

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: P672092

Luminaire Tested: **CCP-SA-1E-730-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672092
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-730-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ T2R distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

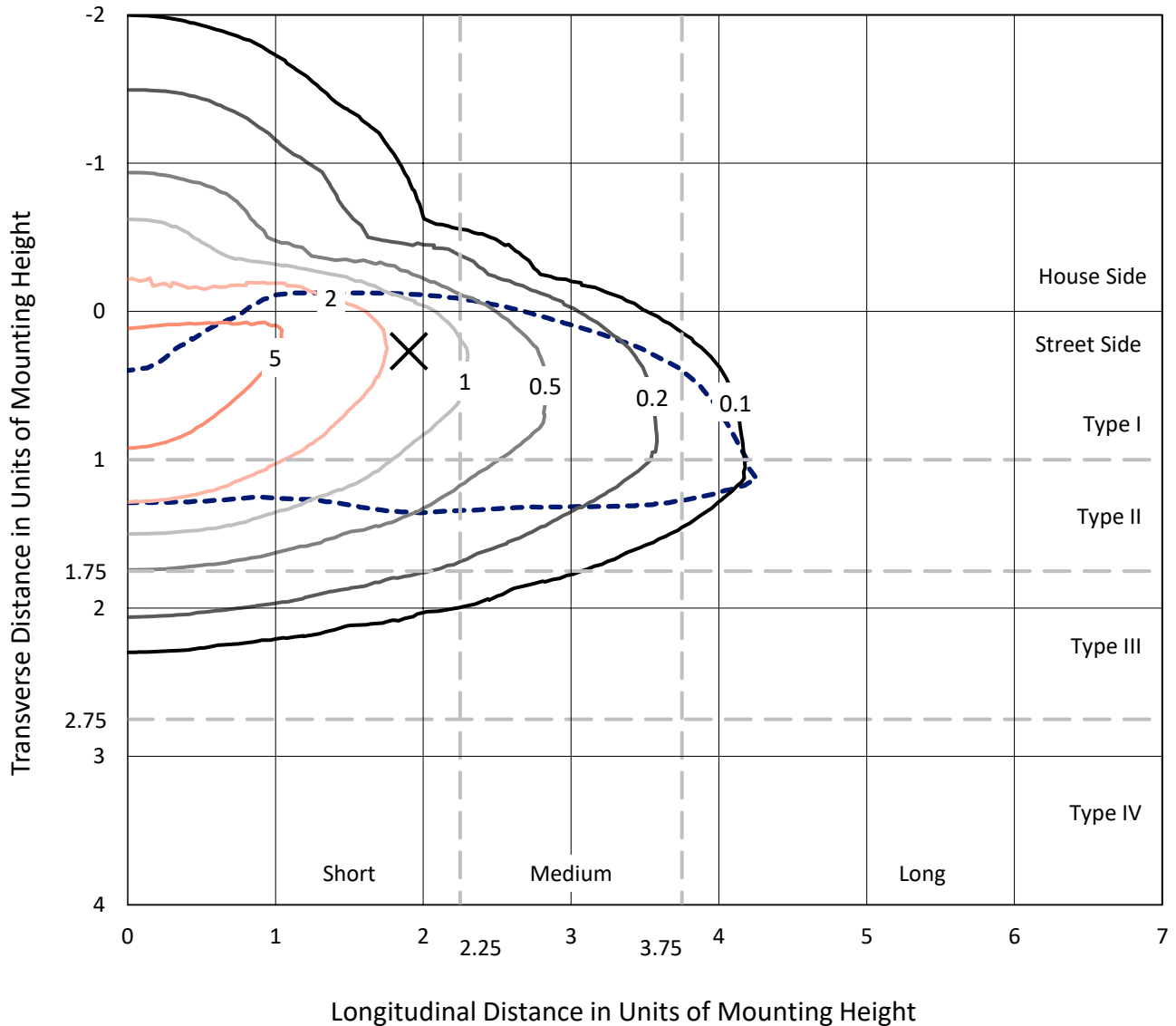
Lumens per Lamp: N/A
Luminaire Lumens: 6323.9 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (A_{in}): 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

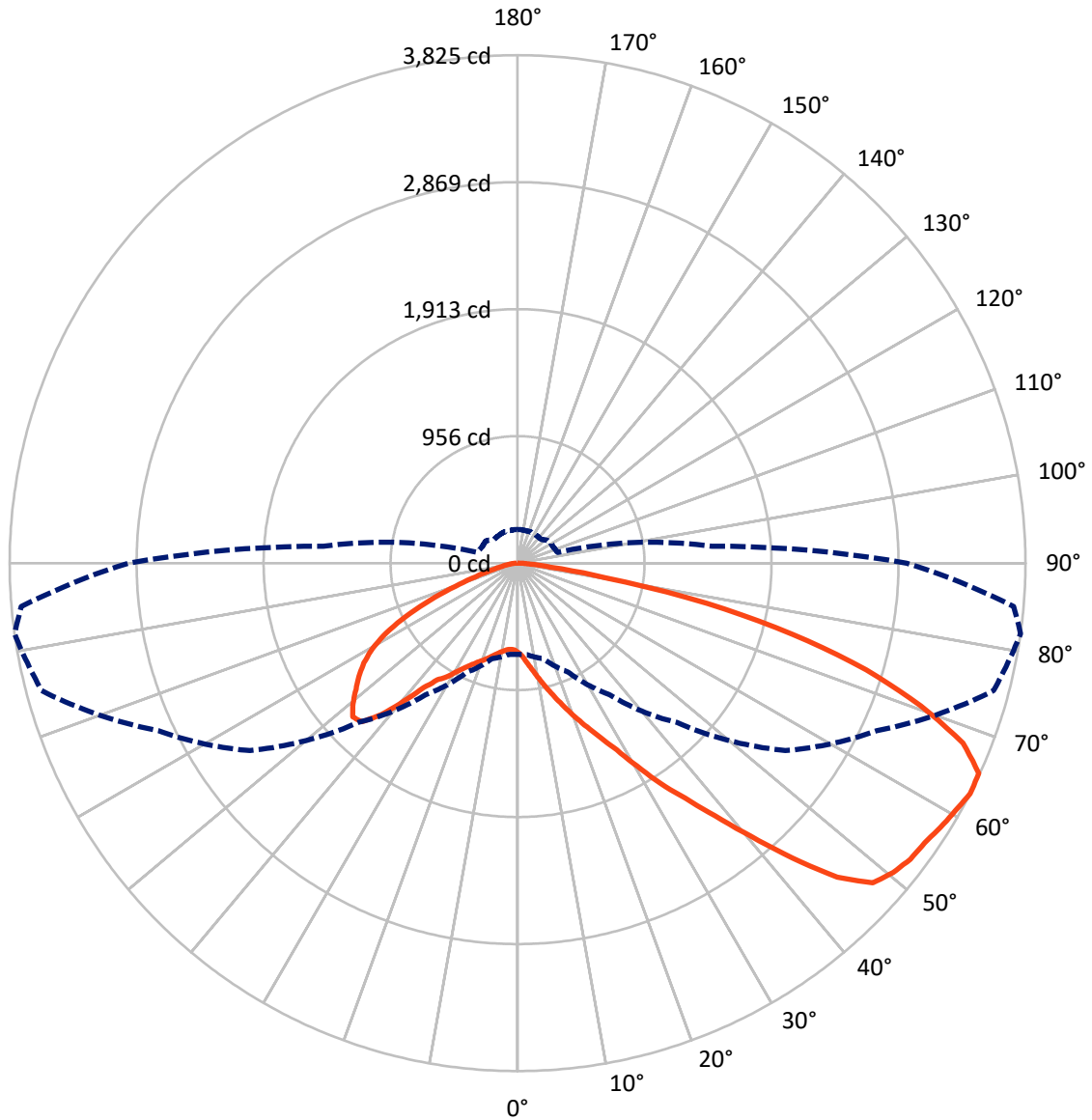
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.4 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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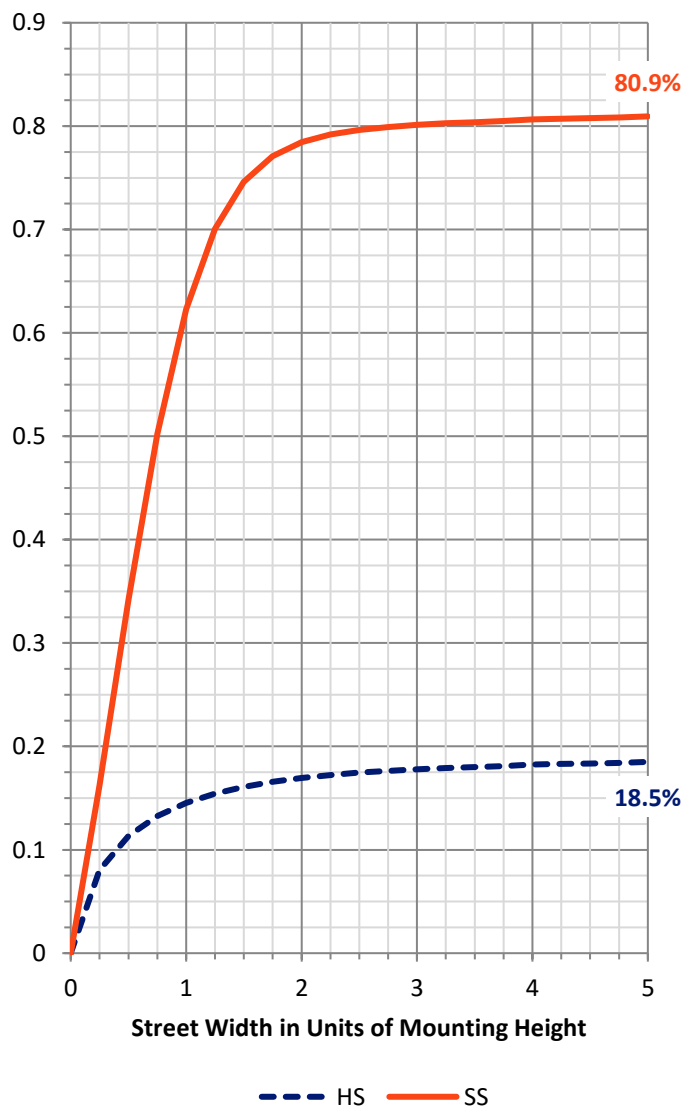
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1191.4	0.0	1191.4
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	5132.5	0.0	5132.5
	% Fixture	81.2	0.0	81.2
Total	Lumens	6323.9	0.0	6323.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	1.2
10°-20°	280.7	4.4
20°-30°	581.3	9.2
30°-40°	986.6	15.6
40°-50°	1343.5	21.2
50°-60°	1360.0	21.5
60°-70°	1071.8	16.9
70°-80°	528.0	8.3
80°-90°	97.7	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°	6323.9	100.0
0°-180°	6323.9	100.0



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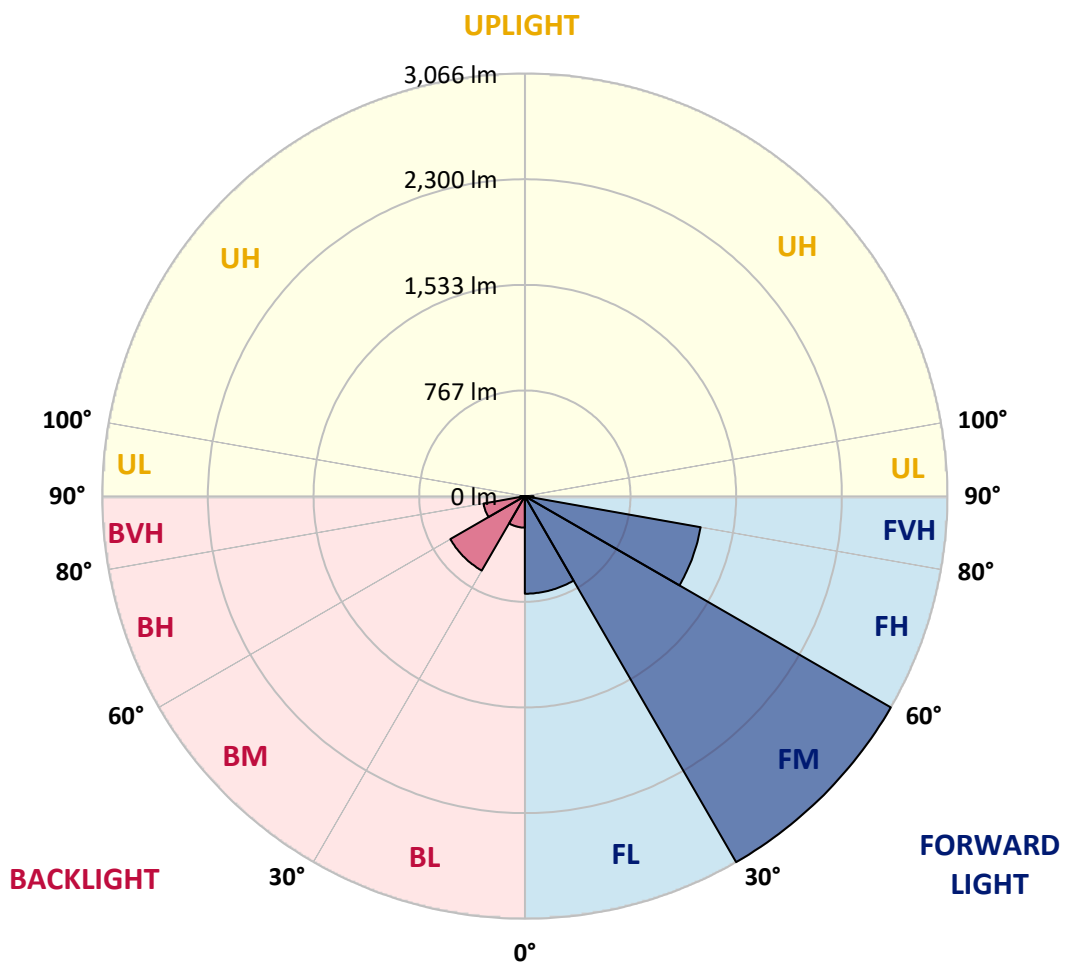
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	707.8	11.2			
FM (30°-60°)	3066.1	48.5			
FH (60°-80°)	1295.2	20.5			G1/1800
FVH (80°-90°)	63.4	1.0			G1/100
BL (0°-30°)	228.6	3.6	B1/500		
BM (30°-60°)	624.0	9.9	B1/1000		
BH (60°-80°)	304.6	4.8	B1/500		G1/500
BVH (80°-90°)	34.2	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°	672.5	672.5	672.5	672.5	672.5	672.5	672.5	672.5	672.5	672.5	672.5
2.5°	895.6	882.0	874.7	866.5	843.7	829.1	801.8	769.9	733.1	701.6	695.7
5°	1084.6	1070.9	1072.7	1052.7	1019.5	988.5	937.5	877.4	807.3	753.6	734.9
7.5°	1218.0	1203.0	1206.6	1198.4	1171.5	1137.4	1072.7	995.3	892.9	813.2	783.2
10°	1307.2	1309.0	1311.8	1308.6	1291.3	1267.2	1203.0	1117.4	989.9	883.8	842.8
12.5°	1408.3	1413.3	1412.4	1413.8	1404.7	1385.5	1322.7	1242.1	1093.2	959.8	906.5
15°	1537.2	1532.2	1536.2	1542.2	1532.2	1511.2	1455.7	1360.0	1201.6	1044.5	978.5
17.5°	1678.3	1667.8	1678.8	1672.8	1665.6	1651.9	1590.9	1488.9	1313.6	1136.0	1058.6
20°	1800.3	1793.5	1799.4	1800.3	1801.7	1799.0	1736.1	1627.8	1431.1	1235.7	1145.1
22.5°	1937.4	1934.2	1933.3	1933.7	1935.1	1938.3	1895.5	1779.8	1561.3	1340.5	1238.5
25°	2129.1	2125.9	2104.9	2081.7	2068.1	2078.1	2055.8	1952.4	1705.2	1457.9	1340.9
27.5°	2344.0	2339.0	2311.2	2252.5	2208.8	2216.0	2213.8	2142.7	1870.9	1592.7	1463.9
30°	2567.1	2554.8	2516.6	2434.1	2365.4	2352.6	2359.0	2335.3	2079.4	1771.7	1635.1
32.5°	2766.1	2743.3	2692.8	2609.4	2527.5	2490.6	2491.5	2502.0	2306.2	1980.2	1814.5
35°	2887.6	2872.6	2834.8	2750.6	2659.1	2634.5	2627.7	2680.0	2514.3	2173.2	1975.2
37.5°	2953.2	2938.6	2898.1	2830.3	2761.1	2751.0	2763.8	2844.8	2750.6	2414.1	2193.7
40°	2941.4	2925.9	2899.5	2852.1	2806.6	2814.3	2870.8	2996.0	3008.8	2702.3	2505.2
42.5°	2843.9	2827.5	2825.3	2822.1	2800.7	2834.8	2936.8	3106.6	3246.0	3035.2	2882.2
45°	2671.8	2661.8	2673.6	2728.3	2755.1	2821.2	2967.8	3160.4	3454.5	3373.5	3238.7
47.5°	2453.7	2447.8	2474.7	2561.2	2648.1	2779.3	2988.3	3174.9	3597.9	3597.9	3472.3
50°	2209.7	2207.4	2242.9	2368.6	2504.7	2702.3	2986.0	3188.6	3660.8	3664.0	3554.7
52.5°	1869.1	1880.9	1975.6	2141.4	2326.2	2581.7	2954.1	3226.9	3696.3	3703.6	3609.8
55°	1476.6	1488.0	1631.0	1854.1	2090.8	2435.1	2859.0	3215.5	3703.1	3719.5	3641.2
57.5°	1178.8	1181.1	1270.3	1535.3	1828.6	2247.5	2749.2	3139.9	3683.1	3754.6	3689.5
60°	922.5	929.8	989.4	1199.3	1524.4	2005.7	2626.7	3065.2	3694.5	3787.8	3733.2
62.5°	687.1	688.9	744.4	907.0	1211.2	1697.4	2460.5	2985.5	3710.4	3825.1	3750.9
65°	447.6	447.1	500.9	647.5	904.7	1364.6	2199.7	2860.8	3711.8	3816.9	3669.4
67.5°	284.6	286.4	309.6	402.0	605.6	1029.9	1844.5	2629.0	3647.1	3618.4	3372.6
70°	230.8	231.3	238.6	262.7	368.8	703.9	1386.4	2266.6	3442.7	3222.8	2931.4
72.5°	205.8	206.3	209.9	212.6	245.9	423.0	909.7	1840.4	3079.3	2746.9	2431.9
75°	184.9	184.9	187.1	184.4	201.7	265.5	516.3	1383.7	2536.1	2139.1	1837.2
77.5°	162.1	161.6	161.6	160.3	174.4	194.0	258.6	965.7	1826.7	1458.8	1191.6
80°	137.5	136.6	138.0	137.1	150.7	147.1	150.7	596.0	990.3	668.9	507.2
82.5°	107.0	107.0	111.1	112.0	124.3	106.5	106.1	282.8	376.1	250.0	187.1
85°	56.0	62.8	84.7	88.3	93.8	66.9	77.9	132.0	150.7	95.6	68.3
87.5°	16.8	17.8	51.9	58.3	57.8	33.7	47.8	63.7	70.6	42.3	27.8
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°	672.5	672.5	672.5	672.5	672.5	672.5	672.5	672.5	672.5	672.5	672.5
2.5°	680.7	664.8	631.1	601.0	578.3	556.4	541.4	533.6	523.6	525.0	521.8
5°	701.6	668.9	609.2	561.0	528.6	504.0	489.0	481.3	474.0	470.3	473.1
7.5°	733.1	682.1	598.7	540.5	506.8	485.8	477.6	475.4	473.5	472.2	474.4
10°	773.6	705.3	596.9	533.2	502.2	489.5	486.3	484.9	483.1	481.3	482.6
12.5°	815.0	730.8	603.3	535.0	509.5	499.9	495.8	494.0	489.5	487.2	487.6
15°	866.9	761.8	612.0	542.3	519.1	506.8	501.3	496.3	489.0	485.8	487.2
17.5°	922.5	798.6	623.8	549.1	522.7	507.7	496.8	489.5	482.2	477.6	478.1
20°	985.3	835.1	634.3	551.4	520.9	499.9	486.7	478.1	468.5	463.5	462.1
22.5°	1050.4	873.3	642.5	549.6	510.9	486.7	471.7	461.2	449.9	442.1	442.6
25°	1129.6	925.2	649.3	543.2	497.7	469.4	452.6	439.4	427.5	420.3	420.7
27.5°	1224.8	983.9	657.5	533.2	481.7	450.8	431.2	418.0	406.6	399.8	398.9
30°	1351.8	1060.4	666.6	520.9	461.7	430.3	411.2	397.5	386.6	380.2	380.2
32.5°	1494.8	1153.8	673.0	506.3	439.4	408.4	391.1	380.2	372.0	363.3	362.4
35°	1619.1	1226.2	692.5	494.9	419.8	387.9	376.1	368.4	356.1	347.9	346.5
37.5°	1801.7	1353.7	750.4	491.7	396.1	372.0	369.7	355.1	341.0	325.6	324.2
40°	2095.8	1574.5	817.8	476.3	371.5	363.3	361.1	341.5	308.3	298.7	296.9
42.5°	2470.1	1840.4	825.0	431.2	354.2	356.1	349.2	311.0	296.4	289.1	287.3
45°	2808.0	2056.2	783.6	385.2	341.5	345.1	331.0	299.6	291.4	284.6	282.8
47.5°	2997.8	2122.7	705.3	350.6	331.9	335.6	301.9	294.1	285.9	279.1	277.3
50°	3051.1	2064.9	614.2	330.6	324.6	326.0	294.1	289.6	282.3	276.8	274.1
52.5°	3061.6	1978.4	530.0	318.7	319.2	306.9	287.3	283.7	279.1	270.5	267.3
55°	3066.1	1900.5	454.4	311.4	315.5	282.3	280.0	277.3	273.6	264.5	262.7
57.5°	3078.0	1800.8	395.2	306.0	311.0	270.9	271.8	270.0	265.5	261.4	260.4
60°	3044.3	1662.8	349.7	300.5	304.6	261.4	262.3	263.2	259.1	258.2	257.7
62.5°	2931.4	1467.0	311.0	293.2	291.4	251.8	251.8	255.4	251.8	253.2	253.2
65°	2698.7	1217.5	276.4	279.6	270.9	241.3	240.9	247.2	241.8	247.7	248.1
67.5°	2302.1	921.6	240.9	258.2	249.5	230.4	232.2	237.2	229.9	242.2	242.2
70°	1822.2	627.0	204.0	228.1	227.7	218.1	224.0	223.6	215.4	233.6	230.4
72.5°	1357.3	402.5	166.2	191.2	199.0	204.9	215.8	206.3	198.5	209.0	199.4
75°	948.4	252.2	131.1	151.2	165.7	190.3	205.8	186.7	175.3	172.1	169.4
77.5°	567.8	161.2	103.4	115.2	129.3	173.0	193.1	166.2	148.9	147.1	141.6
80°	261.8	105.2	78.8	86.1	92.0	148.4	175.8	142.1	121.1	119.3	112.9
82.5°	118.4	69.2	58.7	61.5	61.9	117.9	148.4	112.5	92.4	149.8	129.8
85°	55.1	44.6	38.2	36.4	36.9	78.8	107.9	77.4	105.2	82.0	62.4
87.5°	23.7	22.8	19.6	15.5	14.1	16.8	41.4	32.3	46.0	18.2	12.3
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)