

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: P671135

Luminaire Tested: **CCP-SA-1A-827-U-T4W**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671135
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-827-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T4W
distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2028.8 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
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

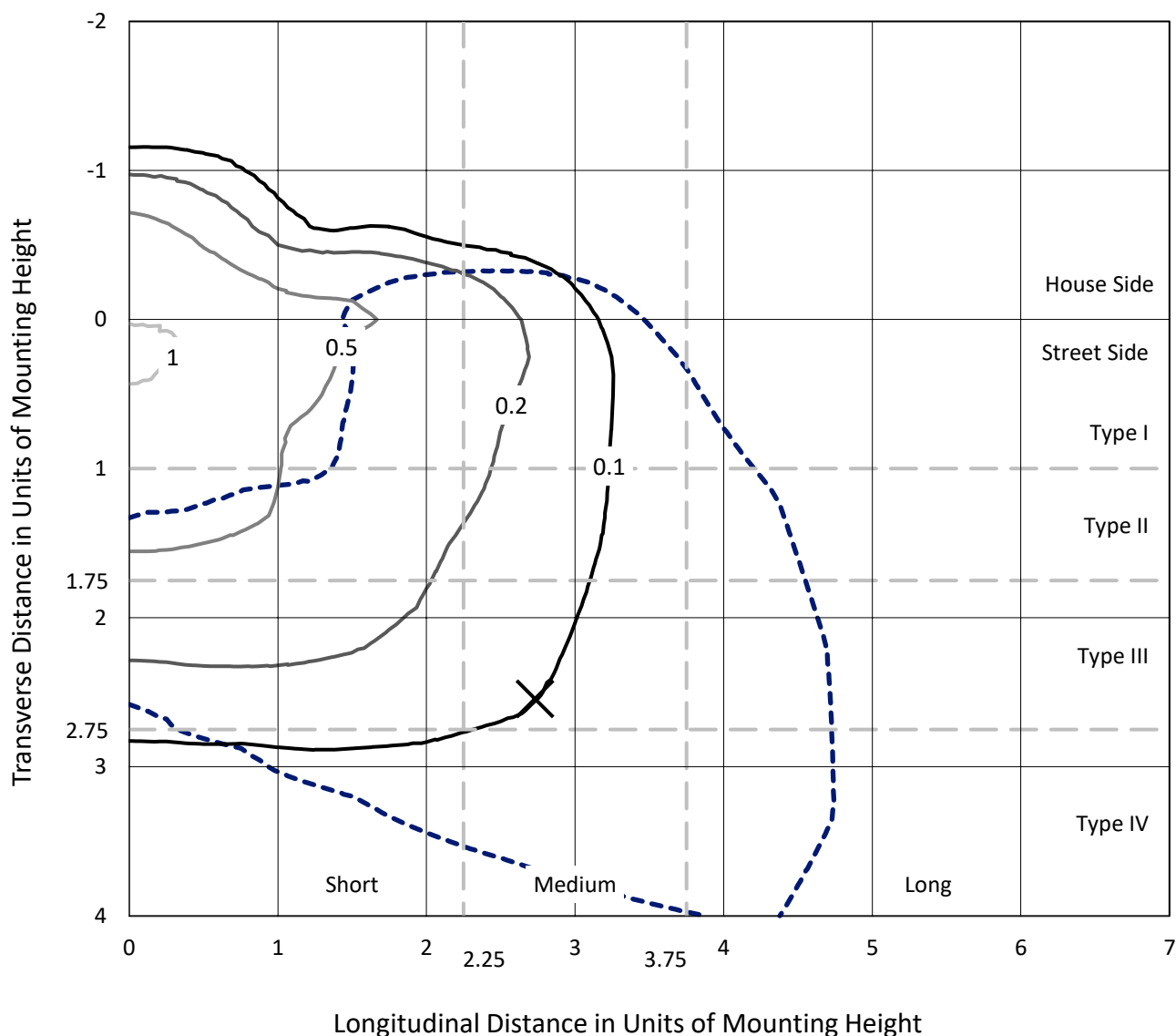
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

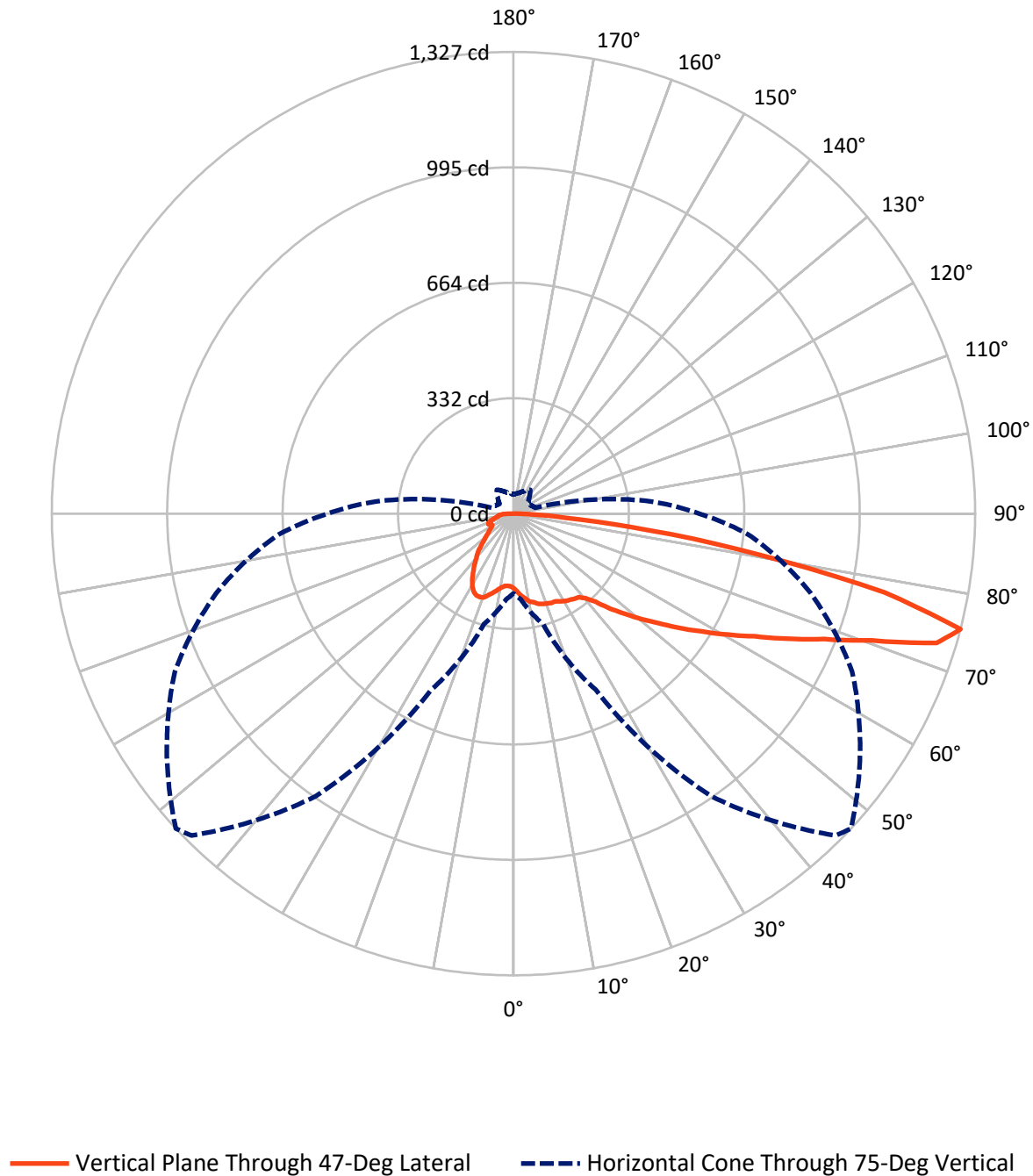


Based on 15 foot mounting height. Maximum calculated value = 1.2 fc

Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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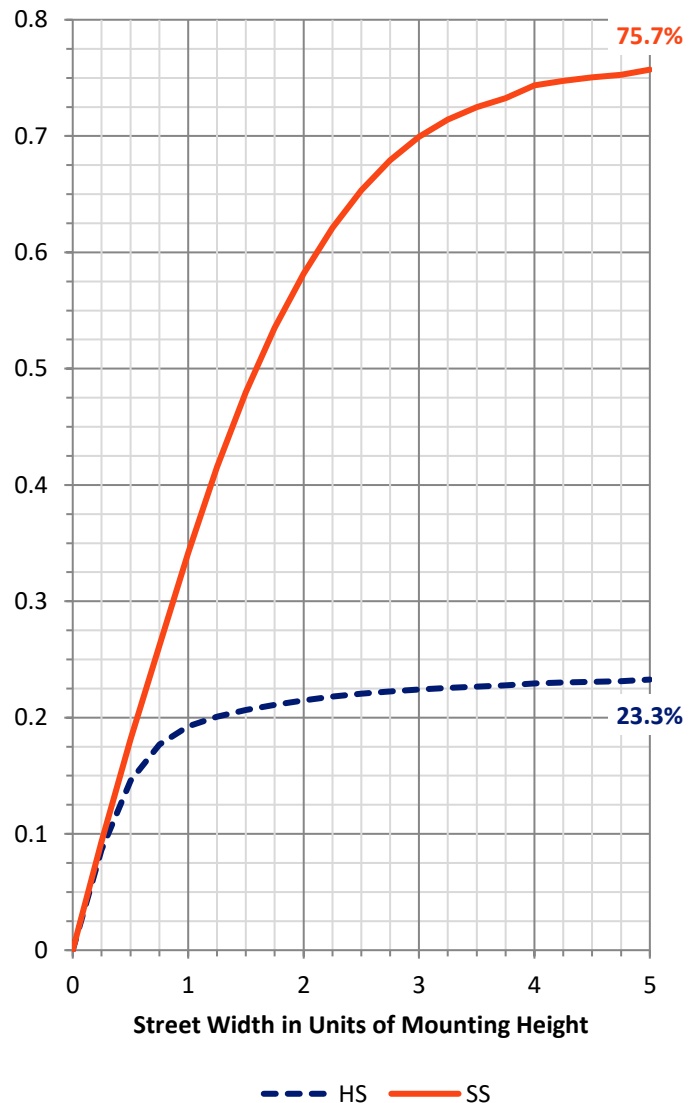
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	485.2	0.0	485.2
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	1543.6	0.0	1543.6
	% Fixture	76.1	0.0	76.1
Total	Lumens	2028.8	0.0	2028.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.8	1.1
10°-20°	72.3	3.6
20°-30°	123.9	6.1
30°-40°	173.3	8.5
40°-50°	241.7	11.9
50°-60°	361.2	17.8
60°-70°	520.8	25.7
70°-80°	443.3	21.8
80°-90°	70.6	3.5
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°	2028.8	100.0
0°-180°	2028.8	100.0

Coefficient of Utilization



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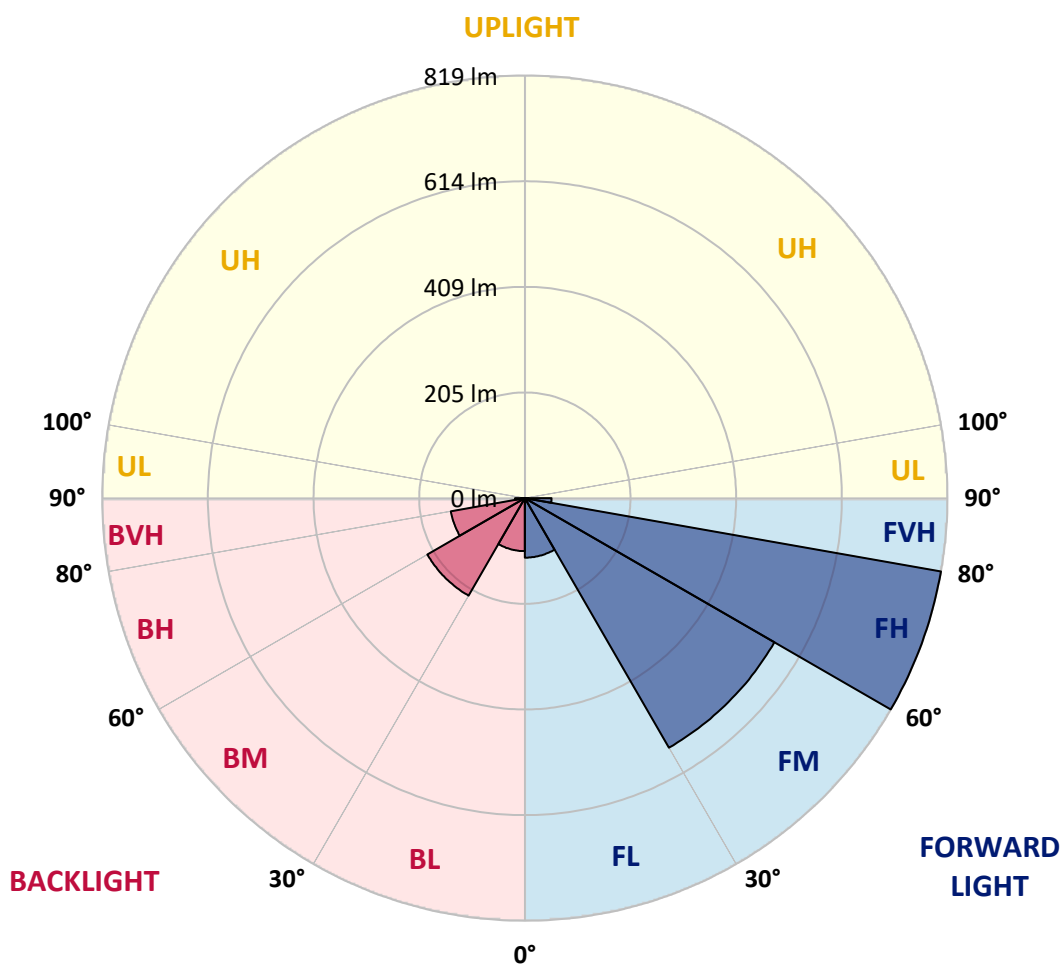
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	115.3	5.7			
FM	(30°-60°)	558.1	27.5			
FH	(60°-80°)	818.5	40.3			G1/1800
FVH	(80°-90°)	51.7	2.6			G1/100
BL	(0°-30°)	102.7	5.1	B0/110		
BM	(30°-60°)	218.1	10.7	B0/220		
BH	(60°-80°)	145.5	7.2	B1/500		G1/500
BVH	(80°-90°)	18.9	0.9			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	215.4	215.4	215.4	215.4	215.4	215.4	215.4	215.4	215.4	215.4	215.4
2.5°	231.0	231.7	231.7	230.2	228.7	225.8	225.8	222.8	221.3	217.6	216.2
5°	252.4	250.2	248.0	247.3	243.6	238.4	237.6	234.7	226.5	222.8	217.6
7.5°	268.0	267.2	266.5	263.5	256.9	248.7	246.5	242.1	233.9	226.5	220.6
10°	280.6	283.5	280.6	273.9	267.2	258.4	257.6	249.5	242.1	233.2	225.8
12.5°	294.6	295.4	290.2	282.0	271.7	264.3	261.3	258.4	250.2	242.8	231.7
15°	304.3	302.8	299.1	288.0	276.1	268.7	269.5	265.8	256.9	251.7	239.8
17.5°	304.3	304.3	298.3	290.2	279.8	273.2	273.2	270.9	265.0	257.6	249.5
20°	298.3	298.3	294.6	290.2	278.3	276.9	275.4	273.9	273.9	267.2	255.4
22.5°	290.9	289.4	290.9	283.5	275.4	276.9	279.1	278.3	276.1	270.2	262.1
25°	283.5	284.3	285.7	280.6	273.2	279.8	279.1	282.8	281.3	276.9	270.2
27.5°	282.8	284.3	285.0	279.8	276.9	282.8	285.7	289.4	290.2	285.7	277.6
30°	293.9	293.1	292.4	285.7	283.5	288.7	291.7	296.9	301.3	291.7	285.0
32.5°	322.8	318.3	313.9	296.1	289.4	293.1	296.1	303.5	304.3	299.1	289.4
35°	368.7	365.7	350.9	319.8	301.3	297.6	300.6	305.7	307.2	303.5	296.1
37.5°	421.2	419.7	399.0	361.3	325.7	308.0	305.0	312.4	318.3	310.2	299.8
40°	473.0	467.1	452.3	415.3	356.8	323.5	319.8	323.5	325.7	319.8	313.1
42.5°	519.7	513.0	509.3	472.3	397.5	349.4	346.4	337.6	344.2	336.8	327.9
45°	558.9	557.4	555.9	524.1	444.2	391.6	389.4	366.4	373.8	367.9	355.3
47.5°	587.0	593.7	591.5	573.7	497.5	436.8	430.1	400.5	411.6	405.7	393.1
50°	620.4	624.1	621.8	610.0	547.1	488.6	476.0	445.6	458.2	457.5	450.8
52.5°	650.0	661.1	648.5	647.7	618.1	544.8	523.4	494.5	515.2	523.4	522.6
55°	684.8	693.6	689.9	688.5	681.8	599.6	580.4	545.6	580.4	592.2	602.6
57.5°	714.4	713.6	727.7	744.7	752.9	662.5	639.6	598.9	651.4	664.8	693.6
60°	727.7	740.3	764.0	806.9	829.8	729.9	706.2	673.7	723.2	733.6	786.9
62.5°	736.6	747.7	793.6	866.1	879.4	798.8	776.5	744.0	801.7	809.1	888.3
65°	712.1	722.5	813.6	888.3	935.7	872.8	867.6	833.6	880.2	884.6	994.9
67.5°	684.0	695.1	796.5	916.5	1010.5	971.2	963.1	922.4	957.9	952.7	1076.4
70°	634.4	649.2	752.9	940.9	1093.4	1108.9	1092.6	1034.9	1038.6	989.7	1080.1
72.5°	483.4	493.0	589.3	843.9	1131.9	1299.9	1271.8	1156.3	1114.1	997.2	953.5
75°	229.5	247.3	328.7	558.2	992.0	1308.8	1327.3	1216.3	1074.1	884.6	675.9
77.5°	66.6	66.6	99.9	236.9	621.8	1054.9	1089.7	1032.7	886.1	655.1	355.3
80°	36.3	38.5	52.6	83.7	273.2	665.5	715.8	684.8	521.9	259.1	91.8
82.5°	20.7	21.5	34.8	50.3	124.4	362.0	391.6	355.3	198.4	78.5	42.9
85°	11.8	12.6	20.0	33.3	74.0	133.2	145.1	125.8	79.9	52.6	21.5
87.5°	5.9	5.9	9.6	15.5	37.8	37.8	37.0	45.2	48.1	31.8	9.6
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°	215.4	215.4	215.4	215.4	215.4	215.4	215.4	215.4	215.4	215.4	215.4
2.5°	215.4	214.7	214.7	211.7	211.0	208.8	208.8	207.3	206.5	208.8	208.8
5°	216.2	212.5	211.7	208.8	209.5	208.0	211.0	209.5	208.8	208.8	208.0
7.5°	217.6	213.9	211.0	208.8	208.0	210.2	213.9	213.9	218.4	216.2	216.2
10°	221.3	219.1	215.4	213.9	213.9	216.2	220.6	223.6	227.3	227.3	225.0
12.5°	230.2	226.5	222.1	219.9	222.8	225.0	229.5	232.4	236.9	238.4	236.9
15°	236.9	233.2	231.7	230.2	232.4	235.4	239.1	242.1	247.3	248.7	248.0
17.5°	245.8	241.3	240.6	241.3	242.8	245.0	247.3	249.5	253.2	253.2	253.2
20°	250.2	248.7	248.0	250.2	253.2	256.1	254.7	253.2	252.4	253.9	253.2
22.5°	258.4	256.9	257.6	259.8	259.8	258.4	256.1	251.0	249.5	251.0	249.5
25°	265.8	264.3	264.3	262.8	262.1	256.9	252.4	248.0	242.8	245.0	244.3
27.5°	273.2	272.4	272.4	266.5	259.1	250.2	244.3	239.1	236.1	239.8	237.6
30°	282.0	282.8	279.1	265.0	247.3	237.6	231.0	230.2	229.5	231.7	231.0
32.5°	290.2	290.9	285.0	262.8	238.4	219.9	213.2	213.9	217.6	221.3	225.0
35°	294.6	298.3	290.9	255.4	220.6	199.9	192.5	199.1	205.8	211.0	214.7
37.5°	302.8	312.4	299.8	247.3	205.1	182.1	176.9	179.1	187.3	195.4	199.1
40°	314.6	325.7	302.0	231.7	184.3	164.3	161.4	162.1	165.1	170.3	174.0
42.5°	335.3	347.2	304.3	211.7	163.6	153.2	145.1	142.9	140.7	140.7	139.9
45°	365.7	376.8	301.3	186.5	142.9	135.5	129.5	124.4	118.4	108.8	110.3
47.5°	410.1	419.0	303.5	164.3	123.6	117.7	113.3	107.3	98.5	88.1	87.4
50°	477.5	464.2	300.6	141.4	109.6	104.4	100.7	92.5	82.2	74.8	74.0
52.5°	555.9	529.3	297.6	122.1	97.7	93.3	90.3	81.4	71.8	68.1	67.4
55°	650.7	612.2	302.0	105.1	88.8	85.1	82.2	74.0	66.6	63.7	62.9
57.5°	762.5	701.8	326.5	91.8	79.2	77.7	77.0	70.3	63.7	61.4	60.7
60°	867.6	787.7	342.7	82.2	70.3	71.8	73.3	70.3	62.9	61.4	61.4
62.5°	955.7	858.7	316.8	74.0	65.9	70.3	77.0	74.8	71.8	73.3	71.8
65°	1033.4	883.1	236.9	69.6	63.7	74.0	85.1	84.4	77.7	79.2	78.5
67.5°	1046.7	853.5	154.7	65.9	62.2	81.4	95.5	86.6	73.3	73.3	71.1
70°	991.2	774.3	103.6	62.2	61.4	81.4	97.7	81.4	68.8	68.8	65.9
72.5°	813.6	618.9	79.9	58.5	56.3	72.5	92.5	77.0	64.4	62.9	57.7
75°	534.5	399.0	65.1	55.5	48.9	63.7	83.7	71.1	61.4	57.0	54.8
77.5°	262.1	179.1	54.8	48.9	42.2	55.5	76.2	67.4	57.7	53.3	51.8
80°	71.8	64.4	45.9	42.9	35.5	48.1	71.8	64.4	54.0	49.6	47.4
82.5°	40.7	40.0	37.0	34.8	29.6	48.1	72.5	64.4	51.1	50.3	42.9
85°	22.2	23.7	26.6	25.9	22.9	42.9	68.8	56.3	41.5	34.8	34.8
87.5°	8.9	11.1	13.3	14.8	15.5	31.8	51.8	42.9	31.8	26.6	26.6
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)