

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: P672115

Luminaire Tested: **CCP-SA-1F-740-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672115
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-740-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ T2R distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

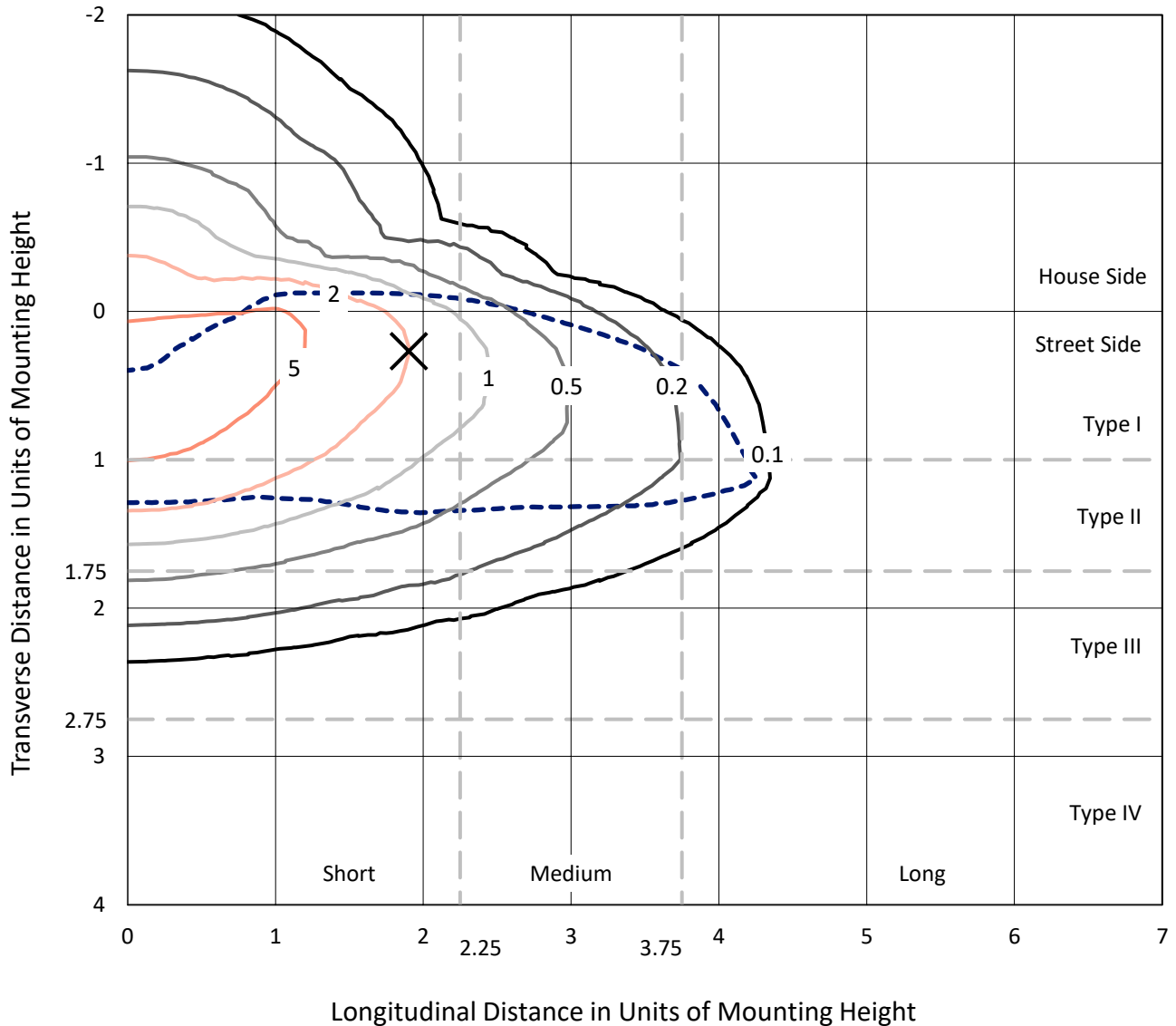
Lumens per Lamp: N/A
Luminaire Lumens: 7615.9 lumens
Efficiency: N/A
Efficacy: 113.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

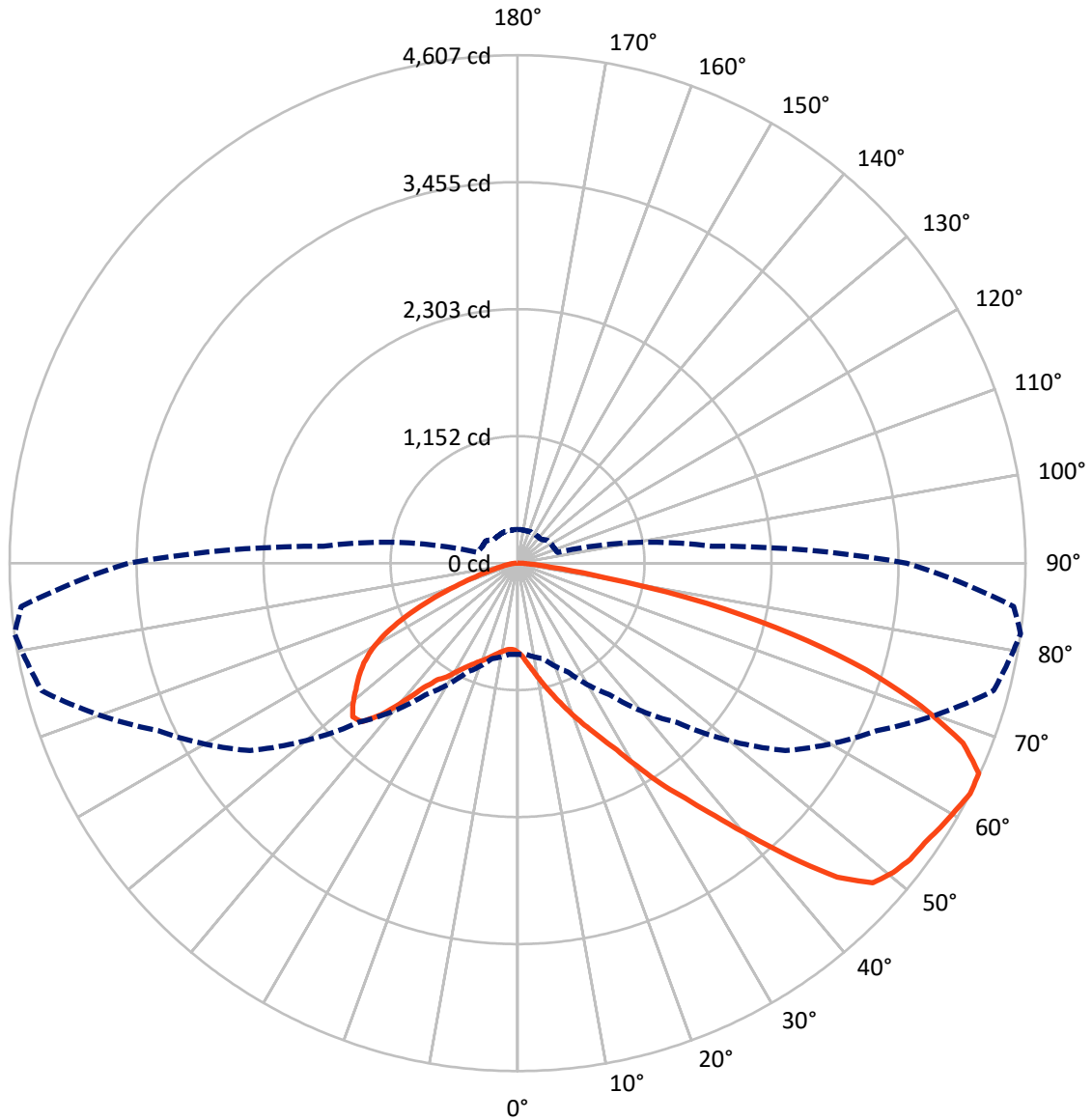
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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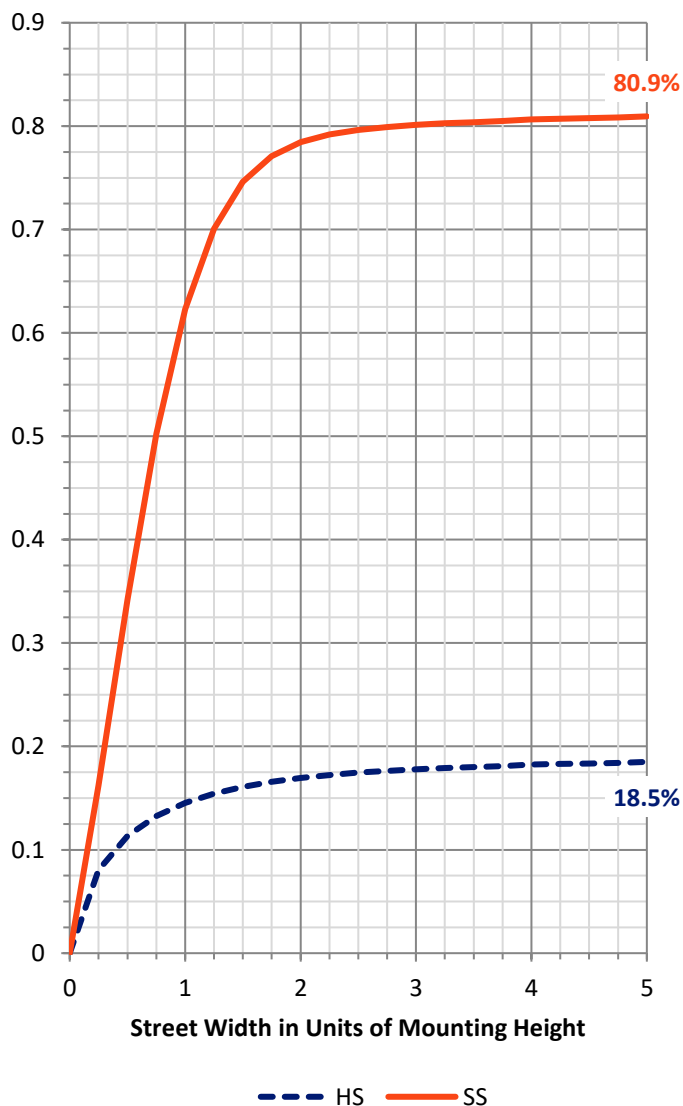
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1434.8	0.0	1434.8
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	6181.1	0.0	6181.1
	% Fixture	81.2	0.0	81.2
Total	Lumens	7615.9	0.0	7615.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.6	1.2
10°-20°	338.0	4.4
20°-30°	700.0	9.2
30°-40°	1188.2	15.6
40°-50°	1618.0	21.2
50°-60°	1637.8	21.5
60°-70°	1290.8	16.9
70°-80°	635.8	8.3
80°-90°	117.6	1.5
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°	7615.9	100.0
0°-180°	7615.9	100.0



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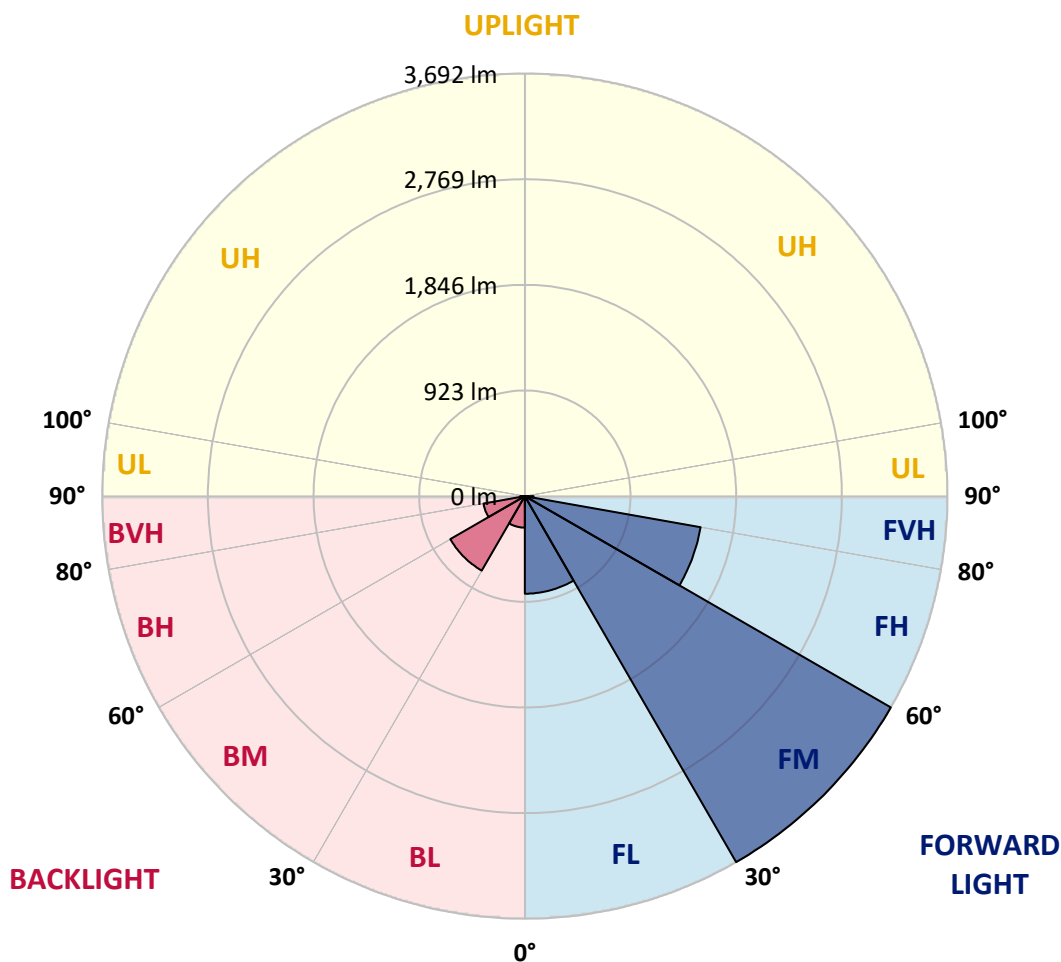
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	852.4	11.2			
FM (30°-60°)	3692.4	48.5			
FH (60°-80°)	1559.8	20.5			G1/1800
FVH (80°-90°)	76.4	1.0			G1/100
BL (0°-30°)	275.3	3.6	B1/500		
BM (30°-60°)	751.5	9.9	B1/1000		
BH (60°-80°)	366.8	4.8	B1/500		G1/500
BVH (80°-90°)	41.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9
2.5°	1078.6	1062.1	1053.4	1043.5	1016.1	998.5	965.6	927.2	882.8	845.0	837.9
5°	1306.1	1289.7	1291.9	1267.8	1227.7	1190.4	1129.0	1056.6	972.2	907.5	885.0
7.5°	1466.8	1448.7	1453.1	1443.2	1410.9	1369.7	1291.9	1198.7	1075.3	979.3	943.1
10°	1574.3	1576.5	1579.8	1575.9	1555.1	1526.0	1448.7	1345.6	1192.1	1064.3	1015.0
12.5°	1696.0	1702.0	1700.9	1702.6	1691.6	1668.6	1592.9	1495.9	1316.6	1155.9	1091.7
15°	1851.2	1845.2	1850.1	1857.2	1845.2	1819.9	1753.0	1637.9	1447.1	1257.9	1178.4
17.5°	2021.2	2008.6	2021.7	2014.6	2005.8	1989.4	1915.9	1793.1	1582.0	1368.1	1274.9
20°	2168.1	2159.9	2167.0	2168.1	2169.8	2166.5	2090.8	1960.3	1723.4	1488.2	1379.1
22.5°	2333.2	2329.3	2328.2	2328.8	2330.4	2334.3	2282.7	2143.5	1880.3	1614.3	1491.5
25°	2564.0	2560.2	2535.0	2507.0	2490.6	2502.6	2475.7	2351.3	2053.5	1755.8	1614.9
27.5°	2822.8	2816.8	2783.4	2712.6	2660.0	2668.8	2666.0	2580.5	2253.1	1918.1	1762.9
30°	3091.5	3076.7	3030.7	2931.4	2848.6	2833.3	2840.9	2812.4	2504.3	2133.6	1969.1
32.5°	3331.2	3303.7	3242.9	3142.5	3043.8	2999.4	3000.5	3013.1	2777.3	2384.7	2185.1
35°	3477.6	3459.5	3414.0	3312.5	3202.3	3172.7	3164.5	3227.5	3027.9	2617.2	2378.7
37.5°	3556.5	3539.0	3490.2	3408.5	3325.1	3313.1	3328.4	3426.0	3312.5	2907.3	2641.9
40°	3542.3	3523.6	3491.8	3434.8	3380.0	3389.3	3457.3	3608.1	3623.4	3254.4	3017.0
42.5°	3424.9	3405.2	3402.4	3398.6	3372.8	3414.0	3536.8	3741.3	3909.1	3655.2	3471.0
45°	3217.6	3205.6	3219.8	3285.6	3318.0	3397.5	3574.1	3806.0	4160.2	4062.6	3900.3
47.5°	2955.0	2947.9	2980.2	3084.4	3189.1	3347.1	3598.7	3823.6	4333.0	4333.0	4181.6
50°	2661.1	2658.3	2701.1	2852.5	3016.4	3254.4	3596.0	3840.0	4408.6	4412.5	4280.9
52.5°	2250.9	2265.2	2379.2	2578.8	2801.5	3109.1	3557.6	3886.1	4451.4	4460.2	4347.2
55°	1778.3	1792.0	1964.1	2232.8	2518.0	2932.5	3443.0	3872.4	4459.6	4479.4	4385.1
57.5°	1419.6	1422.4	1529.9	1849.0	2202.1	2706.6	3310.9	3781.3	4435.5	4521.6	4443.2
60°	1110.9	1119.7	1191.5	1444.3	1835.8	2415.4	3163.4	3691.4	4449.2	4561.6	4495.8
62.5°	827.4	829.6	896.5	1092.3	1458.6	2044.2	2963.2	3595.5	4468.4	4606.6	4517.2
65°	539.0	538.5	603.2	779.7	1089.5	1643.4	2649.0	3445.2	4470.1	4596.7	4419.1
67.5°	342.7	344.9	372.9	484.2	729.3	1240.3	2221.3	3166.1	4392.2	4357.6	4061.5
70°	278.0	278.6	287.3	316.4	444.2	847.7	1669.7	2729.6	4146.0	3881.1	3530.2
72.5°	247.8	248.4	252.8	256.1	296.1	509.4	1095.6	2216.4	3708.4	3308.1	2928.7
75°	222.6	222.6	225.4	222.1	242.9	319.7	621.8	1666.4	3054.2	2576.1	2212.5
77.5°	195.2	194.7	194.7	193.0	210.0	233.6	311.5	1163.0	2199.9	1756.9	1435.0
80°	165.6	164.5	166.1	165.0	181.5	177.1	181.5	717.8	1192.6	805.5	610.8
82.5°	128.9	128.9	133.8	134.9	149.7	128.3	127.8	340.5	452.9	301.0	225.4
85°	67.4	75.7	102.0	106.4	113.0	80.6	93.8	159.0	181.5	115.2	82.3
87.5°	20.3	21.4	62.5	70.2	69.6	40.6	57.6	76.8	85.0	51.0	33.4
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°	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9
2.5°	819.8	800.6	760.0	723.8	696.4	670.1	652.0	642.7	630.6	632.2	628.4
5°	845.0	805.5	733.7	675.6	636.6	607.0	588.9	579.6	570.8	566.4	569.7
7.5°	882.8	821.4	721.1	650.9	610.3	585.1	575.2	572.5	570.3	568.6	571.4
10°	931.6	849.4	718.9	642.1	604.8	589.5	585.6	584.0	581.8	579.6	581.2
12.5°	981.5	880.1	726.5	644.3	613.6	602.1	597.1	594.9	589.5	586.7	587.3
15°	1044.0	917.4	737.0	653.1	625.1	610.3	603.7	597.7	588.9	585.1	586.7
17.5°	1110.9	961.8	751.2	661.3	629.5	611.4	598.2	589.5	580.7	575.2	575.8
20°	1186.6	1005.7	763.8	664.0	627.3	602.1	586.2	575.8	564.2	558.2	556.6
22.5°	1265.0	1051.7	773.7	661.8	615.2	586.2	568.1	555.5	541.8	532.4	533.0
25°	1360.4	1114.2	781.9	654.2	599.3	565.3	545.0	529.1	514.9	506.1	506.7
27.5°	1475.0	1185.0	791.8	642.1	580.1	542.9	519.3	503.4	489.7	481.4	480.3
30°	1628.0	1277.1	802.8	627.3	556.0	518.2	495.1	478.7	465.5	457.9	457.9
32.5°	1800.2	1389.5	810.4	609.8	529.1	491.9	471.0	457.9	448.0	437.6	436.5
35°	1949.9	1476.7	834.0	596.0	505.6	467.2	452.9	443.6	428.8	418.9	417.3
37.5°	2169.8	1630.2	903.7	592.2	477.1	448.0	445.3	427.7	410.7	392.1	390.4
40°	2524.0	1896.2	984.8	573.6	447.4	437.6	434.8	411.3	371.2	359.7	357.5
42.5°	2974.7	2216.4	993.6	519.3	426.6	428.8	420.6	374.5	357.0	348.2	346.0
45°	3381.6	2476.3	943.7	463.9	411.3	415.6	398.6	360.8	350.9	342.7	340.5
47.5°	3610.3	2556.4	849.4	422.2	399.7	404.1	363.5	354.2	344.4	336.1	333.9
50°	3674.4	2486.7	739.7	398.1	391.0	392.6	354.2	348.7	340.0	333.4	330.1
52.5°	3687.0	2382.5	638.3	383.8	384.4	369.6	346.0	341.6	336.1	325.7	321.9
55°	3692.5	2288.8	547.2	375.1	380.0	340.0	337.2	333.9	329.6	318.6	316.4
57.5°	3706.8	2168.7	476.0	368.5	374.5	326.3	327.4	325.2	319.7	314.7	313.6
60°	3666.2	2002.5	421.1	361.9	366.8	314.7	315.8	316.9	312.0	310.9	310.4
62.5°	3530.2	1766.7	374.5	353.1	350.9	303.2	303.2	307.6	303.2	304.9	304.9
65°	3250.0	1466.3	332.8	336.7	326.3	290.6	290.1	297.7	291.2	298.3	298.8
67.5°	2772.4	1109.8	290.1	310.9	300.5	277.5	279.7	285.7	276.9	291.7	291.7
70°	2194.4	755.1	245.7	274.7	274.2	262.7	269.8	269.2	259.4	281.3	277.5
72.5°	1634.6	484.7	200.1	230.3	239.6	246.8	259.9	248.4	239.1	251.7	240.2
75°	1142.2	303.8	157.9	182.0	199.6	229.2	247.8	224.8	211.1	207.3	204.0
77.5°	683.8	194.1	124.5	138.7	155.7	208.4	232.5	200.1	179.3	177.1	170.5
80°	315.3	126.7	94.9	103.6	110.8	178.8	211.7	171.1	145.9	143.7	136.0
82.5°	142.6	83.3	70.7	74.0	74.6	142.0	178.8	135.4	111.3	180.4	156.3
85°	66.3	53.7	46.1	43.9	44.4	94.9	130.0	93.2	126.7	98.7	75.1
87.5°	28.5	27.4	23.6	18.6	17.0	20.3	49.9	38.9	55.4	21.9	14.8
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)