

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: P674867

Luminaire Tested: **CCW-SA-1A-827-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674867
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-827-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
T2 distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2006.1 lumens
Efficiency: N/A
Efficacy: 111.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

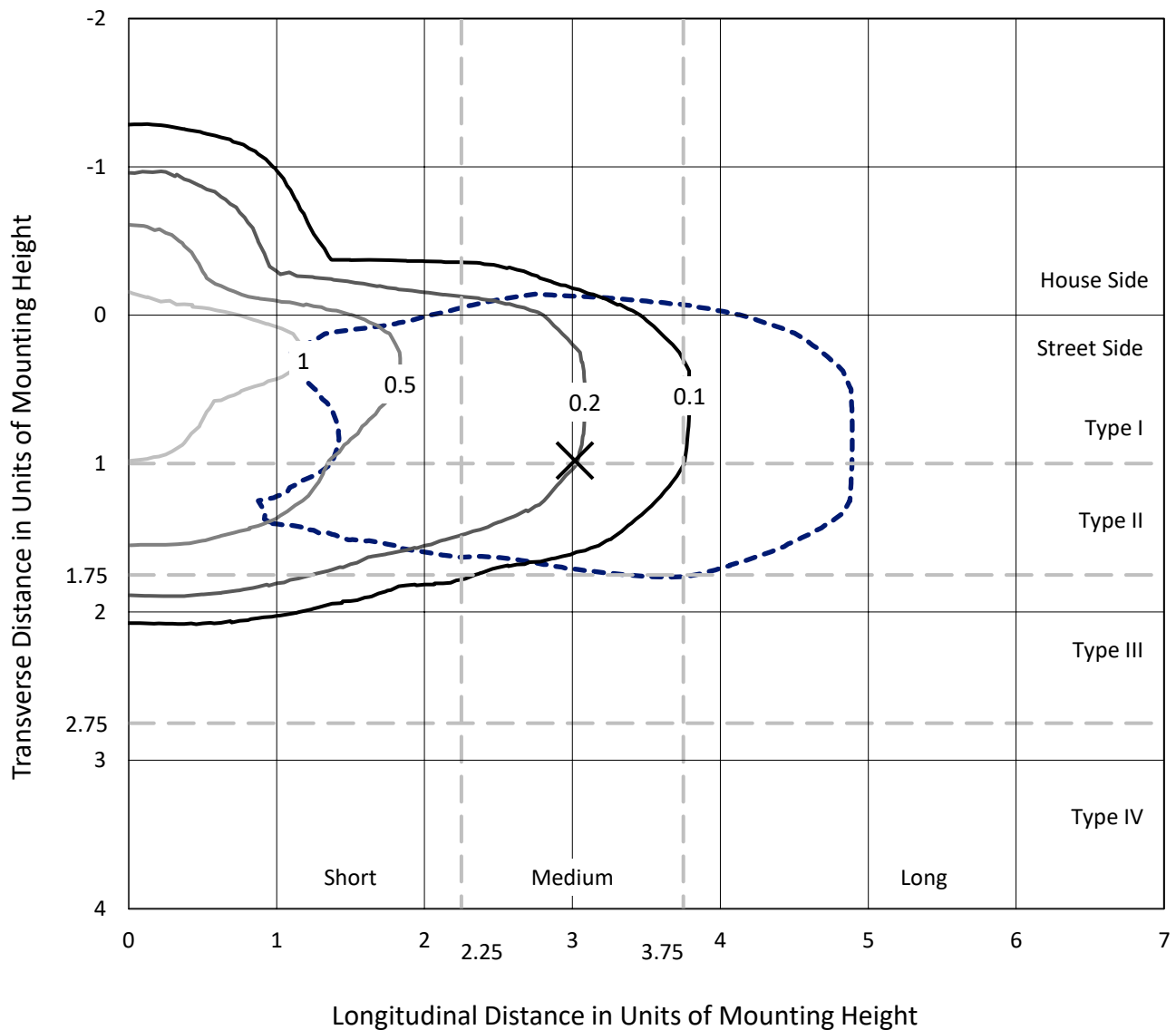
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

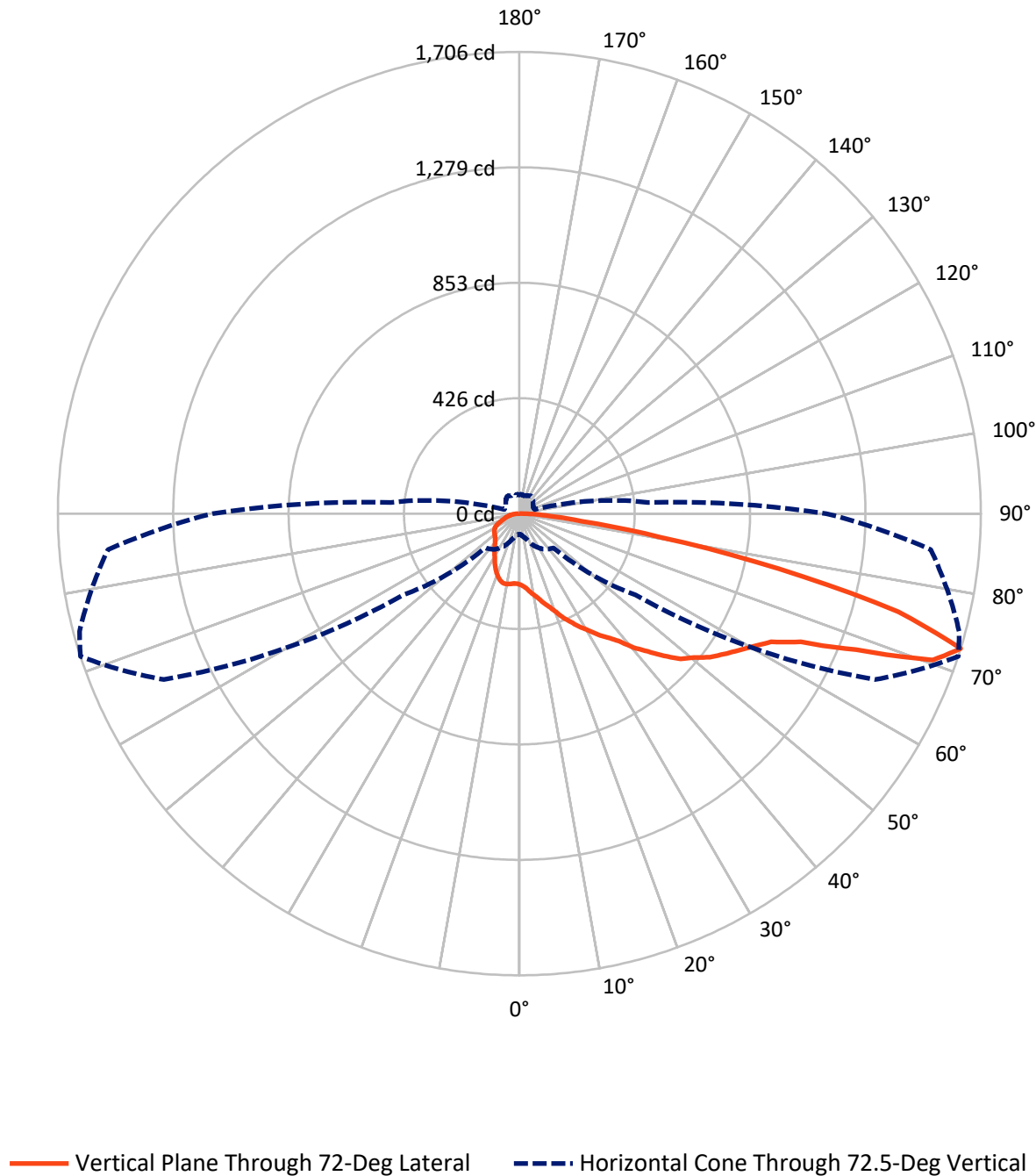


Based on 15 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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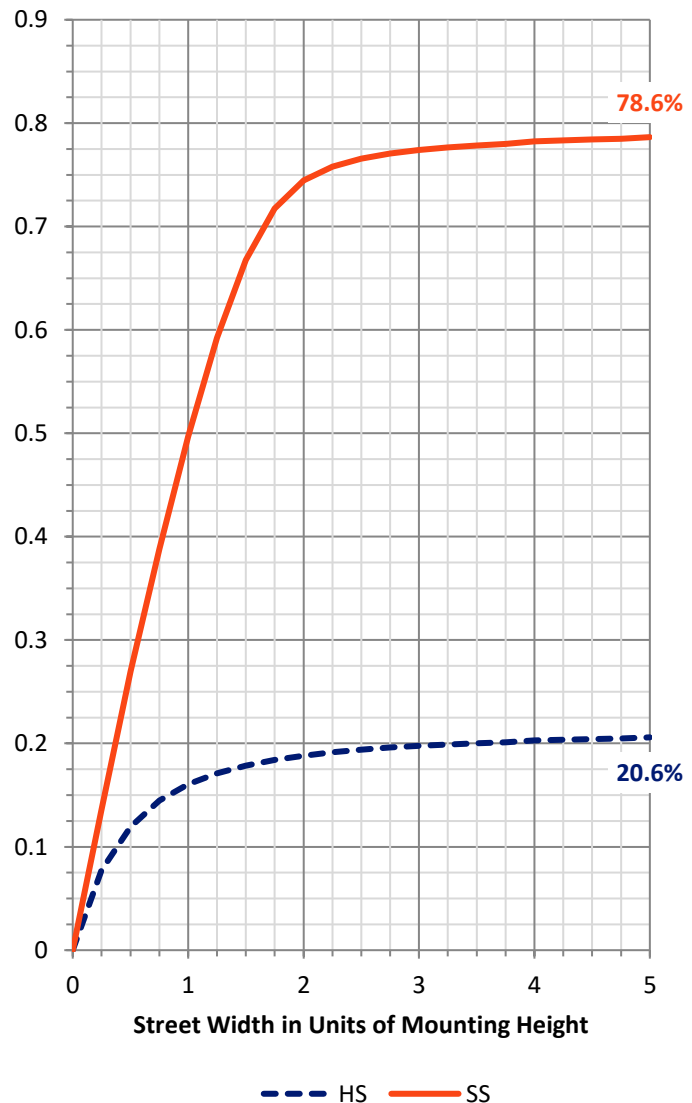
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	422.2	0.0	422.2
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	1583.9	0.0	1583.9
	% Fixture	79.0	0.0	79.0
Total	Lumens	2006.1	0.0	2006.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.9	1.3
10°-20°	80.5	4.0
20°-30°	139.3	6.9
30°-40°	205.8	10.3
40°-50°	306.0	15.3
50°-60°	419.5	20.9
60°-70°	455.0	22.7
70°-80°	320.8	16.0
80°-90°	53.3	2.7
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°	2006.1	100.0
0°-180°	2006.1	100.0

Coefficient of Utilization



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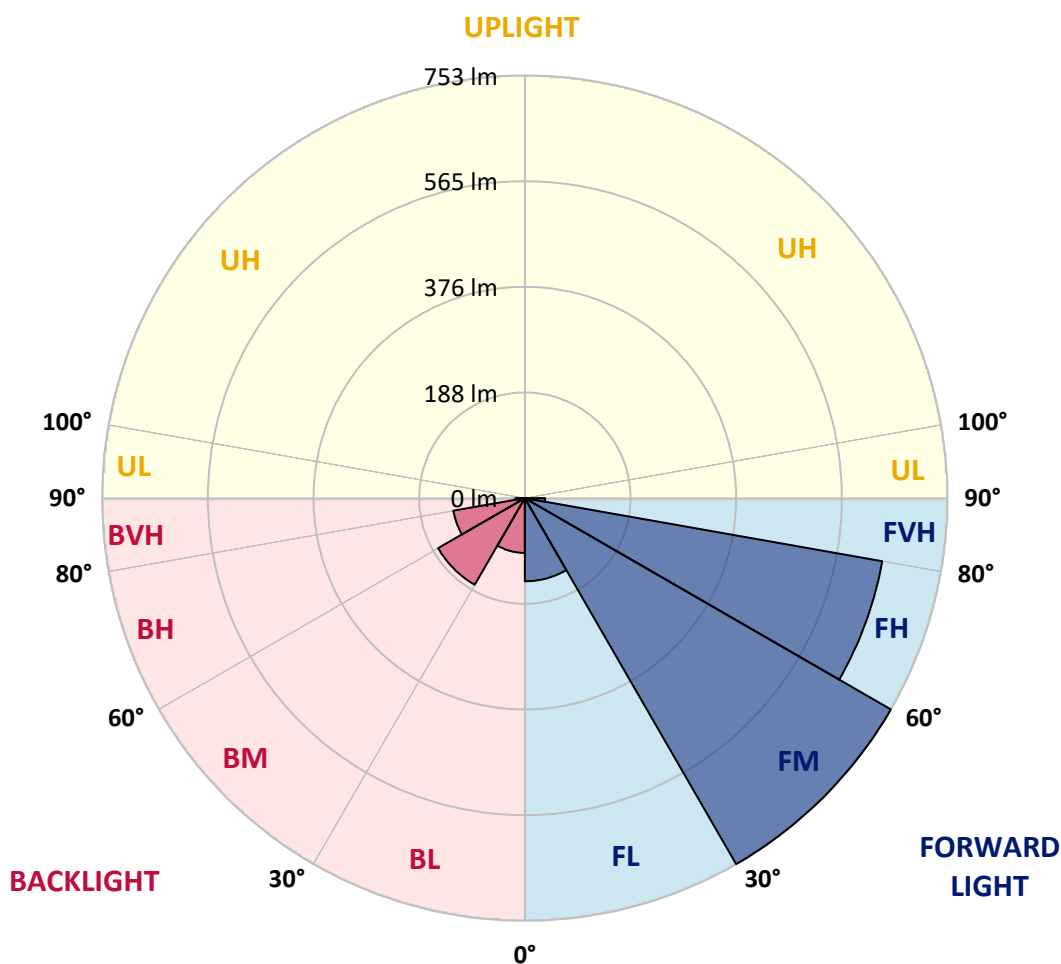
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	148.1	7.4			
FM	(30°-60°)	752.9	37.5			
FH	(60°-80°)	646.5	32.2			G0/660
FVH	(80°-90°)	36.3	1.8			G1/100
BL	(0°-30°)	97.6	4.9	B0/110		
BM	(30°-60°)	178.3	8.9	B0/220		
BH	(60°-80°)	129.3	6.4	B1/500		G1/500
BVH	(80°-90°)	17.0	0.8			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0
2.5°	282.8	282.8	280.6	279.8	279.8	273.9	274.6	270.9	268.0	268.0	265.0
5°	297.6	296.1	296.1	296.1	292.4	290.2	289.4	282.8	277.6	278.3	269.5
7.5°	301.3	302.0	302.8	306.5	304.2	305.7	304.2	296.8	293.1	289.4	281.3
10°	303.5	305.0	305.0	310.2	310.2	313.9	316.1	313.1	306.5	302.8	289.4
12.5°	308.7	306.5	309.4	313.1	316.8	323.5	330.2	327.2	322.8	318.3	303.5
15°	308.7	309.4	311.6	317.6	323.5	330.2	342.0	346.4	344.2	336.1	320.5
17.5°	299.8	297.6	307.9	319.0	330.2	338.3	353.8	364.2	362.7	359.8	336.1
20°	300.5	302.8	306.5	316.1	333.9	348.7	367.9	384.9	388.6	387.2	356.8
22.5°	313.9	314.6	318.3	322.8	336.8	356.1	384.9	412.3	419.0	415.3	379.8
25°	327.2	333.1	333.1	336.1	341.3	361.2	396.0	434.5	444.2	444.9	403.4
27.5°	348.7	350.1	354.6	356.1	360.5	372.3	408.6	450.8	473.0	470.1	424.9
30°	373.8	374.6	377.5	376.0	376.8	391.6	420.5	469.3	499.7	500.4	447.9
32.5°	403.4	409.4	410.8	401.2	402.7	406.4	439.0	491.5	533.0	527.8	467.8
35°	447.1	449.3	444.9	440.5	429.3	427.1	458.2	513.7	561.9	567.8	497.5
37.5°	501.2	507.1	501.2	477.5	465.6	456.7	481.9	538.2	596.6	616.6	527.1
40°	551.5	550.7	544.8	523.4	502.6	496.0	516.0	572.2	650.7	669.9	570.0
42.5°	592.2	590.0	586.3	570.0	550.7	539.6	555.2	607.7	695.8	732.9	619.6
45°	627.7	624.8	625.5	607.0	588.5	594.4	594.4	648.5	749.1	795.0	676.6
47.5°	661.0	662.5	660.3	646.2	632.2	647.7	639.6	695.1	801.7	852.8	724.7
50°	699.5	702.5	695.1	686.2	673.6	689.2	678.8	738.8	835.7	905.3	782.4
52.5°	735.8	738.8	745.4	734.3	721.7	734.3	710.6	779.5	880.9	956.4	826.9
55°	744.7	743.2	780.2	792.1	798.7	761.0	738.8	814.3	916.4	989.0	877.2
57.5°	704.0	707.7	758.0	792.1	863.1	830.6	770.6	855.0	953.4	1031.9	923.8
60°	602.6	604.8	667.7	748.4	852.0	895.7	856.5	907.6	994.2	1068.2	976.4
62.5°	402.7	419.7	498.2	624.8	773.6	913.5	993.4	996.4	1043.8	1114.1	1048.2
65°	212.5	220.6	282.0	384.2	586.3	852.0	1122.2	1172.6	1143.0	1198.5	1151.8
67.5°	139.2	142.1	175.4	233.2	338.3	621.8	1137.0	1478.3	1342.1	1359.1	1317.7
70°	103.6	105.1	129.5	172.5	209.5	332.4	932.0	1621.2	1620.4	1575.3	1514.6
72.5°	76.2	78.5	95.5	131.8	161.4	179.1	524.1	1450.2	1705.5	1682.6	1526.4
75°	60.0	61.4	70.3	102.2	130.3	117.7	265.8	1074.1	1446.5	1556.8	1396.9
77.5°	48.9	50.3	55.5	74.0	104.4	91.1	127.3	692.9	980.8	1120.7	1068.9
80°	40.7	40.7	44.4	52.6	80.7	68.8	75.5	389.4	528.5	583.3	484.9
82.5°	34.8	34.1	37.0	38.5	60.0	49.6	48.9	176.2	232.4	246.5	182.1
85°	22.2	22.9	34.8	33.3	39.2	34.1	27.4	83.6	109.6	111.8	68.1
87.5°	8.9	8.9	14.8	18.5	22.2	20.7	13.3	37.8	48.1	48.1	19.2
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°	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0	262.0
2.5°	264.3	261.3	259.1	257.6	253.9	250.2	250.9	250.2	247.2	245.8	245.8
5°	267.2	264.3	260.6	254.6	250.9	246.5	248.0	245.0	242.1	244.3	240.6
7.5°	274.6	269.5	264.3	255.4	249.5	242.8	239.8	238.4	236.1	234.7	234.7
10°	285.0	277.6	268.0	254.6	245.0	234.7	233.2	230.2	228.0	228.0	227.3
12.5°	295.4	287.2	270.9	249.5	233.2	225.8	225.0	225.8	227.3	228.0	228.7
15°	308.7	295.4	270.2	239.8	223.6	220.6	224.3	227.3	230.2	233.2	232.4
17.5°	321.3	305.7	263.5	228.0	215.4	216.2	222.8	228.7	234.7	237.6	238.4
20°	338.3	315.3	253.9	213.9	207.3	213.9	222.8	230.2	236.9	240.6	241.3
22.5°	357.5	326.5	241.3	201.3	200.6	207.3	216.2	227.3	234.7	241.3	240.6
25°	374.6	333.9	225.0	191.0	192.5	196.9	207.3	219.1	226.5	233.9	231.7
27.5°	385.7	335.3	208.0	183.6	183.6	188.0	197.6	205.1	211.7	217.6	218.4
30°	398.3	332.4	188.8	174.0	174.0	179.9	183.6	188.0	191.7	193.2	194.7
32.5°	413.1	325.7	176.9	166.6	166.6	171.0	173.2	171.7	171.0	167.3	169.5
35°	427.1	316.1	163.6	156.9	159.9	162.1	161.4	156.9	152.5	145.8	143.6
37.5°	444.2	306.5	151.8	146.6	151.8	152.5	152.5	147.3	141.4	133.2	133.2
40°	470.1	299.1	142.1	139.9	145.1	144.3	140.6	136.9	139.2	134.7	134.7
42.5°	497.5	296.1	133.2	134.0	136.2	136.9	133.2	128.8	137.7	132.5	133.2
45°	531.5	298.3	127.3	126.6	131.8	131.0	128.8	125.1	128.1	114.7	111.0
47.5°	563.3	302.8	124.4	121.4	127.3	128.8	125.8	117.7	113.3	105.1	103.6
50°	592.2	312.4	121.4	115.5	121.4	124.4	119.2	110.3	105.1	99.9	99.9
52.5°	619.6	326.5	119.9	108.8	114.0	117.7	114.7	105.9	99.9	97.7	95.5
55°	647.7	339.0	117.7	104.4	105.9	113.3	112.5	100.7	94.8	94.8	94.0
57.5°	687.7	356.1	114.7	97.0	99.9	108.1	108.1	98.5	91.8	92.5	93.3
60°	728.4	376.0	111.8	89.6	91.8	102.9	104.4	95.5	89.6	90.3	89.6
62.5°	793.6	413.1	105.9	80.7	85.1	96.2	99.9	91.8	86.6	88.1	88.1
65°	892.0	476.7	93.3	73.3	78.5	90.3	95.5	88.1	82.2	86.6	85.1
67.5°	1050.4	564.1	78.5	67.4	74.0	84.4	90.3	83.6	78.5	85.1	82.9
70°	1192.5	607.0	67.4	62.2	67.4	77.7	84.4	79.2	74.0	80.7	77.7
72.5°	1134.8	476.0	58.5	56.3	61.4	70.3	78.5	73.3	68.1	71.8	68.8
75°	979.4	379.0	51.1	50.3	54.8	63.7	71.8	68.1	62.9	64.4	62.9
77.5°	742.5	313.1	43.7	42.9	46.6	57.0	64.4	61.4	56.3	55.5	55.5
80°	331.6	154.0	36.3	36.3	38.5	48.9	54.8	53.3	48.1	47.4	46.6
82.5°	108.8	58.5	29.6	28.1	31.1	40.7	48.9	47.4	42.2	40.7	39.2
85°	43.7	28.1	21.5	21.5	24.4	34.1	43.7	40.7	34.1	30.4	30.4
87.5°	14.8	11.8	11.1	11.1	15.5	22.9	32.6	27.4	24.4	21.5	22.2
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)