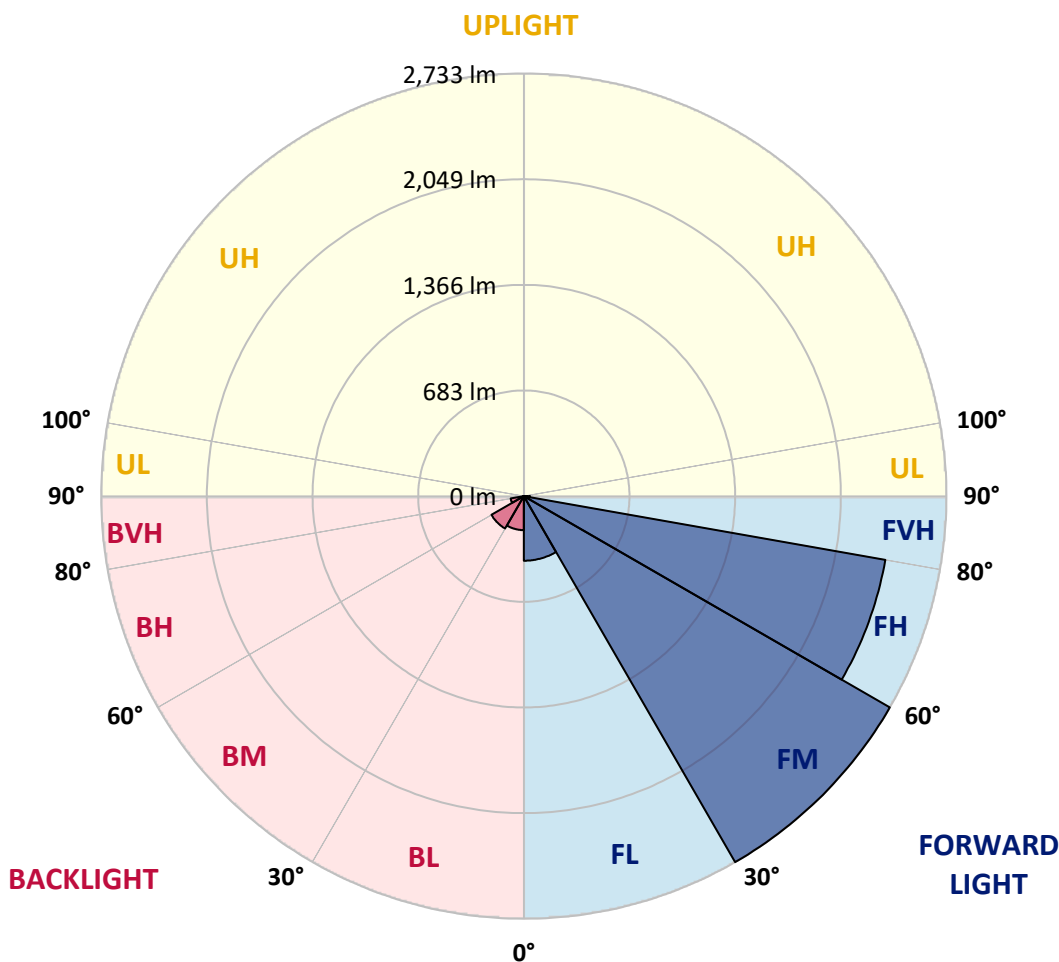
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	417.6	6.8			
FM (30°-60°)	2732.7	44.7			
FH (60°-80°)	2373.4	38.8			G2/5000
FVH (80°-90°)	40.8	0.7			G1/100
BL (0°-30°)	219.6	3.6	B1/500		
BM (30°-60°)	241.8	4.0	B1/1000		
BH (60°-80°)	86.6	1.4	B0/110		G0/110
BVH (80°-90°)	1.2	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°	1047.7	1047.7	1047.7	1047.7	1047.7	1047.7	1047.7	1047.7	1047.7	1047.7	1047.7
2.5°	967.2	973.4	981.3	984.1	993.7	1007.2	1003.2	1000.4	1015.6	1036.5	1043.2
5°	906.9	907.5	919.9	928.9	945.2	958.2	972.2	971.1	998.7	1034.2	1056.7
7.5°	847.8	848.9	861.8	875.9	899.6	924.9	946.3	945.2	989.7	1037.0	1079.8
10°	770.0	775.7	791.4	816.2	853.4	893.4	923.2	926.1	979.6	1047.7	1111.4
12.5°	707.5	710.3	727.8	759.9	803.8	856.2	912.0	910.3	981.8	1067.4	1152.5
15°	681.0	679.3	690.0	713.7	763.8	829.7	900.7	904.7	989.7	1090.0	1195.3
17.5°	687.2	685.5	691.2	699.6	735.1	807.8	894.5	901.3	1002.1	1113.6	1235.3
20°	755.9	744.1	734.0	725.0	730.0	789.7	890.6	897.9	1009.4	1131.7	1277.6
22.5°	888.3	873.7	846.6	796.5	763.3	790.9	891.7	901.3	1025.8	1161.0	1328.8
25°	1104.1	1090.0	1032.0	929.4	841.6	831.4	906.9	917.0	1063.5	1205.5	1383.5
27.5°	1389.6	1358.1	1287.7	1140.7	971.1	896.2	952.5	963.8	1117.0	1239.8	1420.6
30°	1626.8	1619.5	1551.9	1371.6	1149.7	991.4	1003.8	1010.0	1141.2	1260.7	1457.8
32.5°	1873.0	1857.7	1795.8	1620.6	1357.0	1127.2	1061.2	1064.1	1172.8	1291.6	1511.9
35°	2087.0	2072.9	2021.1	1851.0	1599.2	1309.7	1156.4	1150.2	1238.1	1359.8	1585.1
37.5°	2285.3	2283.6	2238.0	2064.5	1816.6	1498.9	1296.7	1291.6	1340.1	1434.7	1684.3
40°	2479.1	2474.6	2435.7	2277.4	2030.7	1687.6	1430.2	1417.2	1426.8	1539.5	1814.9
42.5°	2597.9	2607.5	2621.0	2520.7	2284.7	1909.0	1599.2	1591.3	1589.6	1703.4	1986.7
45°	2662.1	2679.0	2758.5	2749.4	2554.0	2184.5	1839.7	1819.4	1812.7	1928.7	2183.3
47.5°	2724.7	2732.0	2862.1	2916.7	2812.0	2471.7	2130.4	2102.2	2074.6	2203.6	2418.2
50°	2728.6	2740.4	2901.5	3034.5	3028.3	2754.5	2456.5	2431.7	2400.2	2538.2	2647.5
52.5°	2673.4	2697.1	2896.5	3108.8	3162.3	3004.1	2795.1	2774.8	2748.9	2852.0	2840.7
55°	2292.0	2332.0	2797.3	3115.6	3256.4	3218.1	3135.3	3107.1	3081.8	3155.0	3030.0
57.5°	2110.7	2133.2	2496.5	3110.5	3376.4	3416.4	3430.5	3417.5	3382.0	3473.3	3227.7
60°	2001.9	2034.6	2352.9	3054.2	3505.9	3640.6	3729.0	3703.1	3659.7	3785.3	3439.5
62.5°	1871.8	1895.5	2209.8	2892.0	3583.1	3868.7	4009.0	3985.3	3895.7	4073.2	3610.7
65°	1631.9	1667.4	1982.2	2636.8	3479.5	4036.0	4272.6	4264.7	4109.2	4290.6	3657.5
67.5°	1328.2	1360.4	1653.8	2287.0	3176.4	3973.5	4421.9	4397.1	4206.1	4307.0	3509.3
70°	997.0	1014.5	1235.9	1747.3	2602.4	3639.4	4313.7	4308.6	4059.1	4064.7	3054.7
72.5°	535.1	583.6	821.8	1169.4	1830.1	2947.7	3844.5	3824.2	3621.4	3329.1	2196.8
75°	187.0	201.1	437.7	656.8	994.2	1963.6	2956.2	2908.9	2708.3	2165.3	1197.0
77.5°	114.9	126.2	194.3	335.7	387.0	852.3	1776.1	1714.7	1585.1	936.2	409.0
80°	79.4	89.6	130.1	175.7	131.8	276.0	817.3	794.2	611.2	223.1	94.1
82.5°	44.5	53.5	98.6	86.2	52.9	71.5	283.3	262.5	162.8	60.3	31.5
85°	25.9	31.0	69.3	60.8	27.0	25.3	73.8	65.9	42.2	22.5	15.2
87.5°	13.5	17.5	50.7	40.6	16.3	9.0	16.9	16.3	10.7	7.9	10.1
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°	1047.7	1047.7	1047.7	1047.7	1047.7	1047.7	1047.7	1047.7	1047.7	1047.7	1047.7
2.5°	1055.6	1052.8	1067.4	1072.5	1071.4	1069.1	1074.8	1067.4	1066.9	1065.2	1063.5
5°	1074.8	1079.3	1091.1	1091.1	1075.3	1049.4	1033.6	1012.2	994.2	983.5	981.8
7.5°	1103.5	1112.5	1120.4	1096.2	1042.1	977.9	909.7	856.2	809.5	785.2	783.0
10°	1144.1	1152.5	1146.3	1077.0	961.0	828.0	717.1	605.5	549.8	519.4	519.4
12.5°	1192.5	1199.3	1161.5	1029.1	827.5	634.8	486.7	369.5	313.8	277.7	275.5
15°	1244.9	1246.6	1159.3	945.8	662.4	426.4	279.4	205.0	181.4	176.3	175.2
17.5°	1290.5	1283.7	1135.6	822.4	477.1	254.0	177.4	160.5	156.0	156.0	156.0
20°	1333.3	1310.8	1088.3	678.8	305.9	172.9	152.7	148.1	148.1	148.7	148.7
22.5°	1380.6	1336.1	1020.7	519.4	196.6	148.1	143.1	140.8	140.3	142.0	141.4
25°	1436.4	1360.9	923.8	358.8	152.1	138.0	135.8	133.5	133.5	133.5	133.5
27.5°	1467.4	1357.5	813.4	226.4	132.9	127.9	125.6	123.4	121.7	121.1	121.7
30°	1494.4	1337.8	669.2	158.3	120.0	114.3	112.7	109.8	106.5	105.3	105.3
32.5°	1529.9	1321.5	518.2	127.3	108.7	102.5	97.4	92.9	87.3	85.1	84.5
35°	1569.3	1291.6	379.7	112.1	98.6	90.7	82.8	75.5	68.2	65.9	65.3
37.5°	1618.3	1264.6	257.4	103.6	90.1	80.6	69.8	59.7	52.9	51.8	51.8
40°	1684.8	1242.1	178.0	96.3	82.2	71.0	58.0	47.3	42.8	41.7	41.7
42.5°	1775.5	1223.5	134.6	90.1	75.5	61.4	46.8	38.9	35.5	34.4	34.4
45°	1882.5	1194.7	113.8	84.5	68.7	51.8	38.9	32.7	31.0	31.0	31.0
47.5°	2005.3	1158.7	103.6	78.9	61.4	42.2	32.7	29.9	29.3	29.3	29.9
50°	2129.3	1115.9	96.3	72.1	52.9	36.1	29.9	28.2	28.2	28.7	28.7
52.5°	2213.2	1048.9	89.0	64.8	44.5	31.5	28.2	27.6	27.0	27.0	27.0
55°	2294.9	990.3	78.9	56.9	37.2	29.3	27.0	26.5	26.5	25.9	25.9
57.5°	2379.9	944.1	65.9	47.3	31.5	27.6	25.9	25.9	24.8	24.2	24.2
60°	2478.5	903.5	50.7	37.2	27.6	25.9	24.2	23.7	22.5	21.4	21.4
62.5°	2507.2	817.9	38.3	29.9	23.7	22.5	22.0	20.8	18.0	15.8	16.3
65°	2432.3	683.3	30.4	23.7	19.2	19.2	17.5	14.6	11.8	10.1	10.1
67.5°	2225.6	510.3	24.8	18.6	15.2	14.6	12.4	10.7	7.3	6.2	6.2
70°	1834.1	337.4	20.3	14.6	12.4	10.1	8.4	7.9	5.6	4.5	4.5
72.5°	1285.4	183.1	16.9	11.8	9.0	6.8	5.6	5.1	3.9	3.4	2.8
75°	678.8	70.4	13.5	9.0	5.6	4.5	3.4	3.4	2.8	2.3	2.3
77.5°	232.6	29.9	9.6	5.1	3.9	2.8	2.3	1.7	2.3	1.7	1.7
80°	55.2	17.5	6.2	3.4	2.3	1.7	1.7	1.1	1.1	1.1	1.1
82.5°	24.2	10.1	3.9	2.3	2.3	1.7	1.1	0.6	0.6	0.6	0.6
85°	16.3	6.2	2.8	2.3	1.7	1.1	0.6	0.6	0.0	0.0	0.0
87.5°	13.0	3.9	2.3	2.3	1.7	1.1	0.6	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)