

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: P674670

Luminaire Tested: **CCP-SA-1B-727-U-T3R-HSS**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P674670
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-727-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T3R
distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

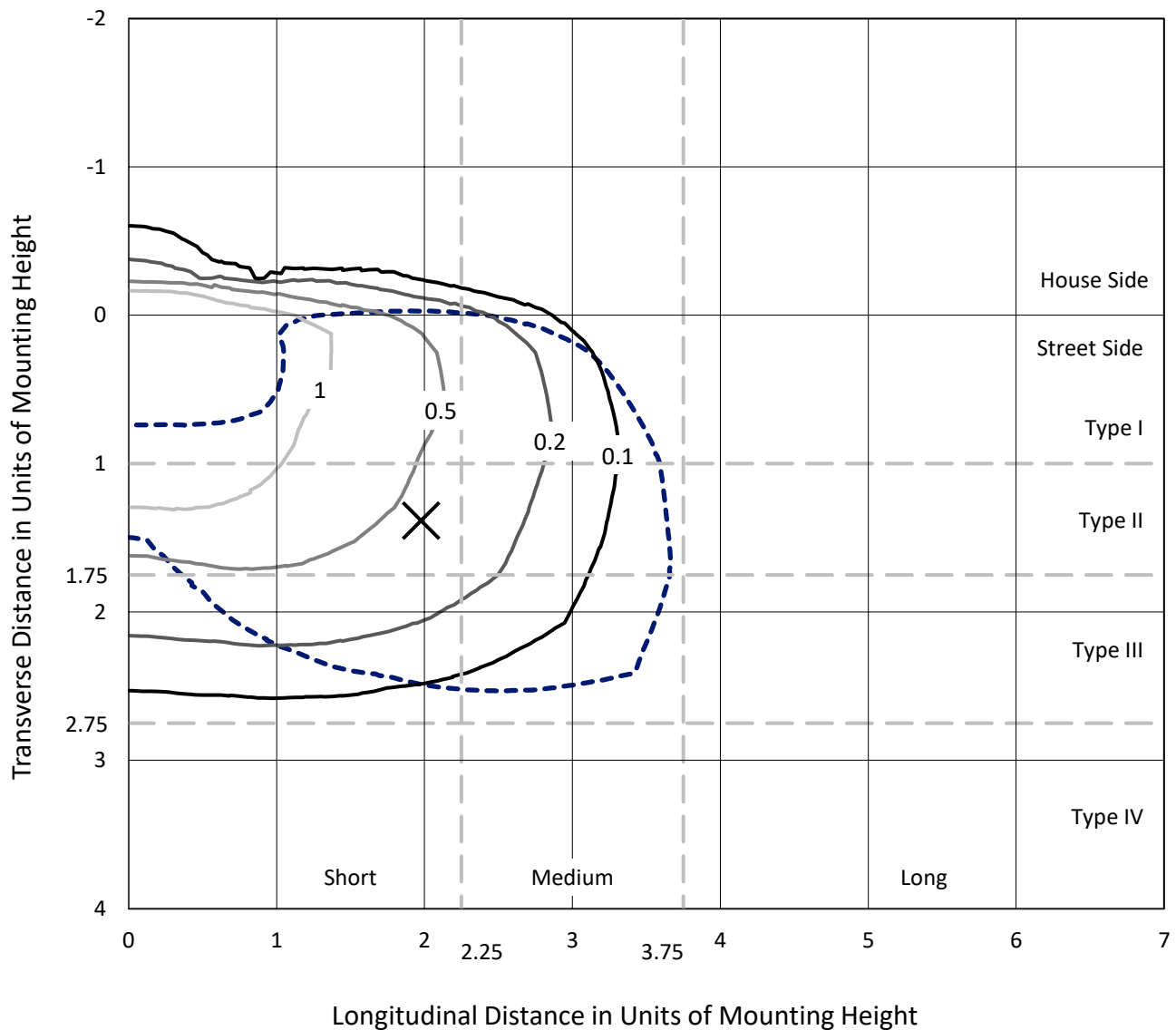
Lumens per Lamp: N/A
Luminaire Lumens: 2290.6 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 24
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: P674670
 CATALOG NUMBER: CCP-SA-1B-727-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

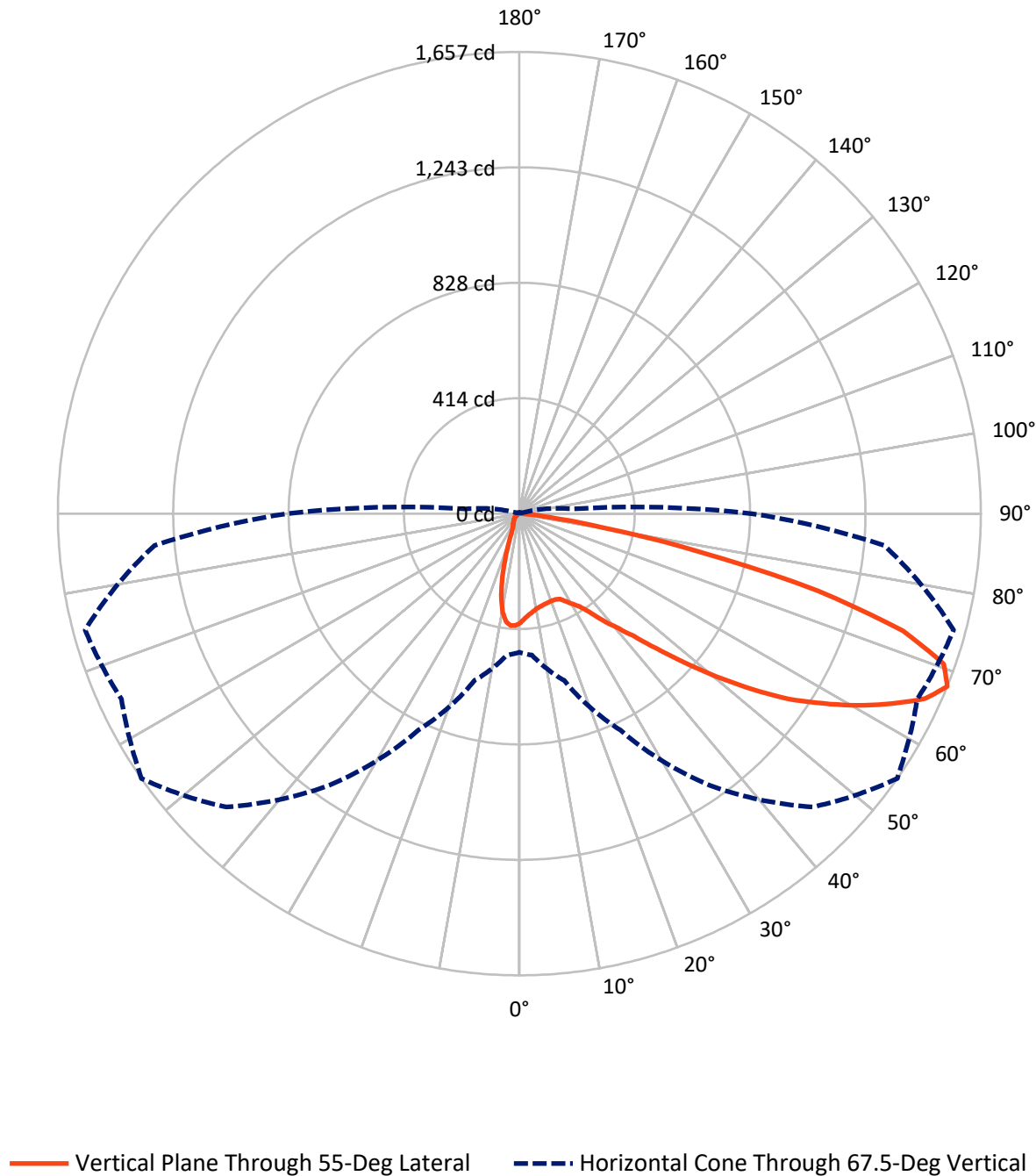
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Short - N/A

REPORT NUMBER: P674670
CATALOG NUMBER: CCP-SA-1B-727-U-T3R-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P674670

CATALOG NUMBER: CCP-SA-1B-727-U-T3R-HSS

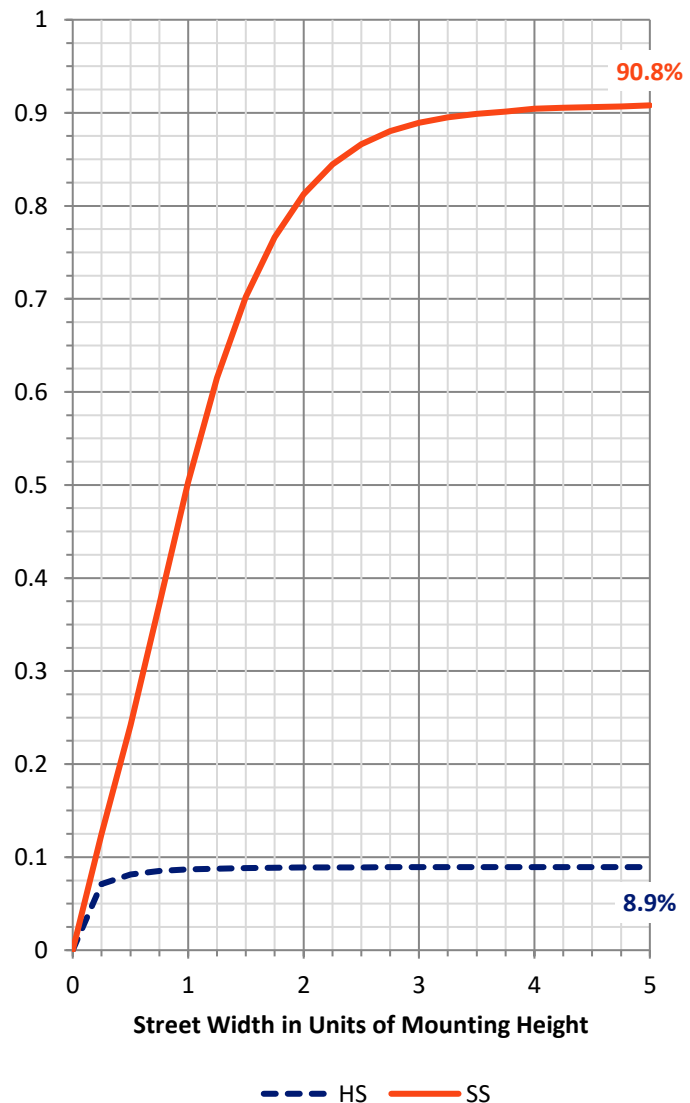
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	205.8	0.0	205.8
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	2084.8	0.0	2084.8
	% Fixture	91.0	0.0	91.0
Total	Lumens	2290.6	0.0	2290.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.5	1.5
10°-20°	78.4	3.4
20°-30°	125.8	5.5
30°-40°	218.3	9.5
40°-50°	363.9	15.9
50°-60°	532.2	23.2
60°-70°	620.6	27.1
70°-80°	301.2	13.1
80°-90°	15.7	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°	2290.6	100.0
0°-180°	2290.6	100.0

Coefficient of Utilization



REPORT NUMBER: P674670

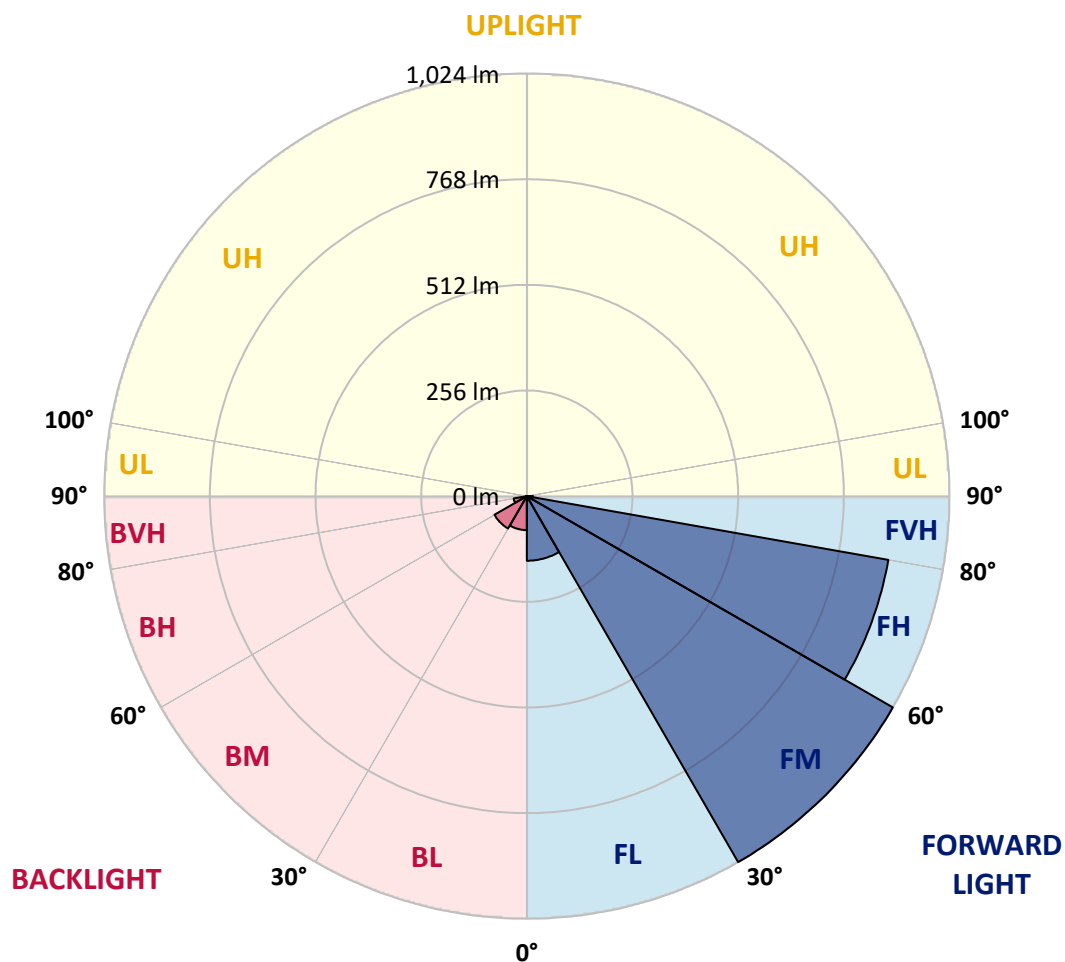
CATALOG NUMBER: CCP-SA-1B-727-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	156.5	6.8			
FM	(30°-60°)	1023.8	44.7			
FH	(60°-80°)	889.3	38.8			G1/1800
FVH	(80°-90°)	15.3	0.7			G1/100
BL	(0°-30°)	82.3	3.6	B0/110		
BM	(30°-60°)	90.6	4.0	B0/220		
BH	(60°-80°)	32.5	1.4	B0/110		G0/110
BVH	(80°-90°)	0.5	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 III Short





REPORT NUMBER: P674670

CATALOG NUMBER: CCP-SA-1B-727-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6
2.5°	362.4	364.7	367.6	368.7	372.3	377.4	375.9	374.8	380.5	388.3	390.9
5°	339.8	340.0	344.6	348.0	354.1	359.0	364.3	363.8	374.2	387.5	395.9
7.5°	317.6	318.1	322.9	328.2	337.0	346.5	354.6	354.1	370.8	388.5	404.6
10°	288.5	290.6	296.5	305.8	319.7	334.7	345.9	347.0	367.0	392.6	416.4
12.5°	265.1	266.1	272.7	284.7	301.2	320.8	341.7	341.1	367.9	399.9	431.8
15°	255.2	254.5	258.5	267.4	286.2	310.9	337.5	338.9	370.8	408.4	447.8
17.5°	257.5	256.8	259.0	262.1	275.4	302.6	335.1	337.7	375.5	417.2	462.8
20°	283.2	278.8	275.0	271.6	273.5	295.9	333.7	336.4	378.2	424.0	478.7
22.5°	332.8	327.3	317.2	298.4	286.0	296.3	334.1	337.7	384.3	435.0	497.9
25°	413.7	408.4	386.6	348.2	315.3	311.5	339.8	343.6	398.5	451.6	518.3
27.5°	520.7	508.8	482.5	427.4	363.8	335.8	356.9	361.1	418.5	464.5	532.3
30°	609.5	606.8	581.4	513.9	430.8	371.4	376.1	378.4	427.6	472.3	546.2
32.5°	701.7	696.0	672.8	607.2	508.4	422.3	397.6	398.7	439.4	483.9	566.5
35°	781.9	776.7	757.2	693.5	599.2	490.7	433.3	431.0	463.9	509.5	593.9
37.5°	856.2	855.6	838.5	773.5	680.6	561.6	485.8	483.9	502.1	537.5	631.0
40°	928.8	927.1	912.6	853.3	760.8	632.3	535.9	531.0	534.6	576.8	680.0
42.5°	973.4	976.9	982.0	944.4	856.0	715.2	599.2	596.2	595.6	638.2	744.4
45°	997.4	1003.7	1033.5	1030.1	956.9	818.4	689.3	681.7	679.2	722.6	818.0
47.5°	1020.8	1023.6	1072.3	1092.8	1053.6	926.1	798.2	787.6	777.3	825.6	906.0
50°	1022.3	1026.8	1087.1	1136.9	1134.6	1032.0	920.4	911.1	899.3	951.0	991.9
52.5°	1001.6	1010.5	1085.2	1164.8	1184.8	1125.5	1047.2	1039.6	1029.9	1068.5	1064.3
55°	858.8	873.7	1048.1	1167.3	1220.1	1205.7	1174.7	1164.1	1154.6	1182.1	1135.2
57.5°	790.8	799.2	935.4	1165.4	1265.0	1280.0	1285.3	1280.4	1267.1	1301.3	1209.3
60°	750.1	762.3	881.6	1144.3	1313.6	1364.0	1397.1	1387.4	1371.2	1418.2	1288.7
62.5°	701.3	710.2	827.9	1083.5	1342.5	1449.5	1502.0	1493.2	1459.6	1526.1	1352.8
65°	611.4	624.7	742.7	987.9	1303.6	1512.2	1600.8	1597.9	1539.6	1607.6	1370.3
67.5°	497.7	509.7	619.6	856.9	1190.1	1488.7	1656.7	1647.4	1575.9	1613.7	1314.8
70°	373.6	380.1	463.0	654.7	975.0	1363.6	1616.2	1614.3	1520.8	1522.9	1144.5
72.5°	200.5	218.6	307.9	438.1	685.7	1104.4	1440.4	1432.8	1356.8	1247.3	823.1
75°	70.1	75.3	164.0	246.1	372.5	735.7	1107.6	1089.9	1014.7	811.3	448.5
77.5°	43.1	47.3	72.8	125.8	145.0	319.3	665.4	642.4	593.9	350.8	153.2
80°	29.8	33.6	48.8	65.8	49.4	103.4	306.2	297.6	229.0	83.6	35.2
82.5°	16.7	20.0	36.9	32.3	19.8	26.8	106.2	98.3	61.0	22.6	11.8
85°	9.7	11.6	26.0	22.8	10.1	9.5	27.6	24.7	15.8	8.4	5.7
87.5°	5.1	6.5	19.0	15.2	6.1	3.4	6.3	6.1	4.0	3.0	3.8
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: P674670

CATALOG NUMBER: CCP-SA-1B-727-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6	392.6
2.5°	395.5	394.5	399.9	401.8	401.4	400.6	402.7	399.9	399.7	399.1	398.5
5°	402.7	404.4	408.8	408.8	402.9	393.2	387.3	379.3	372.5	368.5	367.9
7.5°	413.4	416.8	419.8	410.7	390.4	366.4	340.8	320.8	303.3	294.2	293.4
10°	428.6	431.8	429.5	403.5	360.0	310.2	268.7	226.9	206.0	194.6	194.6
12.5°	446.8	449.3	435.2	385.6	310.0	237.9	182.3	138.4	117.6	104.0	103.2
15°	466.4	467.1	434.3	354.4	248.2	159.8	104.7	76.8	68.0	66.1	65.6
17.5°	483.5	481.0	425.5	308.1	178.8	95.2	66.5	60.1	58.5	58.5	58.5
20°	499.6	491.1	407.7	254.3	114.6	64.8	57.2	55.5	55.5	55.7	55.7
22.5°	517.3	500.6	382.4	194.6	73.7	55.5	53.6	52.8	52.6	53.2	53.0
25°	538.2	509.9	346.1	134.4	57.0	51.7	50.9	50.0	50.0	50.0	50.0
27.5°	549.8	508.6	304.8	84.8	49.8	47.9	47.1	46.2	45.6	45.4	45.6
30°	559.9	501.2	250.7	59.3	45.0	42.8	42.2	41.2	39.9	39.5	39.5
32.5°	573.2	495.1	194.2	47.7	40.7	38.4	36.5	34.8	32.7	31.9	31.7
35°	588.0	483.9	142.2	42.0	36.9	34.0	31.0	28.3	25.5	24.7	24.5
37.5°	606.3	473.8	96.4	38.8	33.8	30.2	26.2	22.4	19.8	19.4	19.4
40°	631.2	465.4	66.7	36.1	30.8	26.6	21.7	17.7	16.0	15.6	15.6
42.5°	665.2	458.4	50.4	33.8	28.3	23.0	17.5	14.6	13.3	12.9	12.9
45°	705.3	447.6	42.6	31.7	25.7	19.4	14.6	12.2	11.6	11.6	11.6
47.5°	751.3	434.1	38.8	29.5	23.0	15.8	12.2	11.2	11.0	11.0	11.2
50°	797.8	418.1	36.1	27.0	19.8	13.5	11.2	10.6	10.6	10.8	10.8
52.5°	829.2	393.0	33.3	24.3	16.7	11.8	10.6	10.3	10.1	10.1	10.1
55°	859.8	371.0	29.5	21.3	13.9	11.0	10.1	9.9	9.9	9.7	9.7
57.5°	891.7	353.7	24.7	17.7	11.8	10.3	9.7	9.7	9.3	9.1	9.1
60°	928.6	338.5	19.0	13.9	10.3	9.7	9.1	8.9	8.4	8.0	8.0
62.5°	939.4	306.4	14.4	11.2	8.9	8.4	8.2	7.8	6.8	5.9	6.1
65°	911.3	256.0	11.4	8.9	7.2	7.2	6.5	5.5	4.4	3.8	3.8
67.5°	833.9	191.2	9.3	7.0	5.7	5.5	4.6	4.0	2.7	2.3	2.3
70°	687.2	126.4	7.6	5.5	4.6	3.8	3.2	3.0	2.1	1.7	1.7
72.5°	481.6	68.6	6.3	4.4	3.4	2.5	2.1	1.9	1.5	1.3	1.1
75°	254.3	26.4	5.1	3.4	2.1	1.7	1.3	1.3	1.1	0.8	0.8
77.5°	87.2	11.2	3.6	1.9	1.5	1.1	0.8	0.6	0.8	0.6	0.6
80°	20.7	6.5	2.3	1.3	0.8	0.6	0.6	0.4	0.4	0.4	0.4
82.5°	9.1	3.8	1.5	0.8	0.8	0.6	0.4	0.2	0.2	0.2	0.2
85°	6.1	2.3	1.1	0.8	0.6	0.4	0.2	0.2	0.0	0.0	0.0
87.5°	4.9	1.5	0.8	0.8	0.6	0.4	0.2	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)