

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: P674533

Luminaire Tested: **CCP-SA-2C-727-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674533
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-727-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T2R distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

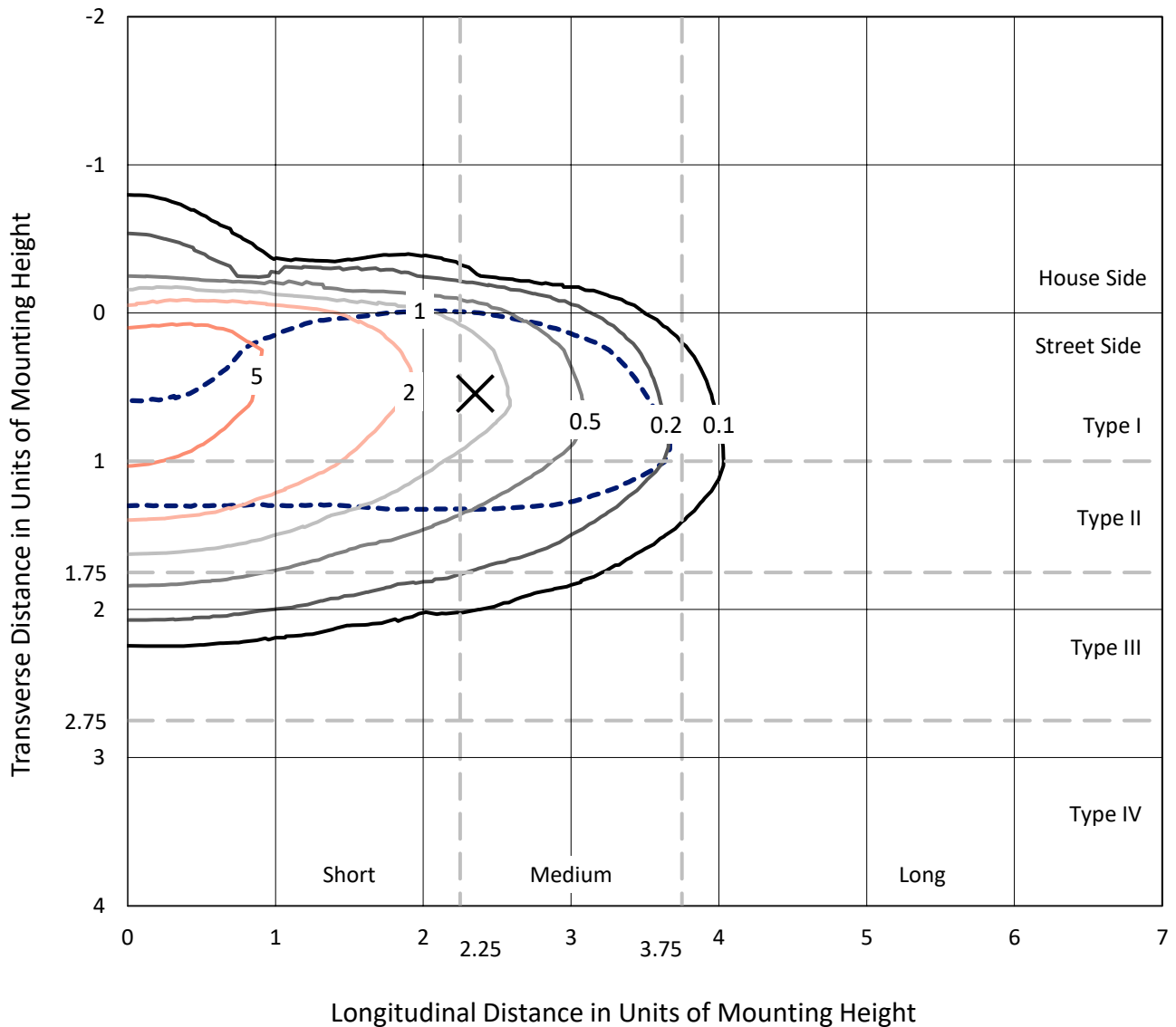
Lumens per Lamp: N/A
Luminaire Lumens: 6122.5 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

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

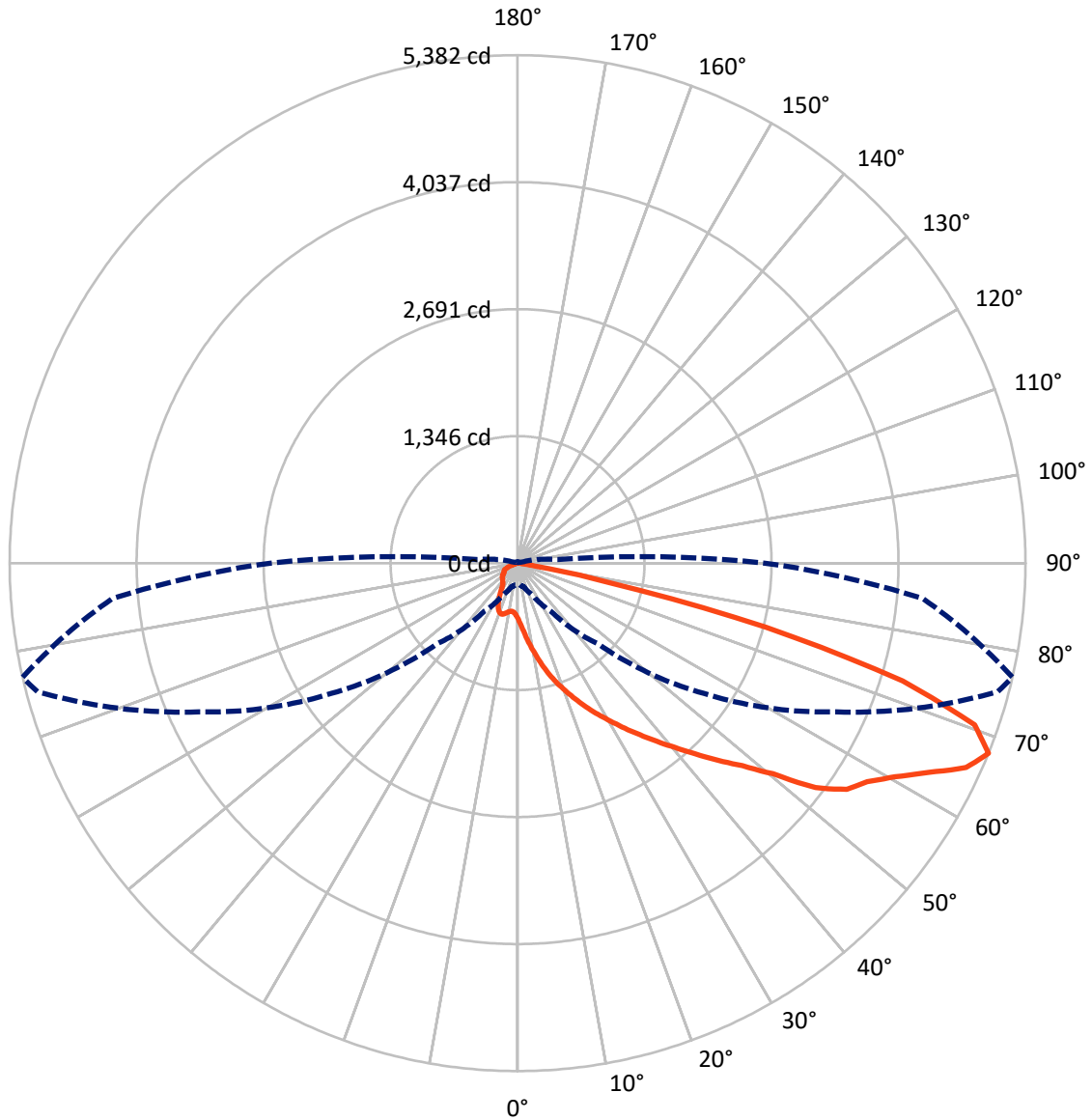
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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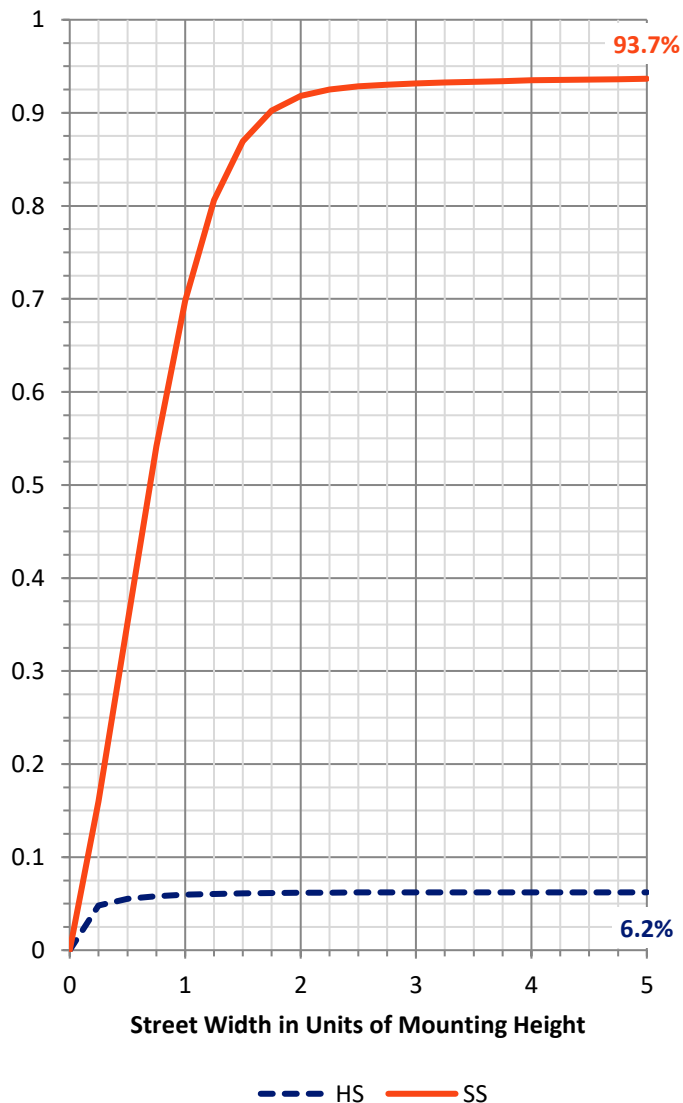
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	382.6	0.0	382.6
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	5739.9	0.0	5739.9
	% Fixture	93.8	0.0	93.8
Total	Lumens	6122.5	0.0	6122.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.9	1.1
10°-20°	254.9	4.2
20°-30°	497.9	8.1
30°-40°	870.5	14.2
40°-50°	1269.6	20.7
50°-60°	1484.6	24.2
60°-70°	1203.4	19.7
70°-80°	452.1	7.4
80°-90°	20.6	0.3
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°	6122.5	100.0
0°-180°	6122.5	100.0

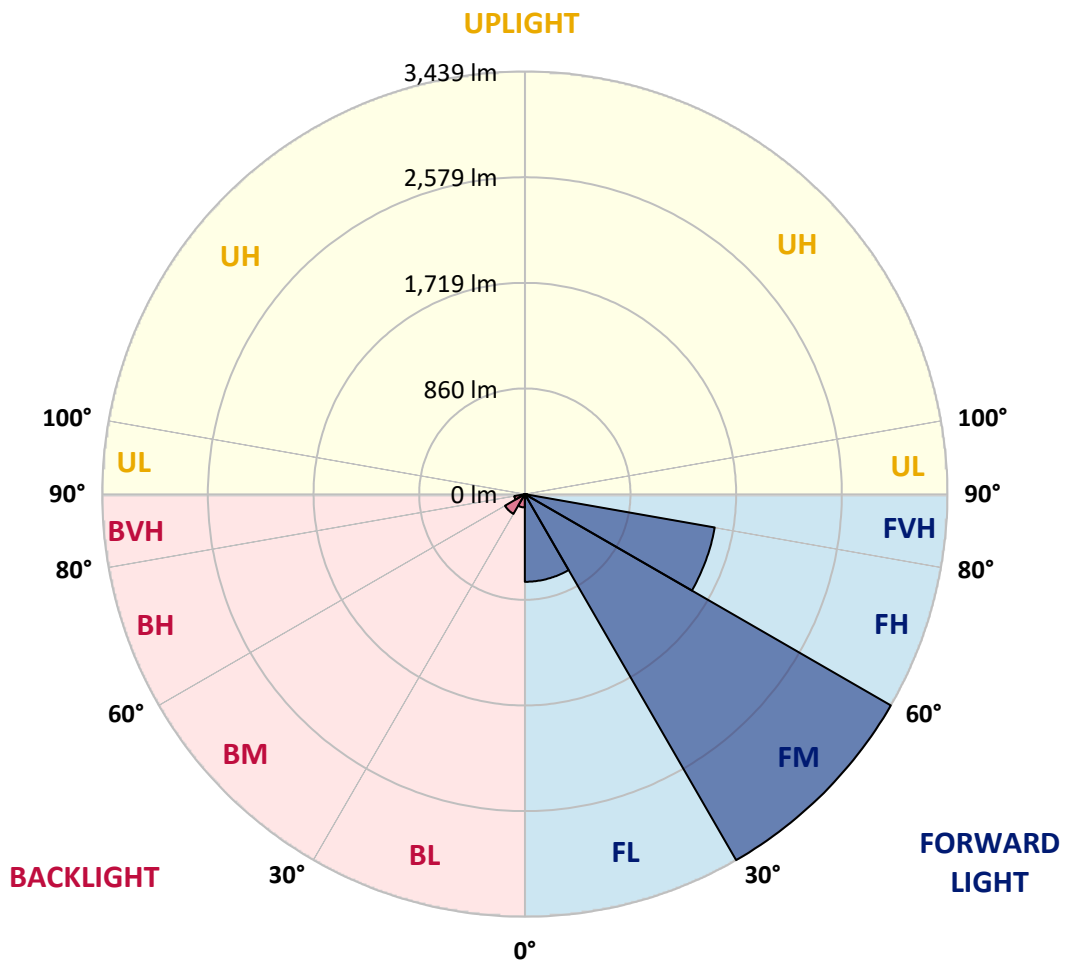


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	713.2	11.6			
FM (30°-60°)	3438.5	56.2			
FH (60°-80°)	1568.8	25.6			G1/1800
FVH (80°-90°)	19.4	0.3			G1/100
BL (0°-30°)	108.5	1.8	B0/110		
BM (30°-60°)	186.1	3.0	B0/220		
BH (60°-80°)	86.8	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: B0-U0-G1
 Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	586.4	586.4	586.4	586.4	586.4	586.4	586.4	586.4	586.4	586.4	586.4
2.5°	880.5	848.4	854.5	841.2	824.1	784.3	742.3	700.3	662.7	654.4	616.8
5°	1127.5	1117.6	1107.1	1098.2	1062.3	1012.6	936.8	840.7	753.9	739.0	661.0
7.5°	1319.3	1304.4	1313.8	1286.7	1249.1	1201.0	1104.9	1002.1	868.3	846.2	725.1
10°	1460.8	1452.5	1456.9	1444.2	1426.0	1377.9	1282.8	1154.0	999.3	957.3	797.0
12.5°	1566.9	1568.6	1587.9	1589.0	1574.1	1534.9	1434.3	1300.0	1118.1	1080.5	876.6
15°	1644.3	1646.0	1669.7	1695.1	1712.3	1691.8	1600.6	1450.3	1258.0	1206.6	960.0
17.5°	1657.0	1658.1	1700.1	1751.5	1804.6	1822.3	1752.1	1599.5	1385.6	1327.0	1055.7
20°	1665.3	1674.7	1712.3	1771.4	1855.4	1910.2	1872.0	1742.7	1509.4	1441.5	1149.6
22.5°	1765.9	1765.9	1788.0	1830.0	1896.9	1982.6	1974.8	1874.2	1629.9	1562.5	1243.0
25°	1979.2	1979.2	1957.7	1946.6	1982.6	2050.0	2069.3	2014.6	1767.6	1688.0	1341.4
27.5°	2261.7	2261.7	2228.0	2146.7	2115.8	2143.9	2164.4	2136.8	1894.7	1816.2	1445.3
30°	2554.6	2564.6	2506.0	2402.6	2294.3	2272.7	2252.8	2246.7	2030.1	1941.7	1550.9
32.5°	2848.6	2847.5	2774.6	2645.8	2504.3	2428.0	2363.4	2356.2	2173.8	2087.0	1650.9
35°	3083.5	3084.1	3007.3	2875.2	2711.6	2614.3	2510.4	2476.7	2331.3	2234.6	1770.3
37.5°	3286.9	3275.3	3192.4	3067.0	2914.4	2813.8	2684.5	2596.6	2494.4	2396.0	1889.7
40°	3403.6	3388.1	3307.4	3188.0	3072.5	2995.7	2881.8	2741.4	2673.4	2567.3	2025.7
42.5°	3420.7	3407.4	3353.8	3282.0	3187.5	3120.0	3089.6	2905.0	2861.4	2765.2	2188.2
45°	3372.6	3351.1	3333.4	3295.8	3269.3	3236.6	3278.1	3079.1	3076.9	2981.3	2349.0
47.5°	3253.2	3223.9	3228.4	3269.8	3299.7	3328.9	3458.3	3307.4	3294.1	3204.6	2560.1
50°	3049.3	3034.9	3083.5	3165.3	3283.6	3400.8	3637.9	3540.6	3593.1	3509.1	2851.4
52.5°	2634.7	2652.4	2797.8	2994.6	3199.1	3434.5	3806.5	3888.8	4023.1	3954.1	3144.3
55°	2137.3	2130.7	2324.7	2674.0	3000.6	3413.0	3880.0	4093.9	4305.0	4232.6	3307.4
57.5°	1721.7	1733.3	1864.3	2209.7	2664.0	3246.6	3897.1	4201.1	4418.3	4370.2	3458.3
60°	1292.2	1303.3	1422.7	1723.3	2216.3	2899.5	3755.6	4238.7	4631.1	4594.6	3699.3
62.5°	822.4	836.8	956.7	1249.1	1694.0	2360.1	3437.8	4199.5	4853.3	4883.7	4028.1
65°	404.6	417.3	505.7	729.6	1132.5	1764.8	2994.6	4049.7	5136.3	5223.1	4291.8
67.5°	223.8	229.9	260.3	371.4	631.7	1210.4	2406.5	3729.7	5266.2	5382.2	4309.4
70°	174.1	175.8	187.4	216.7	307.9	710.2	1711.7	3196.8	4997.0	5137.4	3950.7
72.5°	146.5	148.7	154.2	164.2	192.3	369.8	1075.6	2470.6	4204.4	4268.0	3056.5
75°	107.2	110.5	126.0	134.9	152.0	224.4	474.2	1484.6	2778.5	2716.0	1710.1
77.5°	90.1	92.9	96.7	109.4	125.5	153.1	166.4	622.3	1130.8	983.3	448.8
80°	61.4	64.7	75.2	81.8	106.1	101.1	69.1	166.9	227.2	185.2	86.2
82.5°	43.7	46.4	52.0	66.9	76.8	53.6	37.6	50.8	54.7	52.0	28.2
85°	13.8	17.7	37.6	55.3	41.5	18.2	23.8	19.3	17.1	16.6	11.1
87.5°	2.8	2.8	18.8	22.1	16.6	9.4	8.3	6.1	7.7	7.7	6.1
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°	586.4	586.4	586.4	586.4	586.4	586.4	586.4	586.4	586.4	586.4	586.4
2.5°	599.1	574.3	538.3	504.6	470.4	446.0	428.9	411.8	405.1	402.4	395.2
5°	625.7	578.1	506.8	449.3	407.3	380.8	364.8	351.0	342.1	339.4	335.5
7.5°	663.8	595.3	493.0	426.7	384.7	355.9	330.0	300.1	276.4	267.0	263.1
10°	705.3	621.2	495.2	422.3	366.4	303.4	245.4	197.3	176.3	168.6	163.0
12.5°	766.0	650.0	504.6	417.3	311.7	216.7	157.0	137.1	132.1	131.0	129.9
15°	826.8	690.3	520.1	384.1	232.7	147.6	130.4	123.3	120.5	117.7	117.7
17.5°	888.2	729.0	526.2	319.5	160.8	127.7	118.8	112.8	108.3	106.1	104.5
20°	957.3	769.9	508.5	240.4	128.8	116.6	106.7	99.5	95.6	93.4	91.7
22.5°	1031.9	810.3	469.8	167.5	117.2	105.0	95.6	88.4	84.6	82.4	81.8
25°	1102.1	845.1	407.9	126.0	105.6	94.0	85.1	79.0	76.3	74.1	73.5
27.5°	1174.5	874.9	327.2	111.1	96.2	85.1	76.3	71.3	68.5	66.9	66.3
30°	1245.2	895.4	243.7	101.7	87.9	76.8	69.1	65.2	62.5	60.8	60.2
32.5°	1318.2	907.0	164.7	93.4	79.6	69.6	63.0	59.1	57.5	55.8	55.8
35°	1388.4	905.3	118.8	85.7	73.0	63.0	56.9	54.2	53.6	52.0	52.0
37.5°	1465.2	893.7	101.1	78.5	65.8	56.9	52.0	50.3	49.7	48.6	48.1
40°	1552.6	867.7	92.3	73.0	59.7	52.0	47.5	46.4	45.9	44.8	44.8
42.5°	1648.2	834.0	87.3	66.9	54.7	47.0	43.7	42.0	41.5	40.3	40.3
45°	1759.3	802.0	84.0	60.8	50.3	43.1	39.8	38.1	37.6	36.5	36.5
47.5°	1910.7	783.7	78.5	55.3	45.3	39.2	35.9	34.8	33.7	32.6	32.6
50°	2119.1	762.2	71.3	49.7	41.5	35.4	33.2	31.5	31.0	29.8	29.8
52.5°	2290.4	716.3	64.1	44.2	37.0	32.6	30.4	29.3	28.2	27.6	27.6
55°	2350.7	662.7	56.9	39.8	33.7	30.4	28.2	27.1	26.5	26.0	26.0
57.5°	2446.8	645.6	50.3	35.4	30.4	28.2	26.0	25.4	24.9	24.3	23.8
60°	2611.0	655.5	44.2	31.5	27.6	25.4	23.8	23.2	22.1	21.0	21.0
62.5°	2770.2	643.3	37.6	27.6	23.8	22.7	21.0	19.9	17.7	16.0	14.9
65°	2808.8	562.1	32.6	23.2	19.9	18.8	17.1	14.9	11.6	9.4	9.4
67.5°	2621.5	427.2	28.2	19.9	16.6	15.5	12.2	9.9	7.2	5.5	5.5
70°	2163.3	270.8	23.2	15.5	13.8	10.5	7.7	7.2	5.0	4.4	3.9
72.5°	1560.8	148.1	19.3	12.7	9.9	6.6	5.5	4.4	3.3	2.2	2.2
75°	790.4	69.6	14.4	9.9	6.6	4.4	3.3	2.2	2.2	1.7	1.7
77.5°	223.8	32.1	9.4	6.6	4.4	2.8	2.2	1.7	1.7	1.1	1.1
80°	44.2	16.0	6.1	4.4	3.3	2.2	1.7	1.1	1.1	0.6	0.6
82.5°	16.0	8.3	4.4	3.3	2.8	2.2	1.1	0.6	0.6	0.0	0.0
85°	8.3	4.4	3.3	2.8	2.2	1.7	1.1	0.6	0.0	0.0	0.0
87.5°	4.4	3.3	2.8	2.8	2.2	1.7	1.1	0.6	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)