

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: P671988

Luminaire Tested: **CCP-SA-1A-760-U-AFL**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671988
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-760-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ AFL
distribution lens
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2824.1 lumens
Efficiency: N/A
Efficacy: 156.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

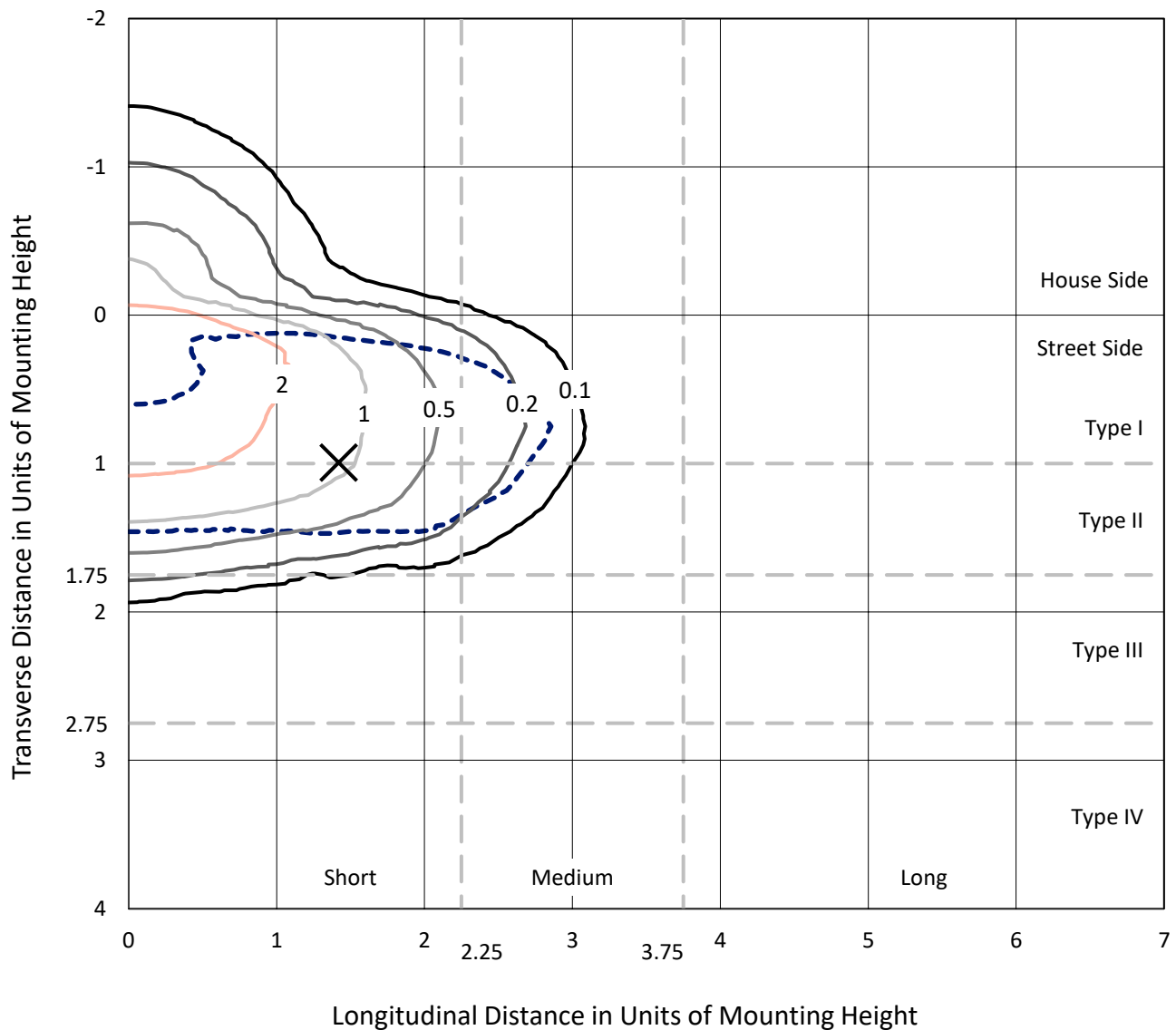
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

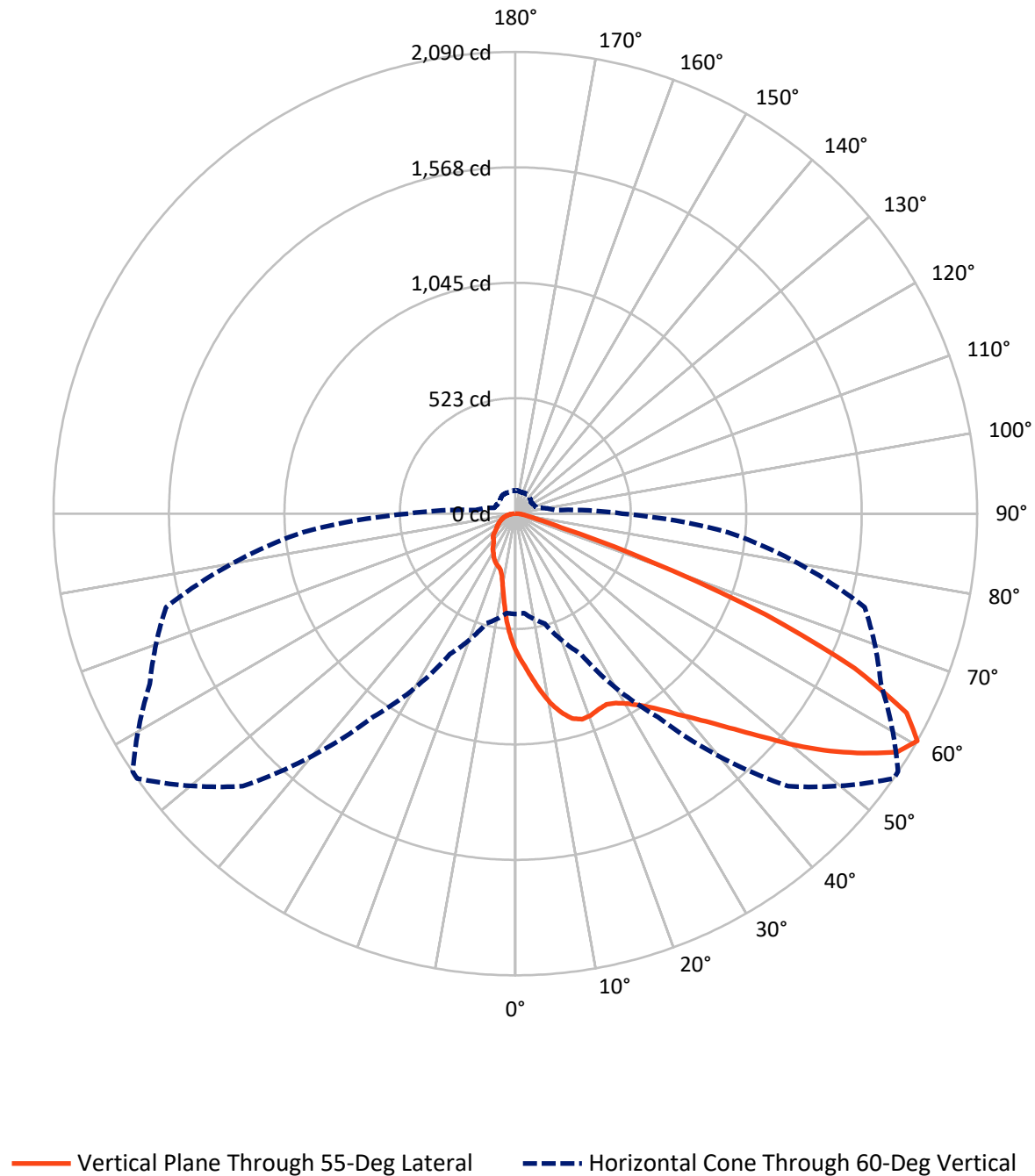
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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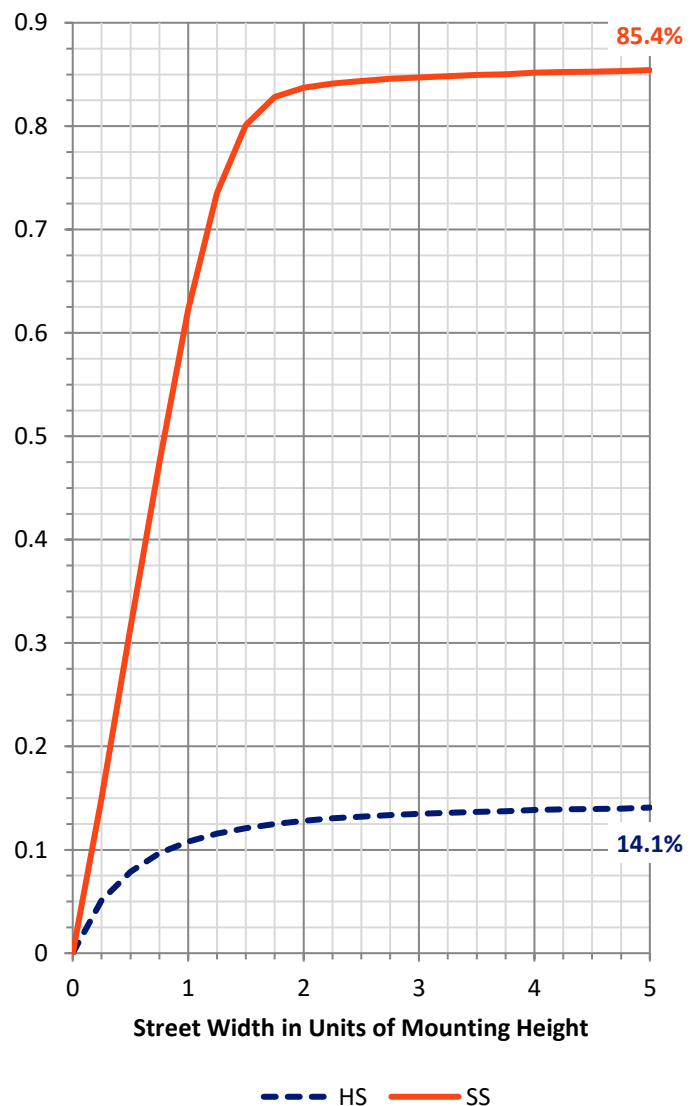
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	406.0	0.0	406.0
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	2418.1	0.0	2418.1
	% Fixture	85.6	0.0	85.6
Total	Lumens	2824.1	0.0	2824.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.6	2.1
10°-20°	166.1	5.9
20°-30°	270.4	9.6
30°-40°	404.1	14.3
40°-50°	593.9	21.0
50°-60°	696.1	24.6
60°-70°	459.0	16.3
70°-80°	146.2	5.2
80°-90°	29.7	1.1
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°	2824.1	100.0
0°-180°	2824.1	100.0

Coefficient of Utilization



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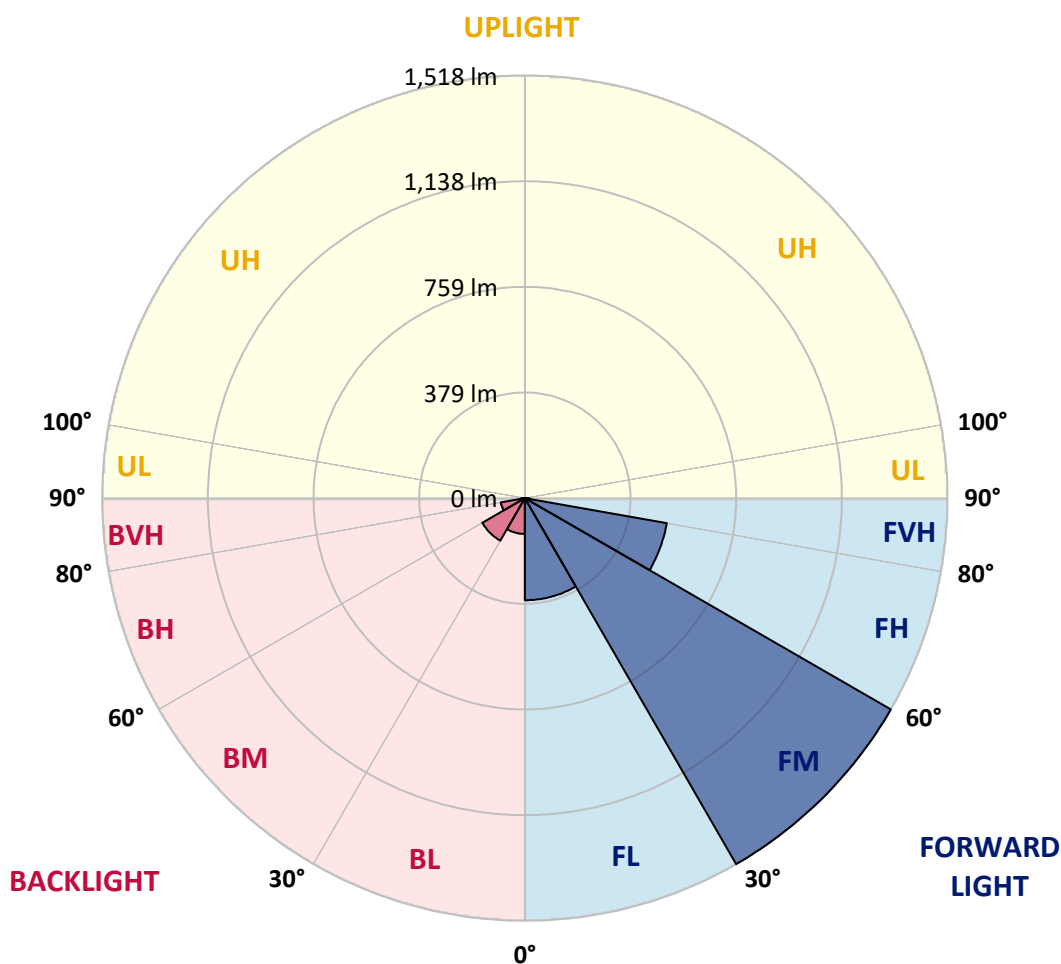
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	366.5	13.0			
FM	(30°-60°)	1517.7	53.7			
FH	(60°-80°)	517.5	18.3			G0/660
FVH	(80°-90°)	16.3	0.6			G1/100
BL	(0°-30°)	128.5	4.6	B1/500		
BM	(30°-60°)	176.4	6.2	B0/220		
BH	(60°-80°)	87.6	3.1	B0/110		G0/110
BVH	(80°-90°)	13.4	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°	56°	65°	75°	85°
0°	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3
2.5°	728.9	726.2	726.2	719.4	709.4	695.5	678.9	674.8	668.5	652.3	631.4
5°	840.0	837.1	833.2	821.4	802.7	774.9	739.9	733.6	710.8	677.5	639.8
7.5°	913.5	911.8	910.6	900.4	882.0	854.5	807.7	800.5	762.0	706.8	647.8
10°	905.9	910.8	919.4	926.6	930.3	916.1	872.1	863.7	816.1	740.7	659.7
12.5°	834.9	841.8	857.8	887.1	920.8	948.1	923.1	918.4	873.8	776.8	674.6
15°	782.1	784.9	792.7	814.4	864.8	937.4	962.6	958.3	927.6	823.0	691.8
17.5°	765.7	766.9	768.8	775.9	810.3	895.9	978.8	982.9	979.8	871.1	711.3
20°	773.9	774.7	774.9	776.1	792.5	861.1	974.5	981.4	1025.6	919.2	730.5
22.5°	805.4	804.4	803.0	798.2	807.5	854.9	963.0	974.1	1061.1	963.0	748.3
25°	860.5	859.0	849.0	839.2	843.1	877.0	956.9	968.7	1088.7	1004.4	761.4
27.5°	926.0	924.5	914.3	895.7	891.6	913.9	971.2	978.6	1108.9	1041.0	767.1
30°	993.9	993.9	981.2	959.7	946.6	956.1	997.6	1003.5	1124.3	1076.4	770.8
32.5°	1068.0	1070.1	1050.4	1025.8	1011.3	1005.8	1034.7	1039.8	1146.6	1118.2	778.6
35°	1163.2	1158.7	1134.7	1102.4	1079.1	1066.6	1080.5	1086.4	1179.4	1170.1	791.1
37.5°	1270.2	1262.3	1232.8	1194.1	1153.4	1132.5	1141.7	1143.1	1227.9	1237.9	813.8
40°	1358.7	1357.2	1332.3	1295.6	1244.2	1216.2	1211.7	1212.5	1295.2	1318.1	848.2
42.5°	1433.2	1427.8	1423.3	1410.4	1356.0	1309.9	1291.5	1291.7	1368.3	1401.0	882.8
45°	1466.1	1465.1	1478.4	1511.6	1472.5	1418.2	1392.0	1395.7	1452.0	1486.2	916.1
47.5°	1452.0	1452.8	1488.4	1575.4	1598.5	1557.0	1510.5	1508.3	1533.0	1551.5	945.6
50°	1325.9	1339.2	1435.6	1581.3	1681.2	1701.9	1649.5	1641.1	1604.1	1603.5	963.6
52.5°	1230.7	1230.1	1289.3	1521.0	1710.5	1832.7	1785.6	1766.8	1662.8	1632.7	965.1
55°	1102.2	1101.4	1145.4	1344.3	1652.4	1924.0	1913.9	1890.4	1716.6	1642.3	955.2
57.5°	834.7	850.2	894.0	1076.2	1468.2	1909.4	2036.6	2016.9	1769.2	1638.0	953.4
60°	454.2	452.3	515.8	701.4	1124.1	1744.5	2090.0	2088.9	1825.1	1636.4	964.6
62.5°	209.4	207.3	220.0	312.3	644.5	1397.5	1986.8	2001.6	1876.9	1621.5	963.6
65°	156.6	151.3	134.1	145.3	246.6	834.3	1687.6	1726.9	1797.1	1560.1	919.0
67.5°	139.6	134.5	114.4	107.3	123.8	294.3	1224.2	1260.4	1502.7	1445.0	846.8
70°	127.9	123.4	103.4	92.1	92.9	130.4	640.8	712.1	1101.4	1206.0	721.7
72.5°	116.7	112.8	94.6	81.1	78.2	86.2	218.4	263.4	685.1	878.9	538.1
75°	104.8	101.1	85.1	72.7	67.1	63.9	104.0	112.0	362.3	485.3	288.8
77.5°	91.1	89.0	75.9	64.1	59.4	48.3	69.2	72.7	155.1	190.6	137.5
80°	79.2	77.6	67.7	58.1	53.2	37.3	47.7	50.1	76.5	95.2	77.0
82.5°	51.6	55.7	56.1	49.9	46.9	29.9	31.5	33.4	50.8	56.1	33.6
85°	21.3	25.8	38.7	34.4	32.5	25.4	20.9	21.3	31.1	32.7	12.1
87.5°	9.6	10.6	19.0	19.2	16.8	9.6	10.4	11.5	16.0	15.8	5.3
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°	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3	626.3
2.5°	625.7	616.3	599.5	578.0	562.7	551.4	539.1	530.1	520.1	511.3	512.7
5°	624.3	606.1	568.4	528.5	489.6	457.7	431.1	411.4	391.1	383.2	382.1
7.5°	625.5	594.6	532.8	467.5	408.3	367.6	336.7	318.1	306.4	299.6	300.1
10°	625.1	583.7	494.3	404.2	339.6	302.3	283.5	277.3	276.3	277.1	278.4
12.5°	625.7	569.0	451.1	347.3	290.2	271.2	272.0	277.5	281.0	283.3	284.7
15°	628.4	556.9	406.9	302.5	264.4	265.1	273.9	282.5	287.6	290.0	291.3
17.5°	632.3	541.8	367.6	268.5	253.6	263.0	274.5	283.7	287.6	289.0	290.0
20°	632.7	524.4	327.9	245.2	246.4	258.7	268.7	276.1	281.0	282.7	283.5
22.5°	630.8	500.8	287.2	228.2	238.2	250.5	259.1	267.5	261.0	255.6	254.2
25°	623.0	471.2	252.4	214.3	228.0	239.5	249.3	240.1	237.0	232.9	233.3
27.5°	606.3	434.1	219.6	201.2	215.9	232.3	225.1	223.9	220.0	215.9	215.9
30°	584.2	395.0	192.2	187.5	201.4	209.6	211.2	209.4	207.1	201.8	202.2
32.5°	564.3	353.7	172.7	176.0	192.2	192.2	199.4	199.4	191.2	176.2	176.2
35°	544.6	314.8	158.4	166.4	177.0	180.5	190.4	177.5	165.8	159.0	158.6
37.5°	529.3	281.6	149.0	158.2	162.3	171.1	171.3	161.9	158.0	151.9	151.3
40°	520.3	253.8	143.3	154.1	154.5	162.7	149.2	151.9	151.1	146.3	145.7
42.5°	515.4	232.3	139.0	150.6	148.6	140.6	138.2	142.7	144.1	141.6	140.6
45°	511.5	215.5	135.5	138.6	143.9	129.4	128.3	131.8	134.9	134.7	133.9
47.5°	509.4	203.9	132.4	131.0	132.0	122.6	120.6	122.2	126.1	128.5	128.3
50°	501.5	194.9	127.9	123.2	116.7	116.7	115.6	115.6	120.4	125.3	125.7
52.5°	487.3	184.2	121.4	115.8	108.3	111.5	112.0	111.1	116.1	121.4	121.8
55°	471.8	176.2	112.6	109.1	101.3	106.8	108.7	107.9	111.1	114.8	114.6
57.5°	472.0	176.0	105.0	102.3	94.8	100.9	105.4	105.6	105.4	108.1	108.1
60°	483.9	180.1	99.1	93.3	87.2	94.6	101.9	101.9	100.5	104.4	104.8
62.5°	487.3	179.7	95.4	84.7	80.4	88.8	96.8	98.0	97.0	102.5	103.2
65°	456.6	170.1	91.7	77.0	74.3	82.5	90.5	93.9	92.9	100.1	100.9
67.5°	414.1	157.6	86.0	70.0	68.0	76.3	83.9	87.6	87.4	96.8	97.2
70°	357.0	142.3	78.8	62.8	61.8	69.2	75.9	79.8	81.7	92.5	92.3
72.5°	276.5	122.0	68.0	55.3	55.1	61.8	67.7	72.0	75.5	86.0	86.0
75°	178.3	96.0	55.5	47.9	47.1	53.4	59.6	64.5	75.1	91.7	91.5
77.5°	108.9	73.3	44.6	39.9	39.7	45.4	51.6	60.0	82.1	81.7	79.4
80°	65.3	52.6	35.6	31.9	31.9	37.3	44.0	64.3	68.2	77.8	73.5
82.5°	34.0	32.3	26.6	23.5	24.6	29.3	40.1	51.4	55.7	47.3	43.4
85°	13.9	17.2	16.4	14.9	15.6	20.3	38.7	41.1	33.0	34.6	34.8
87.5°	4.7	7.6	7.6	5.9	6.5	14.3	22.9	13.7	16.6	9.8	7.4
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)