

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: P674640

Luminaire Tested: **CCP-SA-1F-850-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674640
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-850-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1200mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

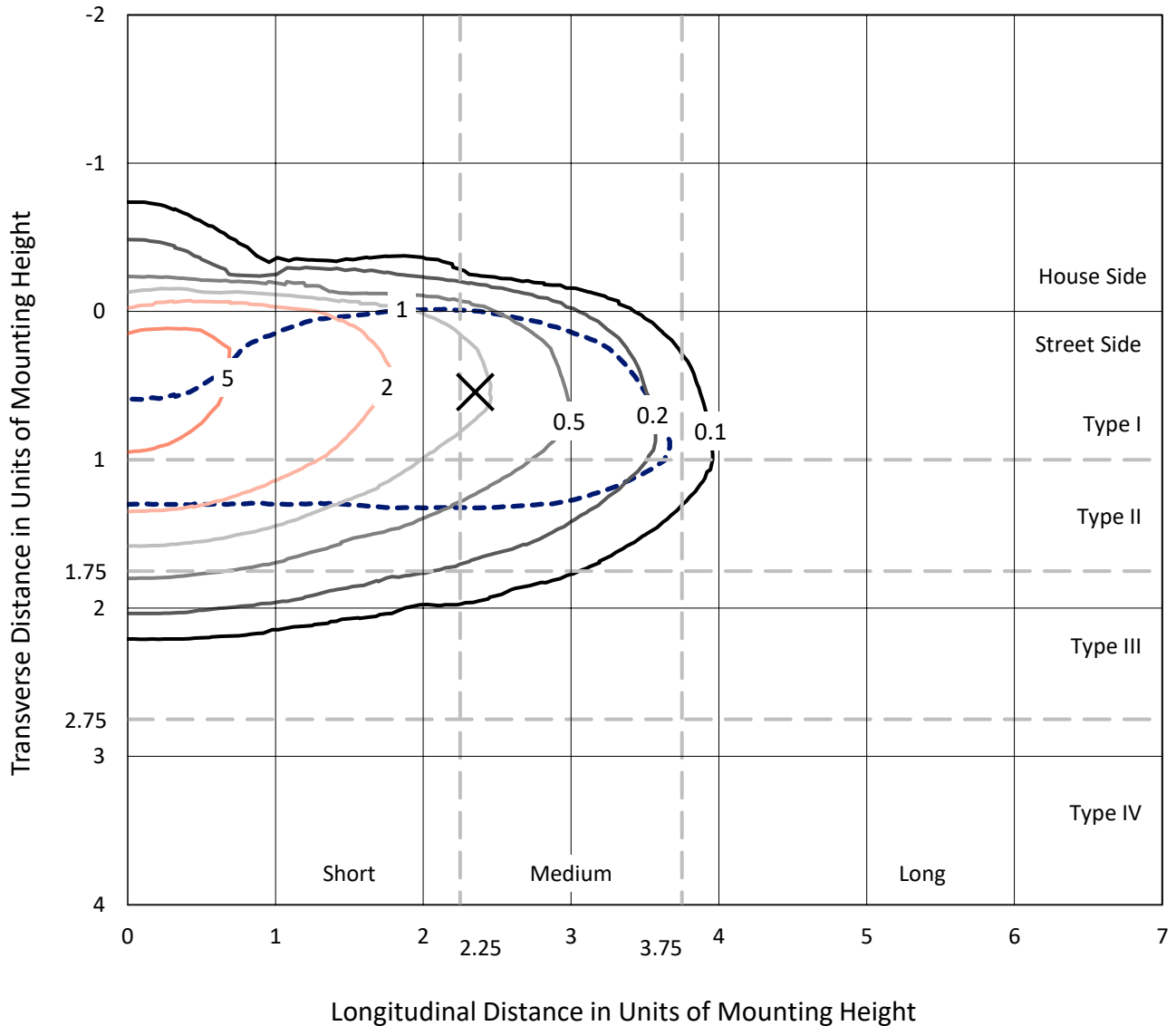
Lumens per Lamp: N/A
Luminaire Lumens: 5297.5 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

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

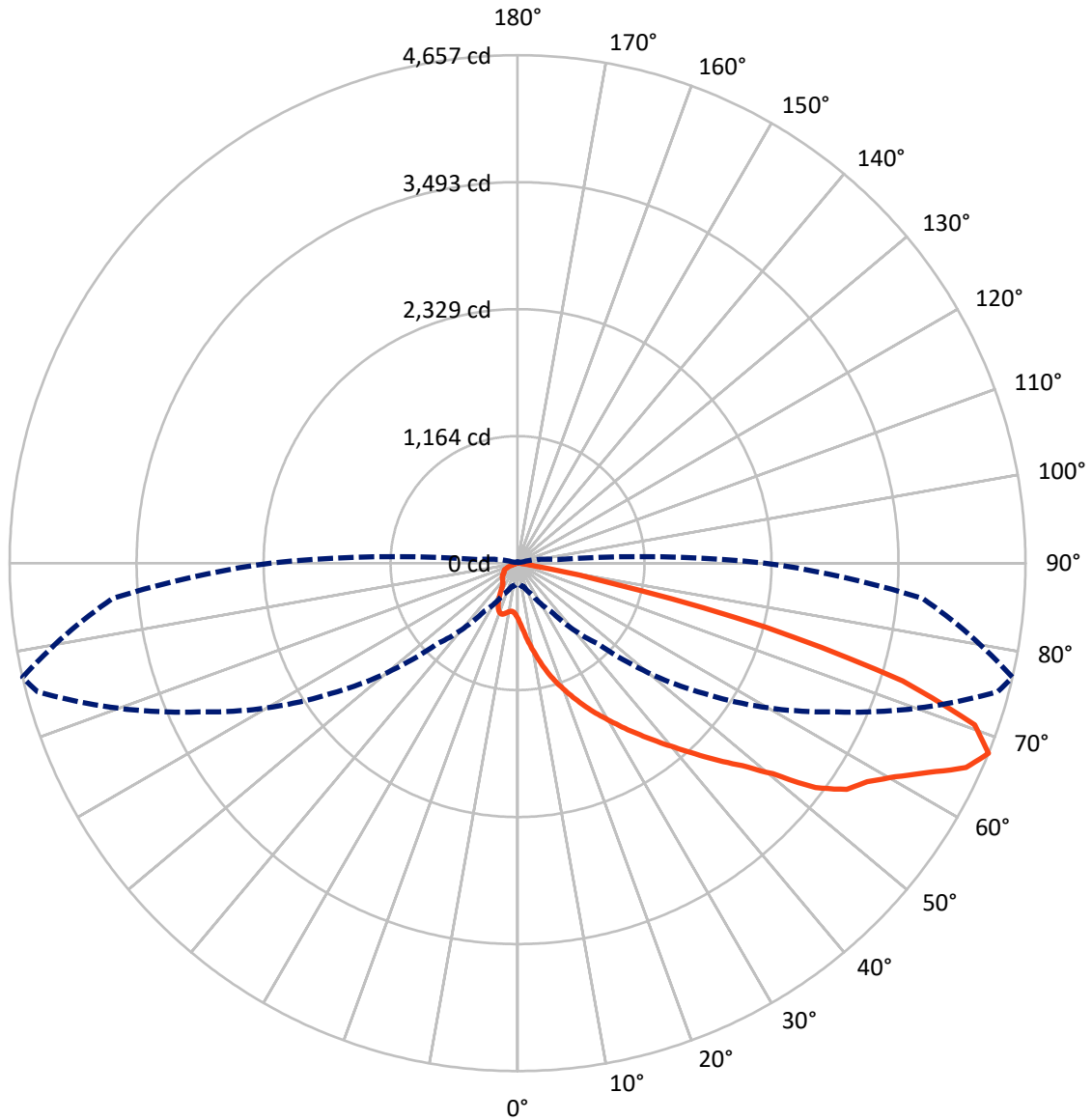
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.5 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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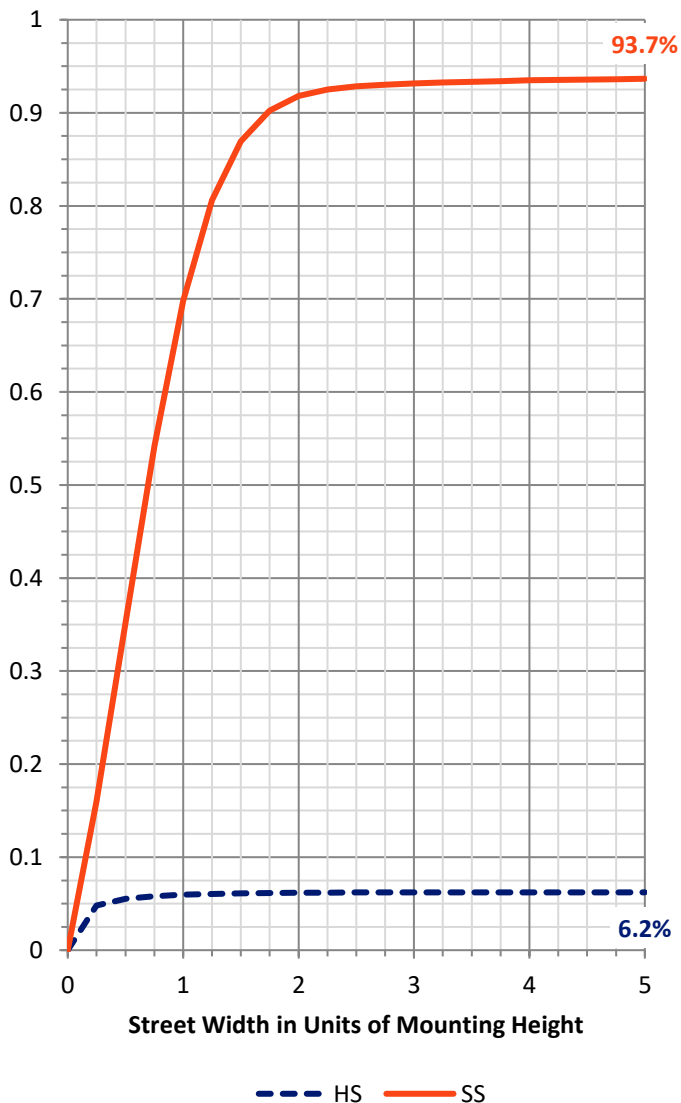
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	331.0	0.0	331.0
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	4966.4	0.0	4966.4
	% Fixture	93.8	0.0	93.8
Total	Lumens	5297.5	0.0	5297.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	1.1
10°-20°	220.5	4.2
20°-30°	430.8	8.1
30°-40°	753.2	14.2
40°-50°	1098.5	20.7
50°-60°	1284.5	24.2
60°-70°	1041.3	19.7
70°-80°	391.2	7.4
80°-90°	17.8	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°	5297.5	100.0
0°-180°	5297.5	100.0



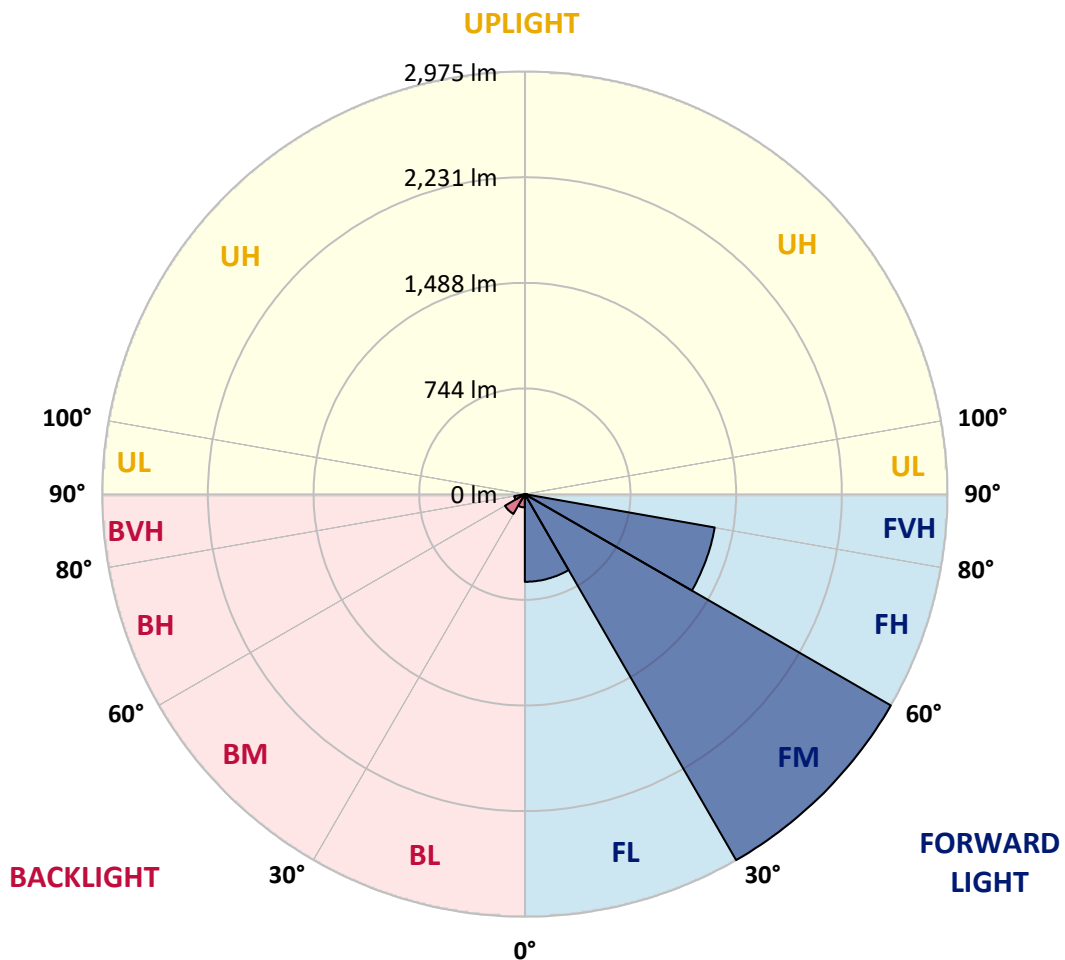
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	617.1	11.6			
FM (30°-60°)	2975.2	56.2			
FH (60°-80°)	1357.4	25.6			G1/1800
FVH (80°-90°)	16.8	0.3			G1/100
BL (0°-30°)	93.9	1.8	B0/110		
BM (30°-60°)	161.1	3.0	B0/220		
BH (60°-80°)	75.1	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: 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°	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4
2.5°	761.8	734.1	739.3	727.9	713.0	678.6	642.3	605.9	573.4	566.2	533.7
5°	975.6	967.0	957.9	950.2	919.1	876.1	810.6	727.4	652.3	639.4	572.0
7.5°	1141.5	1128.6	1136.7	1113.3	1080.8	1039.2	956.0	867.0	751.3	732.2	627.4
10°	1263.9	1256.8	1260.6	1249.6	1233.8	1192.2	1110.0	998.5	864.6	828.3	689.6
12.5°	1355.8	1357.2	1373.9	1374.9	1362.0	1328.0	1241.0	1124.8	967.4	934.9	758.5
15°	1422.7	1424.2	1444.7	1466.7	1481.5	1463.8	1384.9	1254.9	1088.4	1044.0	830.7
17.5°	1433.7	1434.7	1471.0	1515.5	1561.4	1576.7	1516.0	1384.0	1198.9	1148.2	913.4
20°	1440.9	1449.0	1481.5	1532.7	1605.4	1652.7	1619.7	1507.8	1306.0	1247.2	994.7
22.5°	1527.9	1527.9	1547.1	1583.4	1641.3	1715.4	1708.7	1621.7	1410.3	1351.9	1075.5
25°	1712.5	1712.5	1693.9	1684.3	1715.4	1773.7	1790.5	1743.1	1529.4	1460.5	1160.7
27.5°	1956.9	1956.9	1927.7	1857.4	1830.6	1855.0	1872.7	1848.8	1639.4	1571.4	1250.6
30°	2210.4	2219.0	2168.3	2078.8	1985.1	1966.5	1949.2	1944.0	1756.5	1680.0	1341.9
32.5°	2464.8	2463.8	2400.7	2289.3	2166.8	2100.8	2044.9	2038.7	1880.9	1805.8	1428.5
35°	2668.0	2668.5	2602.0	2487.7	2346.2	2262.0	2172.1	2142.9	2017.2	1933.5	1531.8
37.5°	2844.0	2834.0	2762.2	2653.7	2521.7	2434.6	2322.7	2246.7	2158.2	2073.1	1635.1
40°	2944.9	2931.5	2861.7	2758.4	2658.5	2592.0	2493.5	2372.0	2313.2	2221.4	1752.7
42.5°	2959.7	2948.3	2901.9	2839.7	2757.9	2699.6	2673.3	2513.5	2475.8	2392.6	1893.3
45°	2918.1	2899.5	2884.2	2851.7	2828.7	2800.5	2836.4	2664.2	2662.3	2579.5	2032.5
47.5°	2814.8	2789.5	2793.3	2829.2	2855.0	2880.3	2992.3	2861.7	2850.2	2772.7	2215.1
50°	2638.4	2625.9	2668.0	2738.8	2841.1	2942.5	3147.7	3063.5	3108.9	3036.2	2467.2
52.5°	2279.7	2295.0	2420.8	2591.0	2768.0	2971.7	3293.5	3364.8	3481.0	3421.2	2720.6
55°	1849.3	1843.6	2011.4	2313.7	2596.3	2953.0	3357.1	3542.2	3724.9	3662.2	2861.7
57.5°	1489.7	1499.7	1613.1	1911.9	2305.0	2809.1	3372.0	3635.0	3822.9	3781.3	2992.3
60°	1118.1	1127.7	1231.0	1491.1	1917.7	2508.8	3249.5	3667.5	4007.0	3975.5	3200.8
62.5°	711.6	724.0	827.8	1080.8	1465.8	2042.0	2974.6	3633.6	4199.3	4225.6	3485.3
65°	350.1	361.1	437.6	631.3	979.9	1527.0	2591.0	3504.0	4444.1	4519.2	3713.4
67.5°	193.7	198.9	225.2	321.4	546.6	1047.3	2082.2	3227.1	4556.5	4657.0	3728.7
70°	150.6	152.1	162.1	187.5	266.4	614.5	1481.1	2766.1	4323.6	4445.1	3418.4
72.5°	126.7	128.6	133.4	142.0	166.4	319.9	930.6	2137.7	3637.9	3692.9	2644.6
75°	92.8	95.6	109.0	116.7	131.5	194.2	410.3	1284.5	2404.0	2350.0	1479.6
77.5°	78.0	80.3	83.7	94.7	108.6	132.5	143.9	538.5	978.4	850.8	388.3
80°	53.1	56.0	65.0	70.8	91.8	87.5	59.8	144.4	196.6	160.2	74.6
82.5°	37.8	40.2	45.0	57.9	66.5	46.4	32.5	44.0	47.3	45.0	24.4
85°	12.0	15.3	32.5	47.8	35.9	15.8	20.6	16.7	14.8	14.3	9.6
87.5°	2.4	2.4	16.3	19.1	14.3	8.1	7.2	5.3	6.7	6.7	5.3
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°	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4
2.5°	518.4	496.9	465.8	436.6	407.0	385.9	371.1	356.3	350.5	348.1	341.9
5°	541.4	500.2	438.5	388.8	352.5	329.5	315.6	303.7	296.0	293.6	290.3
7.5°	574.3	515.0	426.6	369.2	332.8	308.0	285.5	259.7	239.1	231.0	227.6
10°	610.2	537.5	428.5	365.4	317.1	262.5	212.3	170.7	152.6	145.9	141.1
12.5°	662.8	562.4	436.6	361.1	269.7	187.5	135.8	118.6	114.3	113.3	112.4
15°	715.4	597.3	450.0	332.4	201.3	127.7	112.9	106.6	104.3	101.9	101.9
17.5°	768.5	630.8	455.3	276.4	139.2	110.5	102.8	97.6	93.7	91.8	90.4
20°	828.3	666.2	440.0	208.0	111.4	100.9	92.3	86.1	82.7	80.8	79.4
22.5°	892.8	701.1	406.5	144.9	101.4	90.9	82.7	76.5	73.2	71.3	70.8
25°	953.6	731.2	352.9	109.0	91.3	81.3	73.6	68.4	66.0	64.1	63.6
27.5°	1016.2	757.0	283.1	96.1	83.2	73.6	66.0	61.7	59.3	57.9	57.4
30°	1077.4	774.7	210.9	88.0	76.0	66.5	59.8	56.4	54.0	52.6	52.1
32.5°	1140.6	784.8	142.5	80.8	68.9	60.3	54.5	51.2	49.7	48.3	48.3
35°	1201.3	783.3	102.8	74.1	63.1	54.5	49.3	46.9	46.4	45.0	45.0
37.5°	1267.8	773.3	87.5	67.9	56.9	49.3	45.0	43.5	43.0	42.1	41.6
40°	1343.3	750.8	79.9	63.1	51.6	45.0	41.1	40.2	39.7	38.7	38.7
42.5°	1426.1	721.6	75.6	57.9	47.3	40.6	37.8	36.3	35.9	34.9	34.9
45°	1522.2	693.9	72.7	52.6	43.5	37.3	34.4	33.0	32.5	31.6	31.6
47.5°	1653.2	678.1	67.9	47.8	39.2	34.0	31.1	30.1	29.2	28.2	28.2
50°	1833.5	659.5	61.7	43.0	35.9	30.6	28.7	27.3	26.8	25.8	25.8
52.5°	1981.8	619.8	55.5	38.3	32.0	28.2	26.3	25.3	24.4	23.9	23.9
55°	2033.9	573.4	49.3	34.4	29.2	26.3	24.4	23.4	23.0	22.5	22.5
57.5°	2117.1	558.6	43.5	30.6	26.3	24.4	22.5	22.0	21.5	21.0	20.6
60°	2259.1	567.2	38.3	27.3	23.9	22.0	20.6	20.1	19.1	18.2	18.2
62.5°	2396.9	556.7	32.5	23.9	20.6	19.6	18.2	17.2	15.3	13.9	12.9
65°	2430.3	486.4	28.2	20.1	17.2	16.3	14.8	12.9	10.0	8.1	8.1
67.5°	2268.2	369.7	24.4	17.2	14.3	13.4	10.5	8.6	6.2	4.8	4.8
70°	1871.8	234.3	20.1	13.4	12.0	9.1	6.7	6.2	4.3	3.8	3.3
72.5°	1350.5	128.2	16.7	11.0	8.6	5.7	4.8	3.8	2.9	1.9	1.9
75°	683.9	60.3	12.4	8.6	5.7	3.8	2.9	1.9	1.9	1.4	1.4
77.5°	193.7	27.7	8.1	5.7	3.8	2.4	1.9	1.4	1.4	1.0	1.0
80°	38.3	13.9	5.3	3.8	2.9	1.9	1.4	1.0	1.0	0.5	0.5
82.5°	13.9	7.2	3.8	2.9	2.4	1.9	1.0	0.5	0.5	0.0	0.0
85°	7.2	3.8	2.9	2.4	1.9	1.4	1.0	0.5	0.0	0.0	0.0
87.5°	3.8	2.9	2.4	2.4	1.9	1.4	1.0	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)