

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: P674610

Luminaire Tested: **CCP-SA-2C-830-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674610
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-830-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T2R distribution lens and House Side Shield
Light Source: (32) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5817.2 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

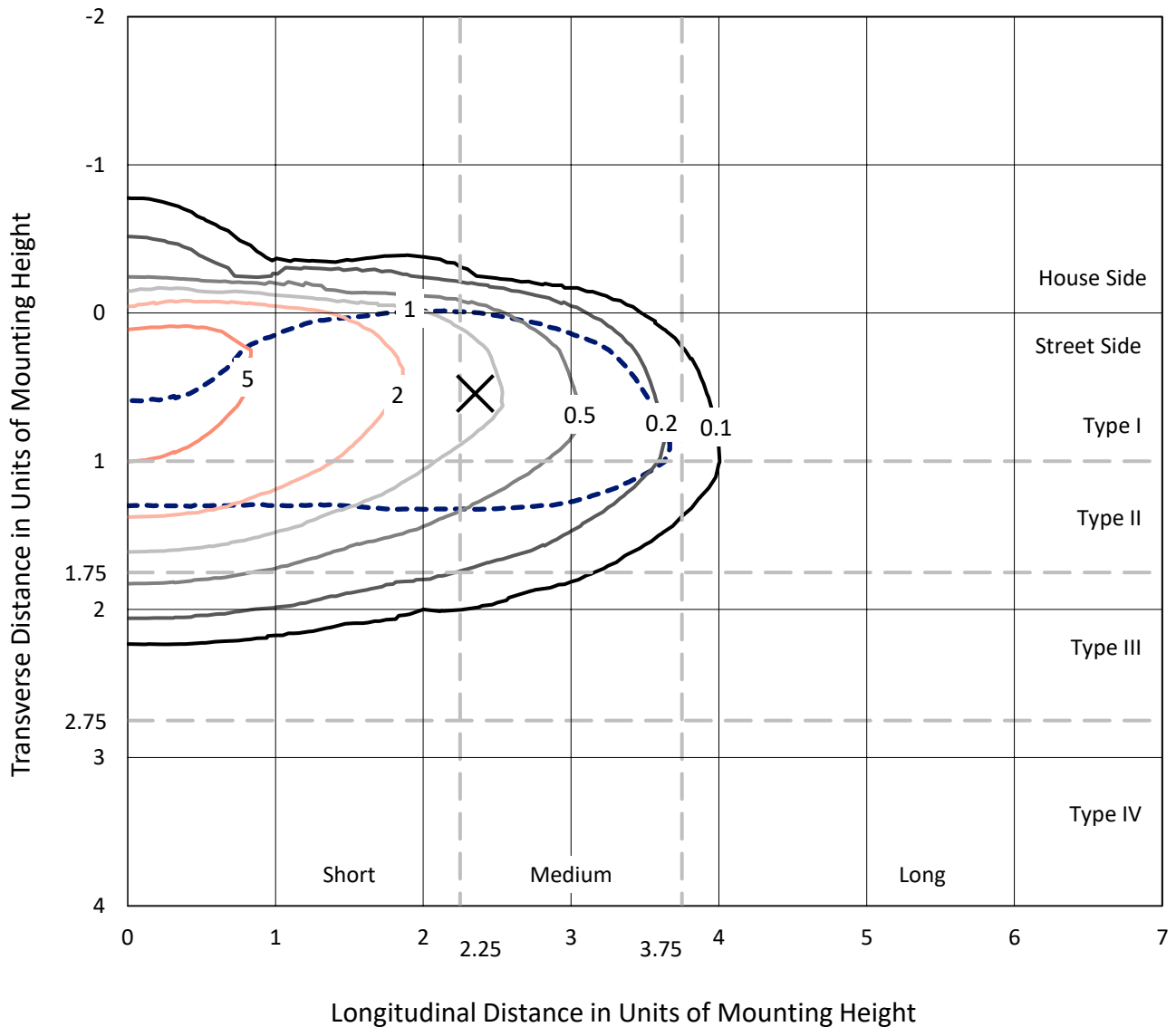
Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

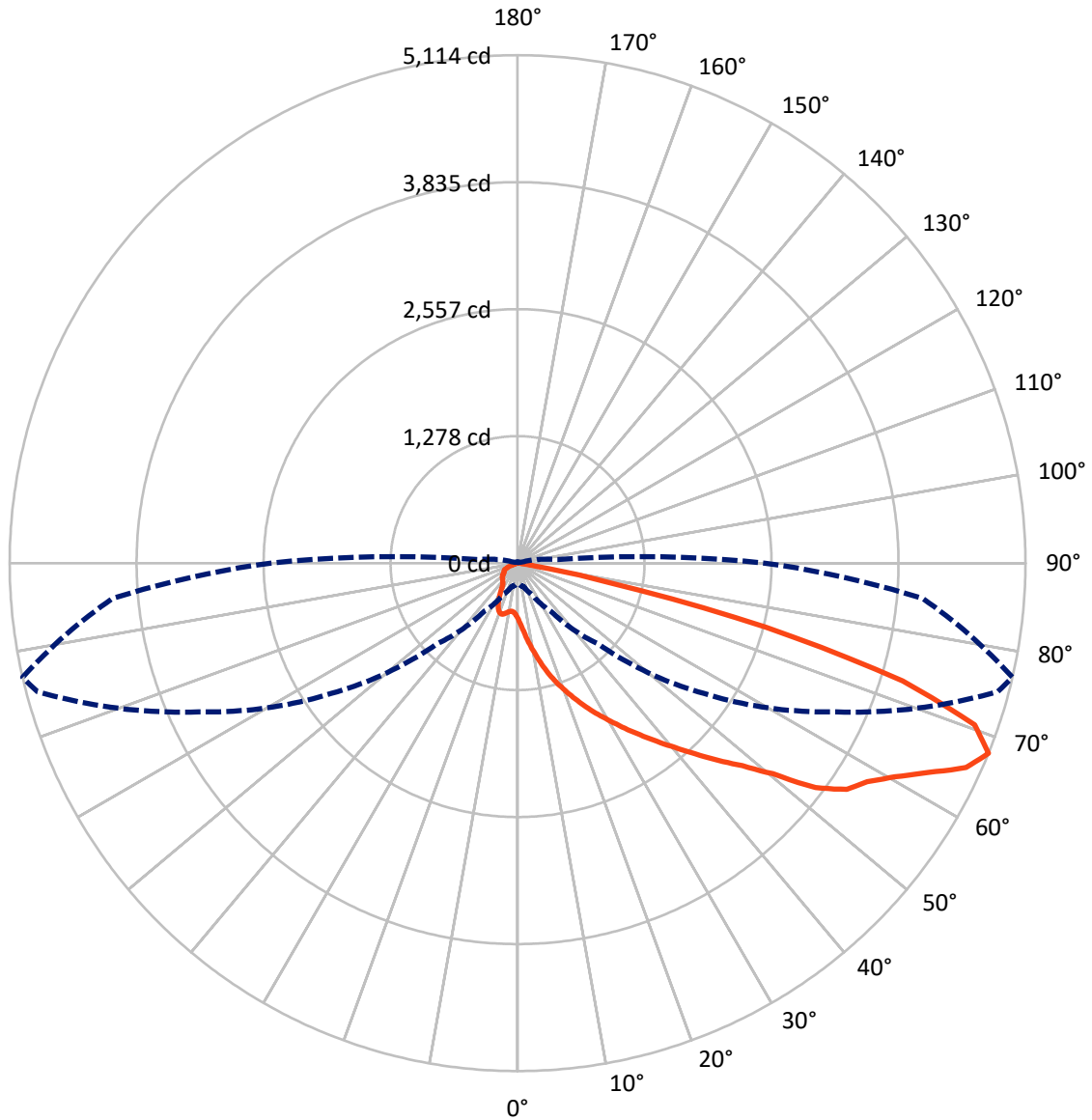
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.2 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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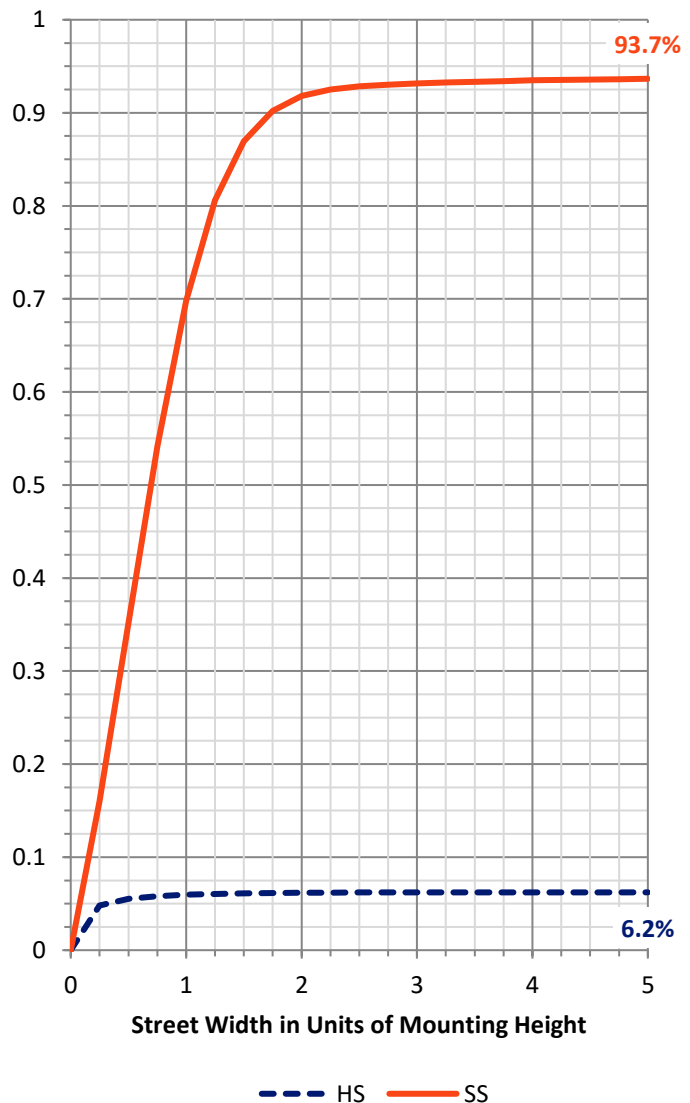
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	363.5	0.0	363.5
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	5453.7	0.0	5453.7
	% Fixture	93.8	0.0	93.8
Total	Lumens	5817.2	0.0	5817.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.5	1.1
10°-20°	242.2	4.2
20°-30°	473.1	8.1
30°-40°	827.1	14.2
40°-50°	1206.3	20.7
50°-60°	1410.5	24.2
60°-70°	1143.4	19.7
70°-80°	429.6	7.4
80°-90°	19.5	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°	5817.2	100.0
0°-180°	5817.2	100.0



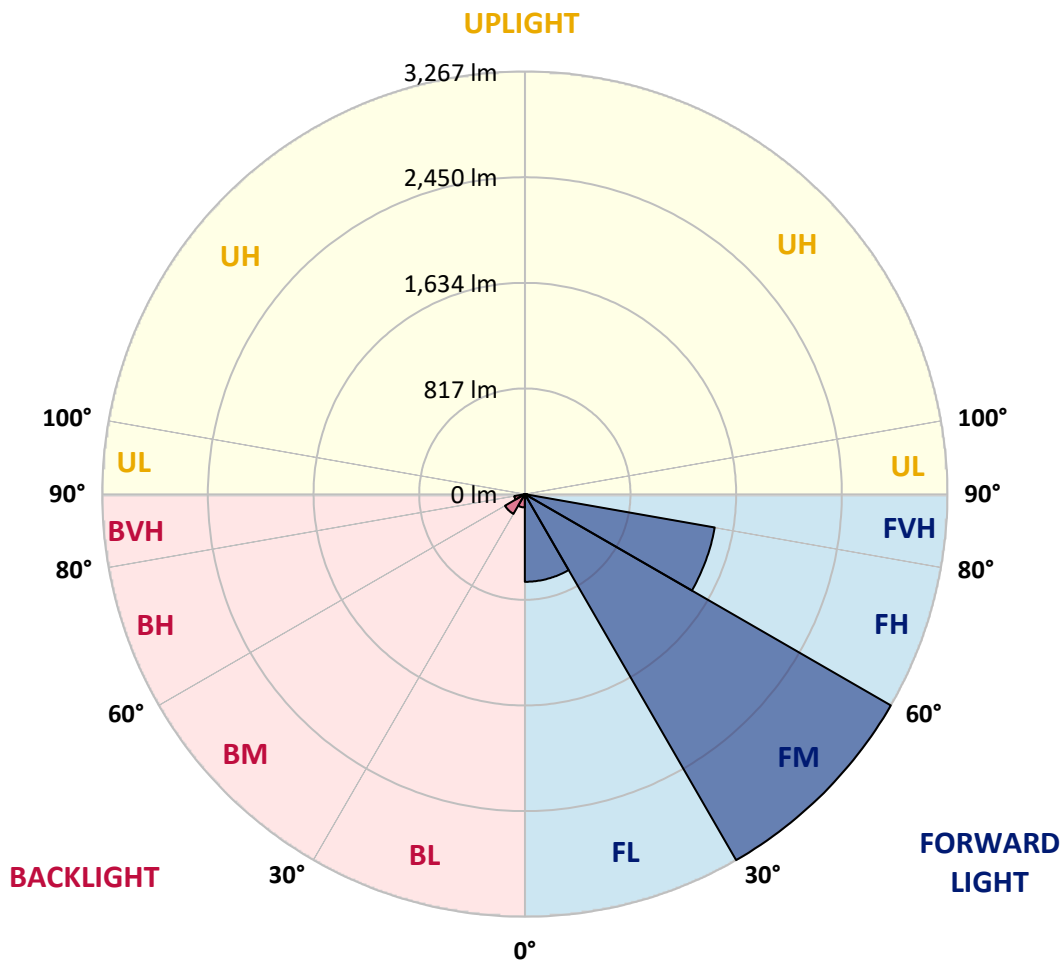
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	677.6	11.6			
FM (30°-60°)	3267.1	56.2			
FH (60°-80°)	1490.6	25.6			G1/1800
FVH (80°-90°)	18.4	0.3			G1/100
BL (0°-30°)	103.1	1.8	B0/110		
BM (30°-60°)	176.9	3.0	B0/220		
BH (60°-80°)	82.5	1.4	B0/110		G0/110
BVH (80°-90°)	1.1	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°	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2
2.5°	836.6	806.1	811.9	799.3	783.0	745.2	705.3	665.4	629.7	621.8	586.1
5°	1071.3	1061.8	1051.9	1043.5	1009.3	962.1	890.1	798.7	716.3	702.1	628.1
7.5°	1253.5	1239.3	1248.3	1222.5	1186.8	1141.1	1049.8	952.1	825.0	804.0	689.0
10°	1388.0	1380.1	1384.3	1372.2	1354.9	1309.2	1218.9	1096.5	949.5	909.6	757.3
12.5°	1488.8	1490.4	1508.7	1509.8	1495.6	1458.3	1362.8	1235.1	1062.4	1026.7	832.9
15°	1562.3	1563.9	1586.5	1610.6	1626.9	1607.5	1520.8	1378.0	1195.2	1146.4	912.2
17.5°	1574.4	1575.4	1615.4	1664.2	1714.6	1731.4	1664.7	1519.8	1316.5	1260.9	1003.0
20°	1582.3	1591.2	1626.9	1683.1	1762.9	1814.9	1778.7	1655.8	1434.2	1369.6	1092.3
22.5°	1677.8	1677.8	1698.8	1738.8	1802.3	1883.7	1876.3	1780.8	1548.7	1484.6	1181.1
25°	1880.5	1880.5	1860.1	1849.6	1883.7	1947.8	1966.1	1914.2	1679.4	1603.8	1274.5
27.5°	2148.9	2148.9	2116.9	2039.7	2010.3	2037.0	2056.5	2030.2	1800.2	1725.6	1373.3
30°	2427.2	2436.7	2381.0	2282.8	2179.9	2159.4	2140.5	2134.7	1928.9	1844.8	1473.6
32.5°	2706.6	2705.6	2636.2	2513.9	2379.4	2307.0	2245.5	2238.7	2065.4	1983.0	1568.6
35°	2929.8	2930.3	2857.3	2731.8	2576.4	2483.9	2385.2	2353.2	2215.1	2123.2	1682.0
37.5°	3123.0	3112.0	3033.2	2914.0	2769.1	2673.5	2550.6	2467.1	2370.0	2276.5	1795.5
40°	3233.9	3219.1	3142.5	3029.0	2919.3	2846.3	2738.1	2604.7	2540.1	2439.3	1924.7
42.5°	3250.1	3237.5	3186.6	3118.3	3028.5	2964.5	2935.6	2760.2	2718.7	2627.3	2079.1
45°	3204.4	3184.0	3167.2	3131.4	3106.2	3075.3	3114.6	2925.6	2923.5	2832.6	2231.9
47.5°	3091.0	3063.2	3067.4	3106.8	3135.1	3163.0	3285.8	3142.5	3129.9	3044.8	2432.5
50°	2897.2	2883.6	2929.8	3007.5	3119.9	3231.2	3456.5	3364.1	3414.0	3334.2	2709.2
52.5°	2503.4	2520.2	2658.3	2845.2	3039.5	3263.3	3616.7	3694.9	3822.5	3756.9	2987.6
55°	2030.7	2024.4	2208.8	2540.7	2851.0	3242.8	3686.5	3889.8	4090.4	4021.6	3142.5
57.5°	1635.8	1646.9	1771.3	2099.5	2531.2	3084.7	3702.8	3991.6	4198.0	4152.3	3285.8
60°	1227.8	1238.3	1351.7	1637.4	2105.8	2754.9	3568.4	4027.3	4400.2	4365.5	3514.8
62.5°	781.4	795.1	909.0	1186.8	1609.6	2242.4	3266.4	3990.1	4611.3	4640.2	3827.3
65°	384.4	396.5	480.5	693.2	1076.0	1676.8	2845.2	3847.7	4880.2	4962.6	4077.8
67.5°	212.7	218.5	247.3	352.9	600.2	1150.1	2286.5	3543.7	5003.6	5113.9	4094.6
70°	165.4	167.0	178.0	205.9	292.5	674.8	1626.4	3037.4	4747.8	4881.2	3753.7
72.5°	139.2	141.3	146.5	156.0	182.8	351.3	1021.9	2347.4	3994.8	4055.2	2904.1
75°	101.9	105.0	119.7	128.1	144.4	213.2	450.6	1410.5	2639.9	2580.6	1624.8
77.5°	85.6	88.2	91.9	104.0	119.2	145.5	158.1	591.3	1074.4	934.2	426.4
80°	58.3	61.4	71.4	77.7	100.8	96.1	65.6	158.6	215.8	175.9	81.9
82.5°	41.5	44.1	49.4	63.5	73.0	50.9	35.7	48.3	52.0	49.4	26.8
85°	13.1	16.8	35.7	52.5	39.4	17.3	22.6	18.4	16.3	15.8	10.5
87.5°	2.6	2.6	17.9	21.0	15.8	8.9	7.9	5.8	7.4	7.4	5.8
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°	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2
2.5°	569.3	545.6	511.5	479.5	446.9	423.8	407.5	391.2	384.9	382.3	375.5
5°	594.5	549.3	481.6	426.9	387.0	361.8	346.6	333.5	325.1	322.4	318.8
7.5°	630.7	565.6	468.4	405.4	365.5	338.2	313.5	285.2	262.6	253.6	250.0
10°	670.1	590.3	470.5	401.2	348.2	288.3	233.2	187.5	167.5	160.2	154.9
12.5°	727.9	617.6	479.5	396.5	296.2	205.9	149.1	130.2	125.5	124.5	123.4
15°	785.6	655.9	494.2	365.0	221.1	140.2	123.9	117.1	114.5	111.9	111.9
17.5°	843.9	692.7	499.9	303.5	152.8	121.3	112.9	107.1	102.9	100.8	99.3
20°	909.6	731.5	483.1	228.4	122.4	110.8	101.4	94.5	90.9	88.7	87.2
22.5°	980.4	769.9	446.4	159.1	111.3	99.8	90.9	84.0	80.3	78.2	77.7
25°	1047.1	802.9	387.6	119.7	100.3	89.3	80.9	75.1	72.5	70.4	69.8
27.5°	1115.9	831.3	310.9	105.6	91.4	80.9	72.5	67.7	65.1	63.5	63.0
30°	1183.2	850.7	231.6	96.6	83.5	73.0	65.6	62.0	59.3	57.8	57.2
32.5°	1252.5	861.8	156.5	88.7	75.6	66.2	59.9	56.2	54.6	53.0	53.0
35°	1319.2	860.2	112.9	81.4	69.3	59.9	54.1	51.5	50.9	49.4	49.4
37.5°	1392.2	849.2	96.1	74.6	62.5	54.1	49.4	47.8	47.3	46.2	45.7
40°	1475.1	824.5	87.7	69.3	56.7	49.4	45.2	44.1	43.6	42.5	42.5
42.5°	1566.0	792.4	83.0	63.5	52.0	44.6	41.5	39.9	39.4	38.3	38.3
45°	1671.5	762.0	79.8	57.8	47.8	41.0	37.8	36.2	35.7	34.7	34.7
47.5°	1815.4	744.7	74.6	52.5	43.1	37.3	34.1	33.1	32.0	31.0	31.0
50°	2013.4	724.2	67.7	47.3	39.4	33.6	31.5	29.9	29.4	28.4	28.4
52.5°	2176.2	680.6	60.9	42.0	35.2	31.0	28.9	27.8	26.8	26.3	26.3
55°	2233.4	629.7	54.1	37.8	32.0	28.9	26.8	25.7	25.2	24.7	24.7
57.5°	2324.8	613.4	47.8	33.6	28.9	26.8	24.7	24.2	23.6	23.1	22.6
60°	2480.8	622.8	42.0	29.9	26.3	24.2	22.6	22.1	21.0	20.0	20.0
62.5°	2632.0	611.3	35.7	26.3	22.6	21.5	20.0	18.9	16.8	15.2	14.2
65°	2668.8	534.1	31.0	22.1	18.9	17.9	16.3	14.2	11.0	8.9	8.9
67.5°	2490.8	405.9	26.8	18.9	15.8	14.7	11.6	9.5	6.8	5.3	5.3
70°	2055.4	257.3	22.1	14.7	13.1	10.0	7.4	6.8	4.7	4.2	3.7
72.5°	1483.0	140.7	18.4	12.1	9.5	6.3	5.3	4.2	3.2	2.1	2.1
75°	751.0	66.2	13.7	9.5	6.3	4.2	3.2	2.1	2.1	1.6	1.6
77.5°	212.7	30.5	8.9	6.3	4.2	2.6	2.1	1.6	1.6	1.1	1.1
80°	42.0	15.2	5.8	4.2	3.2	2.1	1.6	1.1	1.1	0.5	0.5
82.5°	15.2	7.9	4.2	3.2	2.6	2.1	1.1	0.5	0.5	0.0	0.0
85°	7.9	4.2	3.2	2.6	2.1	1.6	1.1	0.5	0.0	0.0	0.0
87.5°	4.2	3.2	2.6	2.6	2.1	1.6	1.1	0.5	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)