

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: P674518

Luminaire Tested: **CCP-SA-1E-722-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674518
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-722-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

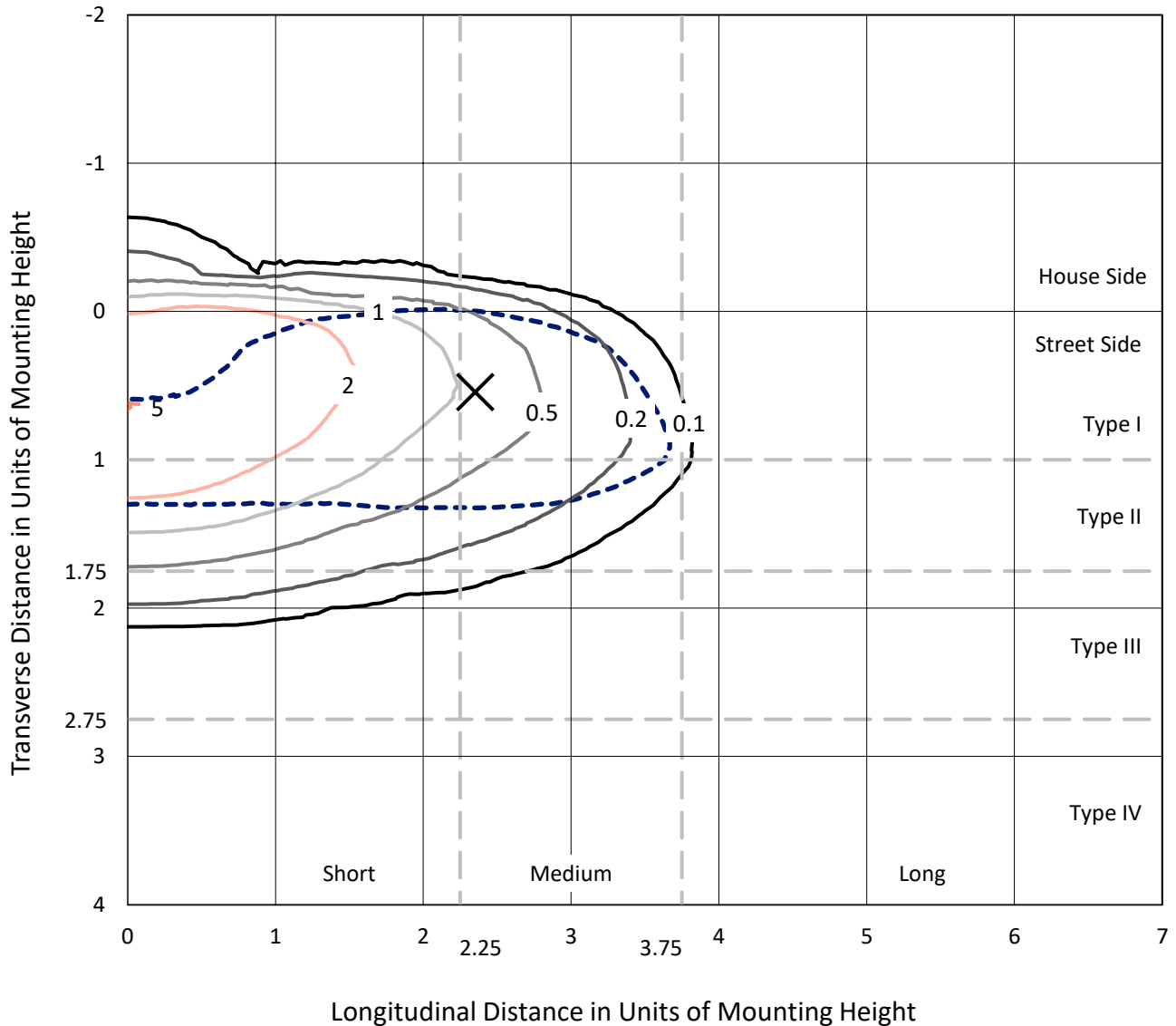
Lumens per Lamp: N/A
Luminaire Lumens: 4077.8 lumens
Efficiency: N/A
Efficacy: 72.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 56.1
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

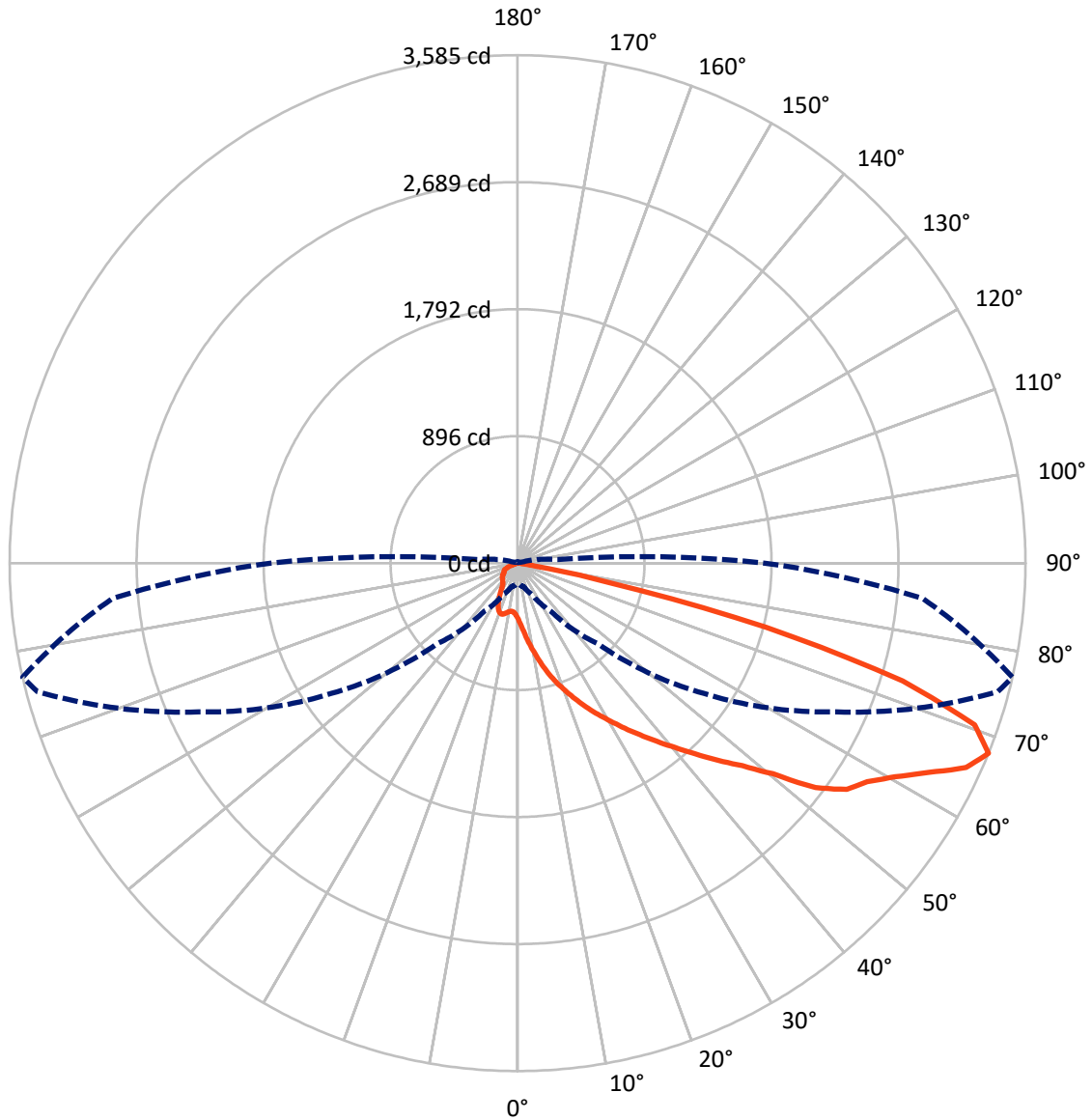
× Max cd
 - - - 1/2 Max cd



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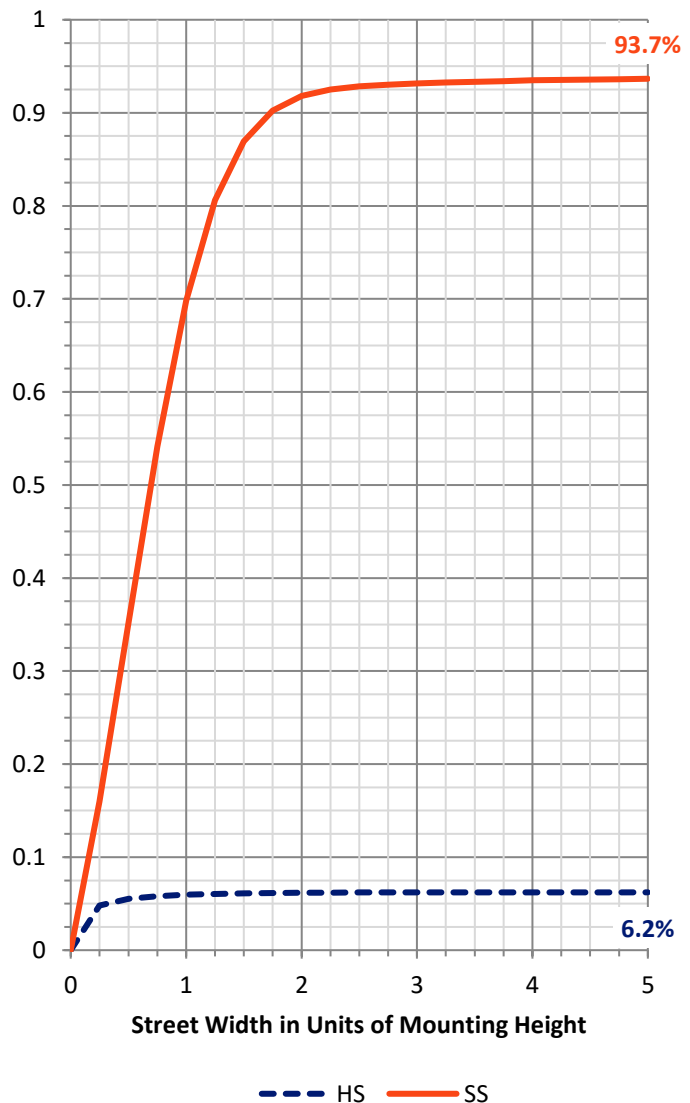
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	254.8	0.0	254.8
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	3823.0	0.0	3823.0
	% Fixture	93.8	0.0	93.8
Total	Lumens	4077.8	0.0	4077.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.9	1.1
10°-20°	169.7	4.2
20°-30°	331.6	8.1
30°-40°	579.8	14.2
40°-50°	845.6	20.7
50°-60°	988.8	24.2
60°-70°	801.5	19.7
70°-80°	301.1	7.4
80°-90°	13.7	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°	4077.8	100.0
0°-180°	4077.8	100.0

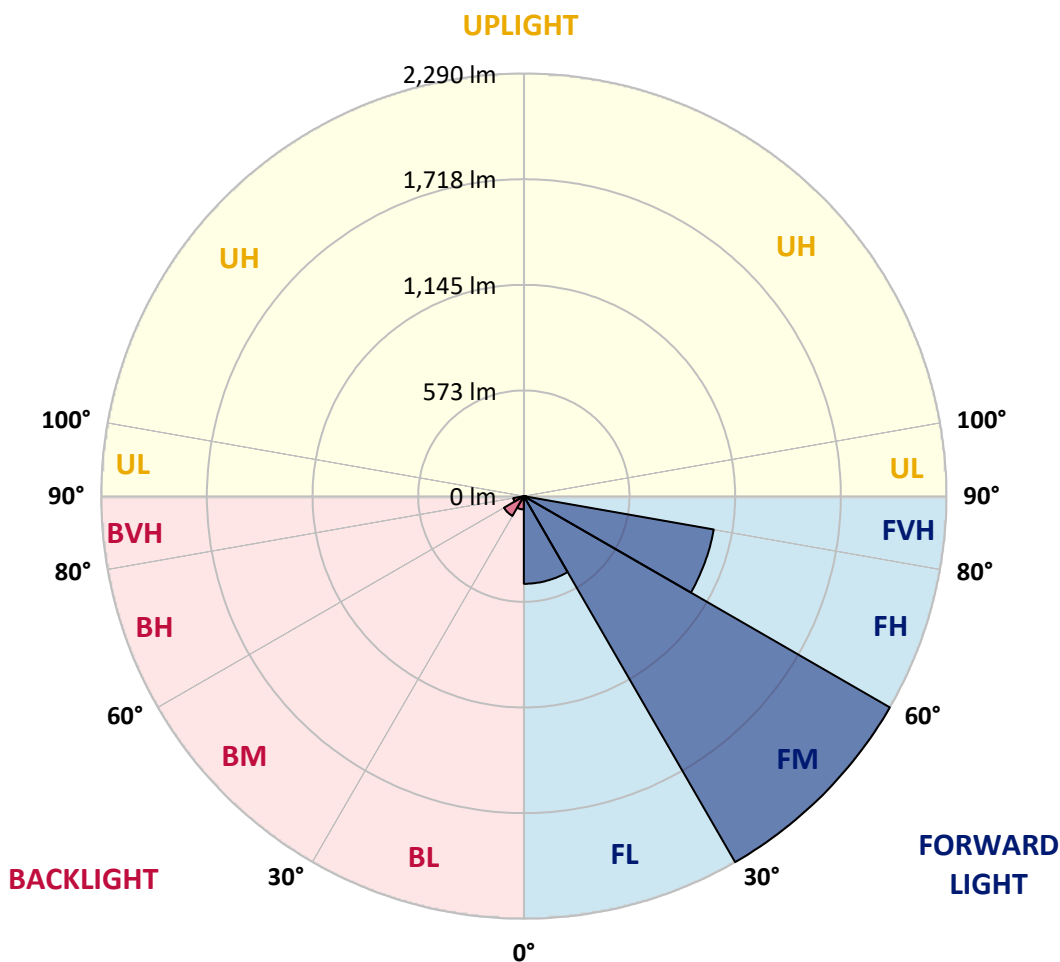


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	475.0	11.6			
FM (30°-60°)	2290.2	56.2			
FH (60°-80°)	1044.9	25.6			G1/1800
FVH (80°-90°)	12.9	0.3			G1/100
BL (0°-30°)	72.3	1.8	B0/110		
BM (30°-60°)	124.0	3.0	B0/220		
BH (60°-80°)	57.8	1.4	B0/110		G0/110
BVH (80°-90°)	0.8	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°	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6
2.5°	586.4	565.1	569.1	560.3	548.9	522.4	494.4	466.4	441.4	435.9	410.8
5°	751.0	744.3	737.3	731.5	707.5	674.4	624.0	559.9	502.1	492.2	440.3
7.5°	878.7	868.8	875.0	857.0	832.0	799.9	735.9	667.4	578.3	563.6	483.0
10°	972.9	967.4	970.4	961.9	949.7	917.7	854.4	768.6	665.6	637.6	530.8
12.5°	1043.6	1044.7	1057.6	1058.3	1048.4	1022.3	955.3	865.8	744.7	719.7	583.8
15°	1095.2	1096.3	1112.1	1129.0	1140.4	1126.8	1066.1	965.9	837.8	803.6	639.4
17.5°	1103.6	1104.4	1132.3	1166.6	1201.9	1213.7	1166.9	1065.3	922.9	883.9	703.1
20°	1109.1	1115.4	1140.4	1179.8	1235.8	1272.2	1246.8	1160.7	1005.3	960.1	765.7
22.5°	1176.1	1176.1	1190.9	1218.8	1263.4	1320.4	1315.3	1248.3	1085.6	1040.7	827.9
25°	1318.2	1318.2	1303.9	1296.5	1320.4	1365.4	1378.2	1341.8	1177.2	1124.2	893.4
27.5°	1506.3	1506.3	1483.9	1429.8	1409.2	1427.9	1441.6	1423.2	1261.9	1209.6	962.6
30°	1701.5	1708.1	1669.1	1600.2	1528.1	1513.7	1500.5	1496.4	1352.1	1293.2	1032.9
32.5°	1897.3	1896.6	1848.0	1762.2	1668.0	1617.2	1574.1	1569.3	1447.8	1390.0	1099.6
35°	2053.7	2054.1	2002.9	1915.0	1806.0	1741.2	1672.0	1649.5	1552.7	1488.3	1179.1
37.5°	2189.2	2181.5	2126.3	2042.7	1941.1	1874.1	1788.0	1729.4	1661.3	1595.8	1258.6
40°	2266.9	2256.6	2202.8	2123.3	2046.4	1995.2	1919.4	1825.9	1780.6	1709.9	1349.2
42.5°	2278.3	2269.5	2233.8	2185.9	2122.9	2078.0	2057.8	1934.8	1905.8	1841.7	1457.4
45°	2246.3	2231.9	2220.1	2195.1	2177.4	2155.7	2183.3	2050.8	2049.3	1985.6	1564.5
47.5°	2166.8	2147.2	2150.2	2177.8	2197.7	2217.2	2303.3	2202.8	2194.0	2134.4	1705.1
50°	2030.9	2021.3	2053.7	2108.2	2187.0	2265.0	2423.0	2358.2	2393.1	2337.2	1899.1
52.5°	1754.8	1766.6	1863.4	1994.5	2130.7	2287.5	2535.2	2590.1	2679.5	2633.5	2094.2
55°	1423.5	1419.1	1548.3	1781.0	1998.5	2273.1	2584.2	2726.7	2867.3	2819.1	2202.8
57.5°	1146.7	1154.4	1241.7	1471.7	1774.3	2162.3	2595.6	2798.1	2942.8	2910.7	2303.3
60°	860.7	868.0	947.5	1147.8	1476.2	1931.2	2501.4	2823.1	3084.5	3060.2	2463.8
62.5°	547.8	557.3	637.2	832.0	1128.3	1571.9	2289.7	2797.0	3232.5	3252.7	2682.9
65°	269.5	277.9	336.8	485.9	754.3	1175.4	1994.5	2697.2	3420.9	3478.7	2858.5
67.5°	149.1	153.1	173.4	247.4	420.8	806.2	1602.8	2484.1	3507.4	3584.8	2870.2
70°	116.0	117.1	124.8	144.3	205.0	473.0	1140.1	2129.2	3328.2	3421.7	2631.3
72.5°	97.6	99.0	102.7	109.3	128.1	246.3	716.4	1645.5	2800.3	2842.6	2035.7
75°	71.4	73.6	83.9	89.8	101.2	149.5	315.8	988.8	1850.5	1808.9	1139.0
77.5°	60.0	61.8	64.4	72.9	83.6	102.0	110.8	414.5	753.2	654.9	298.9
80°	40.9	43.1	50.1	54.5	70.7	67.4	46.0	111.2	151.3	123.3	57.4
82.5°	29.1	30.9	34.6	44.5	51.2	35.7	25.0	33.9	36.4	34.6	18.8
85°	9.2	11.8	25.0	36.8	27.6	12.1	15.8	12.9	11.4	11.0	7.4
87.5°	1.8	1.8	12.5	14.7	11.0	6.3	5.5	4.0	5.2	5.2	4.0
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°	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6	390.6
2.5°	399.0	382.5	358.5	336.1	313.3	297.1	285.7	274.2	269.8	268.0	263.2
5°	416.7	385.1	337.6	299.3	271.3	253.6	243.0	233.8	227.9	226.0	223.4
7.5°	442.1	396.5	328.4	284.2	256.2	237.1	219.8	199.9	184.1	177.8	175.2
10°	469.7	413.8	329.8	281.2	244.1	202.1	163.4	131.4	117.4	112.3	108.6
12.5°	510.2	432.9	336.1	277.9	207.6	144.3	104.5	91.3	88.0	87.2	86.5
15°	550.7	459.8	346.4	255.8	155.0	98.3	86.9	82.1	80.3	78.4	78.4
17.5°	591.6	485.6	350.5	212.8	107.1	85.0	79.1	75.1	72.2	70.7	69.6
20°	637.6	512.8	338.7	160.1	85.8	77.7	71.0	66.3	63.7	62.2	61.1
22.5°	687.3	539.7	312.9	111.5	78.0	69.9	63.7	58.9	56.3	54.8	54.5
25°	734.0	562.9	271.7	83.9	70.3	62.6	56.7	52.6	50.8	49.3	49.0
27.5°	782.3	582.7	217.9	74.0	64.1	56.7	50.8	47.5	45.6	44.5	44.2
30°	829.4	596.4	162.3	67.7	58.5	51.2	46.0	43.4	41.6	40.5	40.1
32.5°	878.0	604.1	109.7	62.2	53.0	46.4	42.0	39.4	38.3	37.2	37.2
35°	924.7	603.0	79.1	57.1	48.6	42.0	37.9	36.1	35.7	34.6	34.6
37.5°	975.9	595.3	67.4	52.3	43.8	37.9	34.6	33.5	33.1	32.4	32.0
40°	1034.0	577.9	61.5	48.6	39.8	34.6	31.7	30.9	30.6	29.8	29.8
42.5°	1097.7	555.5	58.2	44.5	36.4	31.3	29.1	28.0	27.6	26.9	26.9
45°	1171.7	534.1	56.0	40.5	33.5	28.7	26.5	25.4	25.0	24.3	24.3
47.5°	1272.6	522.0	52.3	36.8	30.2	26.1	23.9	23.2	22.5	21.7	21.7
50°	1411.4	507.6	47.5	33.1	27.6	23.6	22.1	21.0	20.6	19.9	19.9
52.5°	1525.5	477.1	42.7	29.4	24.7	21.7	20.2	19.5	18.8	18.4	18.4
55°	1565.6	441.4	37.9	26.5	22.5	20.2	18.8	18.0	17.7	17.3	17.3
57.5°	1629.7	430.0	33.5	23.6	20.2	18.8	17.3	16.9	16.6	16.2	15.8
60°	1739.0	436.6	29.4	21.0	18.4	16.9	15.8	15.5	14.7	14.0	14.0
62.5°	1845.0	428.5	25.0	18.4	15.8	15.1	14.0	13.3	11.8	10.7	9.9
65°	1870.8	374.4	21.7	15.5	13.3	12.5	11.4	9.9	7.7	6.3	6.3
67.5°	1746.0	284.6	18.8	13.3	11.0	10.3	8.1	6.6	4.8	3.7	3.7
70°	1440.8	180.4	15.5	10.3	9.2	7.0	5.2	4.8	3.3	2.9	2.6
72.5°	1039.6	98.7	12.9	8.5	6.6	4.4	3.7	2.9	2.2	1.5	1.5
75°	526.4	46.4	9.6	6.6	4.4	2.9	2.2	1.5	1.5	1.1	1.1
77.5°	149.1	21.4	6.3	4.4	2.9	1.8	1.5	1.1	1.1	0.7	0.7
80°	29.4	10.7	4.0	2.9	2.2	1.5	1.1	0.7	0.7	0.4	0.4
82.5°	10.7	5.5	2.9	2.2	1.8	1.5	0.7	0.4	0.4	0.0	0.0
85°	5.5	2.9	2.2	1.8	1.5	1.1	0.7	0.4	0.0	0.0	0.0
87.5°	2.9	2.2	1.8	1.8	1.5	1.1	0.7	0.4	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)