

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: P674764

Luminaire Tested: **CCP-SA-2B-835-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674764
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-835-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

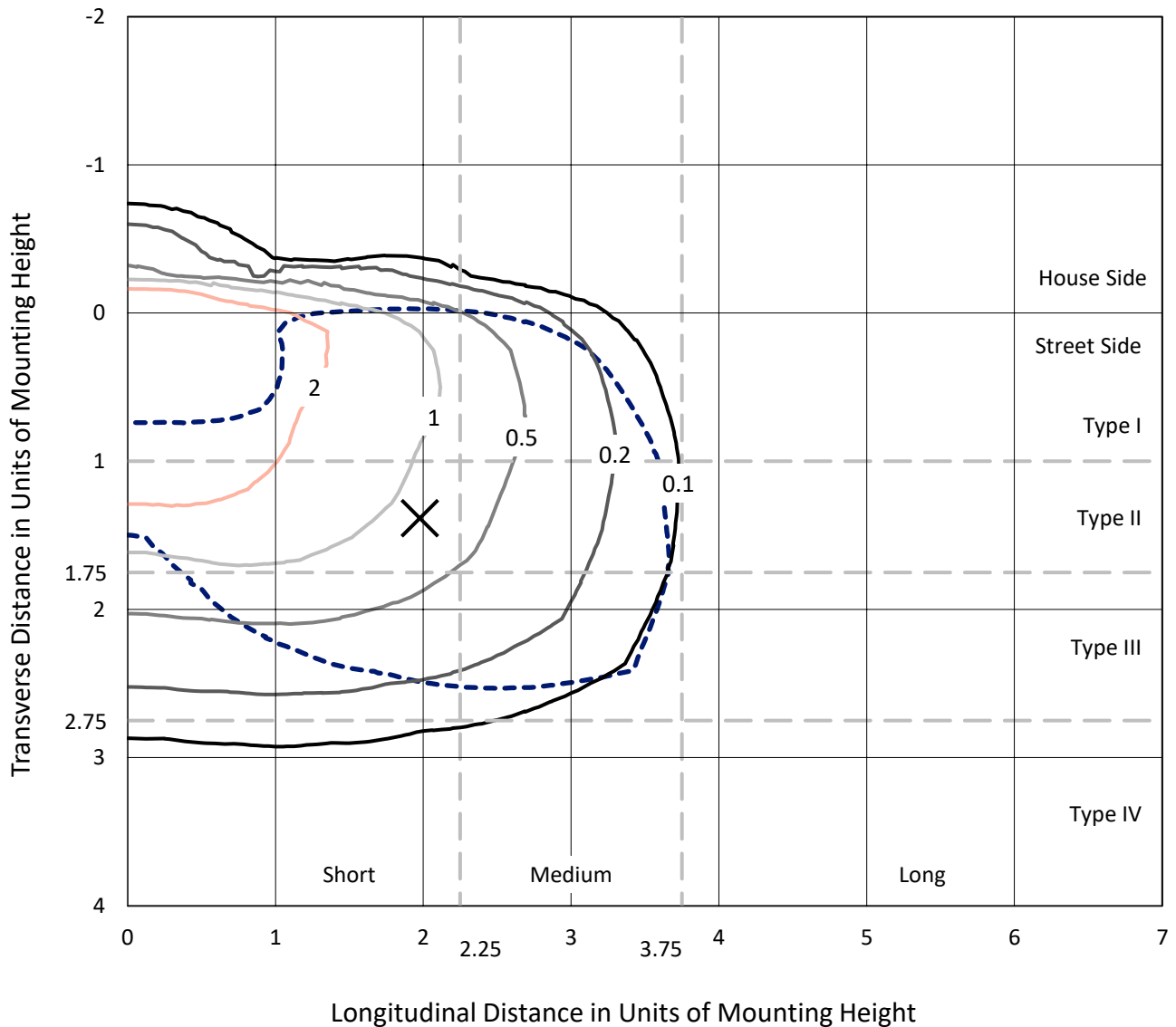
Lumens per Lamp: N/A
Luminaire Lumens: 4513.3 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 46
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

REPORT NUMBER: P674764
 CATALOG NUMBER: CCP-SA-2B-835-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

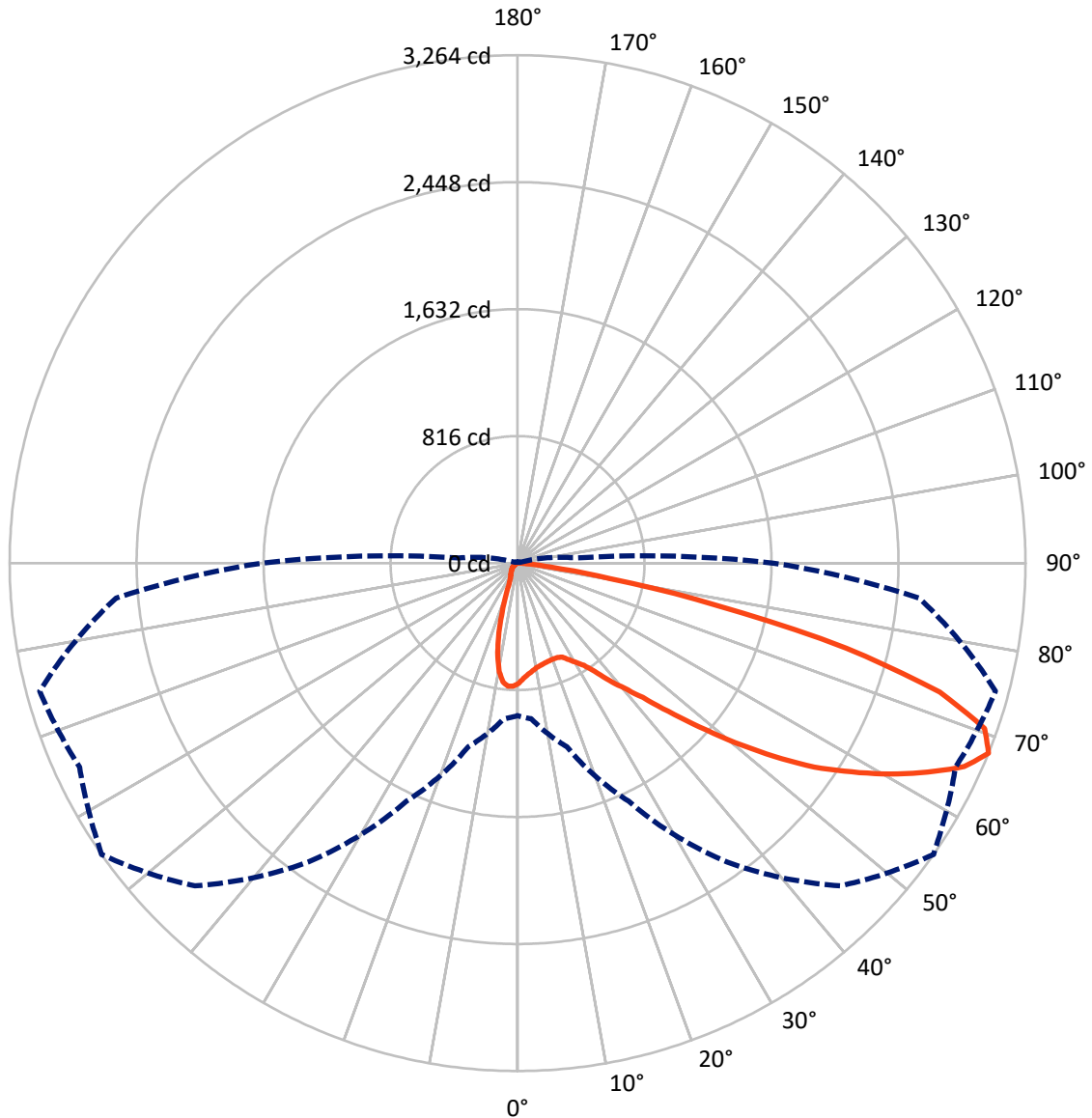
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.8 fc
 Type III - Short - N/A

REPORT NUMBER: P674764
CATALOG NUMBER: CCP-SA-2B-835-U-T3R-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P674764
 CATALOG NUMBER: CCP-SA-2B-835-U-T3R-HSS

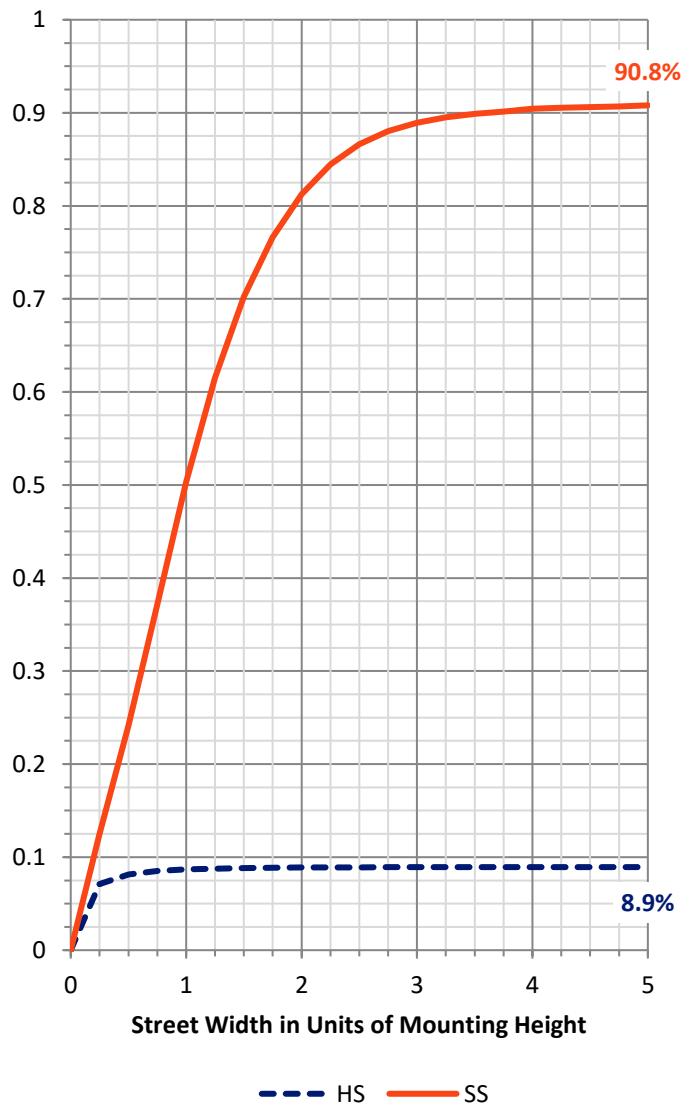
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	405.4	0.0	405.4
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4107.8	0.0	4107.8
	% Fixture	91.0	0.0	91.0
Total	Lumens	4513.3	0.0	4513.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.9	1.5
10°-20°	154.6	3.4
20°-30°	248.0	5.5
30°-40°	430.1	9.5
40°-50°	717.1	15.9
50°-60°	1048.6	23.2
60°-70°	1222.7	27.1
70°-80°	593.4	13.1
80°-90°	31.0	0.7
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°	4513.3	100.0
0°-180°	4513.3	100.0



REPORT NUMBER: P674764

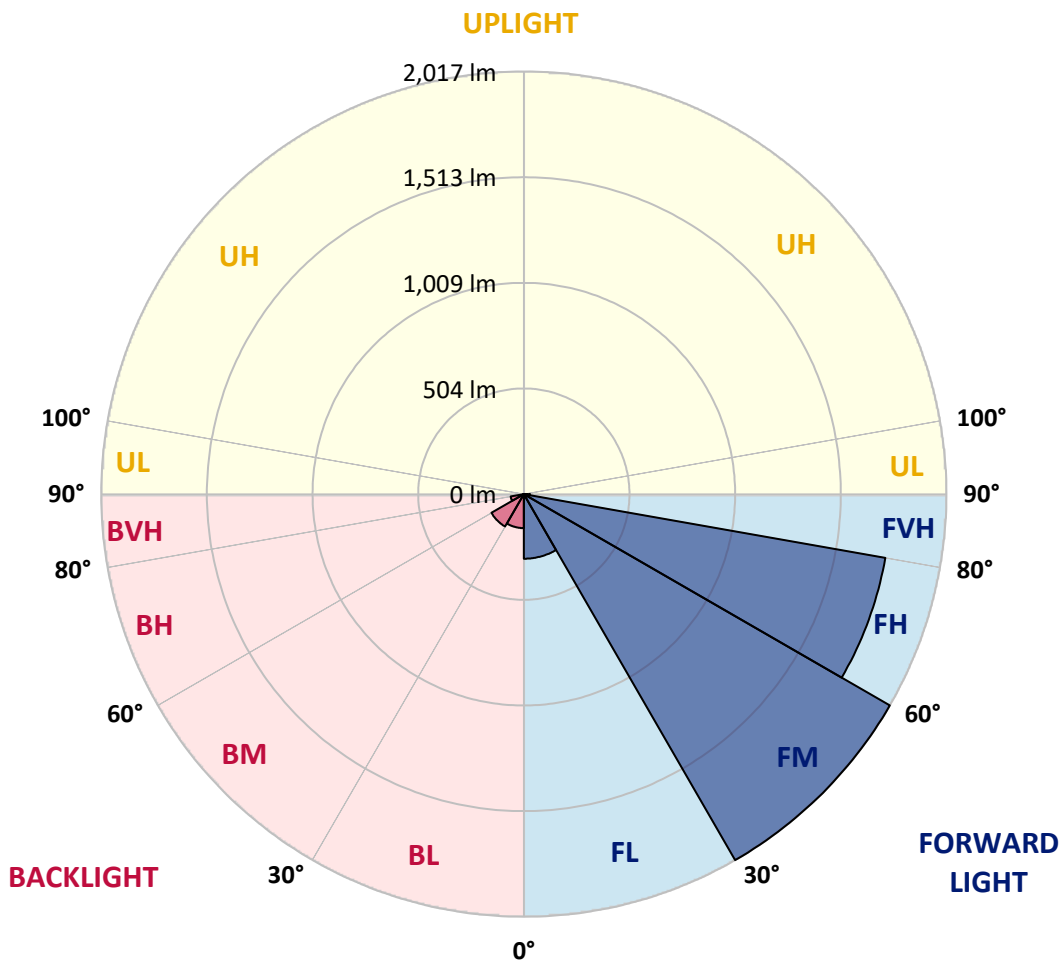
CATALOG NUMBER: CCP-SA-2B-835-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	308.3	6.8			
FM (30°-60°)	2017.3	44.7			
FH (60°-80°)	1752.1	38.8			G1/1800
FVH (80°-90°)	30.1	0.7			G1/100
BL (0°-30°)	162.1	3.6	B1/500		
BM (30°-60°)	178.5	4.0	B0/220		
BH (60°-80°)	64.0	1.4	B0/110		G0/110
BVH (80°-90°)	0.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





REPORT NUMBER: P674764

CATALOG NUMBER: CCP-SA-2B-835-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	773.4	773.4	773.4	773.4	773.4	773.4	773.4	773.4	773.4	773.4	773.4
2.5°	714.0	718.6	724.4	726.5	733.5	743.5	740.6	738.5	749.7	765.1	770.1
5°	669.5	669.9	679.0	685.7	697.8	707.3	717.7	716.9	737.3	763.5	780.1
7.5°	625.8	626.7	636.2	646.6	664.1	682.8	698.6	697.8	730.6	765.5	797.1
10°	568.4	572.6	584.2	602.5	630.0	659.5	681.5	683.6	723.1	773.4	820.4
12.5°	522.3	524.4	537.3	561.0	593.4	632.1	673.2	672.0	724.8	788.0	850.8
15°	502.7	501.5	509.4	526.9	563.9	612.5	664.9	667.8	730.6	804.6	882.4
17.5°	507.3	506.1	510.2	516.5	542.7	596.3	660.3	665.3	739.8	822.1	911.9
20°	558.0	549.3	541.8	535.2	538.9	583.0	657.4	662.8	745.2	835.4	943.1
22.5°	655.8	645.0	625.0	588.0	563.4	583.8	658.3	665.3	757.2	857.0	980.9
25°	815.0	804.6	761.8	686.1	621.2	613.8	669.5	677.0	785.1	889.9	1021.3
27.5°	1025.9	1002.6	950.6	842.1	716.9	661.6	703.2	711.5	824.6	915.2	1048.7
30°	1200.9	1195.5	1145.6	1012.5	848.7	731.9	741.0	745.6	842.5	930.6	1076.2
32.5°	1382.6	1371.4	1325.7	1196.3	1001.7	832.1	783.4	785.5	865.8	953.5	1116.1
35°	1540.6	1530.3	1492.0	1366.4	1180.5	966.8	853.7	849.1	914.0	1003.8	1170.1
37.5°	1687.0	1685.8	1652.1	1524.0	1341.1	1106.5	957.2	953.5	989.3	1059.1	1243.3
40°	1830.1	1826.7	1798.0	1681.2	1499.1	1245.8	1055.8	1046.2	1053.3	1136.5	1339.8
42.5°	1917.8	1924.9	1934.9	1860.8	1686.6	1409.2	1180.5	1174.7	1173.5	1257.5	1466.6
45°	1965.2	1977.7	2036.3	2029.7	1885.4	1612.6	1358.1	1343.1	1338.1	1423.8	1611.8
47.5°	2011.4	2016.8	2112.8	2153.2	2075.8	1824.7	1572.7	1551.9	1531.5	1626.7	1785.2
50°	2014.3	2023.0	2141.9	2240.1	2235.5	2033.4	1813.4	1795.1	1771.8	1873.7	1954.4
52.5°	1973.5	1991.0	2138.2	2295.0	2334.5	2217.6	2063.3	2048.4	2029.2	2105.3	2097.0
55°	1692.0	1721.5	2065.0	2300.0	2403.9	2375.6	2314.5	2293.7	2275.0	2329.1	2236.7
57.5°	1558.1	1574.7	1843.0	2296.2	2492.5	2522.0	2532.4	2522.8	2496.6	2564.0	2382.7
60°	1477.9	1502.0	1736.9	2254.6	2588.1	2687.5	2752.8	2733.7	2701.6	2794.4	2539.1
62.5°	1381.8	1399.3	1631.3	2134.9	2645.1	2855.9	2959.5	2942.0	2875.9	3006.9	2665.5
65°	1204.7	1230.9	1463.3	1946.5	2568.6	2979.4	3154.1	3148.2	3033.5	3167.4	2700.0
67.5°	980.5	1004.2	1220.9	1688.3	2344.9	2933.3	3264.3	3246.0	3105.0	3179.4	2590.6
70°	736.0	748.9	912.3	1289.9	1921.1	2686.7	3184.4	3180.7	2996.5	3000.6	2255.0
72.5°	395.0	430.8	606.7	863.3	1351.0	2176.0	2838.0	2823.1	2673.4	2457.6	1621.7
75°	138.1	148.5	323.1	484.9	733.9	1449.6	2182.3	2147.3	1999.3	1598.4	883.6
77.5°	84.8	93.1	143.5	247.8	285.7	629.2	1311.1	1265.8	1170.1	691.1	301.9
80°	58.6	66.1	96.1	129.7	97.3	203.8	603.4	586.3	451.2	164.7	69.4
82.5°	32.9	39.5	72.8	63.6	39.1	52.8	209.2	193.8	120.2	44.5	23.3
85°	19.1	22.9	51.1	44.9	20.0	18.7	54.5	48.7	31.2	16.6	11.2
87.5°	10.0	12.9	37.4	29.9	12.1	6.7	12.5	12.1	7.9	5.8	7.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P674764
 CATALOG NUMBER: CCP-SA-2B-835-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	773.4	773.4	773.4	773.4	773.4	773.4	773.4	773.4	773.4	773.4	773.4
2.5°	779.3	777.2	788.0	791.7	790.9	789.2	793.4	788.0	787.6	786.3	785.1
5°	793.4	796.7	805.5	805.5	793.8	774.7	763.0	747.2	733.9	726.0	724.8
7.5°	814.6	821.3	827.1	809.2	769.3	721.9	671.6	632.1	597.5	579.7	578.0
10°	844.5	850.8	846.2	795.1	709.4	611.3	529.4	447.0	405.8	383.4	383.4
12.5°	880.3	885.3	857.4	759.7	610.9	468.6	359.3	272.8	231.6	205.0	203.3
15°	919.0	920.2	855.8	698.2	489.0	314.8	206.3	151.4	133.9	130.2	129.3
17.5°	952.7	947.7	838.3	607.1	352.2	187.5	131.0	118.5	115.2	115.2	115.2
20°	984.3	967.6	803.4	501.1	225.8	127.7	112.7	109.4	109.4	109.8	109.8
22.5°	1019.2	986.3	753.5	383.4	145.1	109.4	105.6	104.0	103.5	104.8	104.4
25°	1060.4	1004.6	682.0	264.9	112.3	101.9	100.2	98.6	98.6	98.6	98.6
27.5°	1083.2	1002.1	600.5	167.2	98.1	94.4	92.7	91.1	89.8	89.4	89.8
30°	1103.2	987.6	494.0	116.8	88.6	84.4	83.2	81.1	78.6	77.8	77.8
32.5°	1129.4	975.5	382.6	94.0	80.3	75.7	71.9	68.6	64.5	62.8	62.4
35°	1158.5	953.5	280.3	82.8	72.8	66.9	61.1	55.7	50.3	48.7	48.2
37.5°	1194.7	933.5	190.0	76.5	66.5	59.5	51.6	44.1	39.1	38.3	38.3
40°	1243.7	916.9	131.4	71.1	60.7	52.4	42.8	34.9	31.6	30.8	30.8
42.5°	1310.7	903.2	99.4	66.5	55.7	45.3	34.5	28.7	26.2	25.4	25.4
45°	1389.7	882.0	84.0	62.4	50.7	38.3	28.7	24.1	22.9	22.9	22.9
47.5°	1480.4	855.4	76.5	58.2	45.3	31.2	24.1	22.0	21.6	21.6	22.0
50°	1571.8	823.8	71.1	53.2	39.1	26.6	22.0	20.8	20.8	21.2	21.2
52.5°	1633.8	774.3	65.7	47.8	32.9	23.3	20.8	20.4	20.0	20.0	20.0
55°	1694.1	731.0	58.2	42.0	27.4	21.6	20.0	19.5	19.5	19.1	19.1
57.5°	1756.9	696.9	48.7	34.9	23.3	20.4	19.1	19.1	18.3	17.9	17.9
60°	1829.6	667.0	37.4	27.4	20.4	19.1	17.9	17.5	16.6	15.8	15.8
62.5°	1850.9	603.8	28.3	22.0	17.5	16.6	16.2	15.4	13.3	11.6	12.1
65°	1795.6	504.4	22.5	17.5	14.1	14.1	12.9	10.8	8.7	7.5	7.5
67.5°	1642.9	376.7	18.3	13.7	11.2	10.8	9.1	7.9	5.4	4.6	4.6
70°	1353.9	249.1	15.0	10.8	9.1	7.5	6.2	5.8	4.2	3.3	3.3
72.5°	948.9	135.1	12.5	8.7	6.7	5.0	4.2	3.7	2.9	2.5	2.1
75°	501.1	52.0	10.0	6.7	4.2	3.3	2.5	2.5	2.1	1.7	1.7
77.5°	171.7	22.0	7.1	3.7	2.9	2.1	1.7	1.2	1.7	1.2	1.2
80°	40.8	12.9	4.6	2.5	1.7	1.2	1.2	0.8	0.8	0.8	0.8
82.5°	17.9	7.5	2.9	1.7	1.7	1.2	0.8	0.4	0.4	0.4	0.4
85°	12.1	4.6	2.1	1.7	1.2	0.8	0.4	0.4	0.0	0.0	0.0
87.5°	9.6	2.9	1.7	1.7	1.2	0.8	0.4	0.0	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)