

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: P674890

Luminaire Tested: **CCW-SA-1B-835-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674890
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-835-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T2 distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2838.7 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

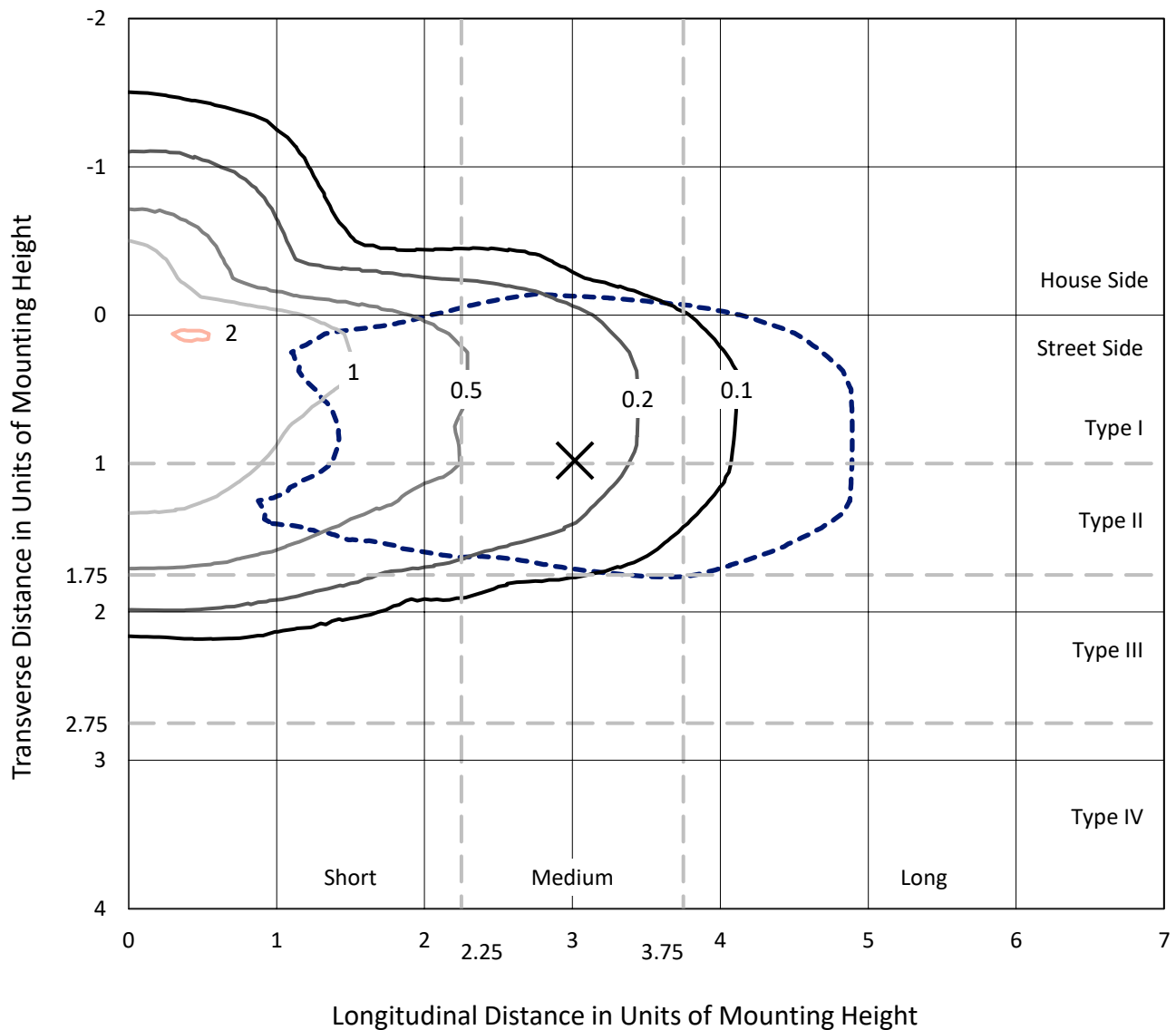
Input Watts (W): 24
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

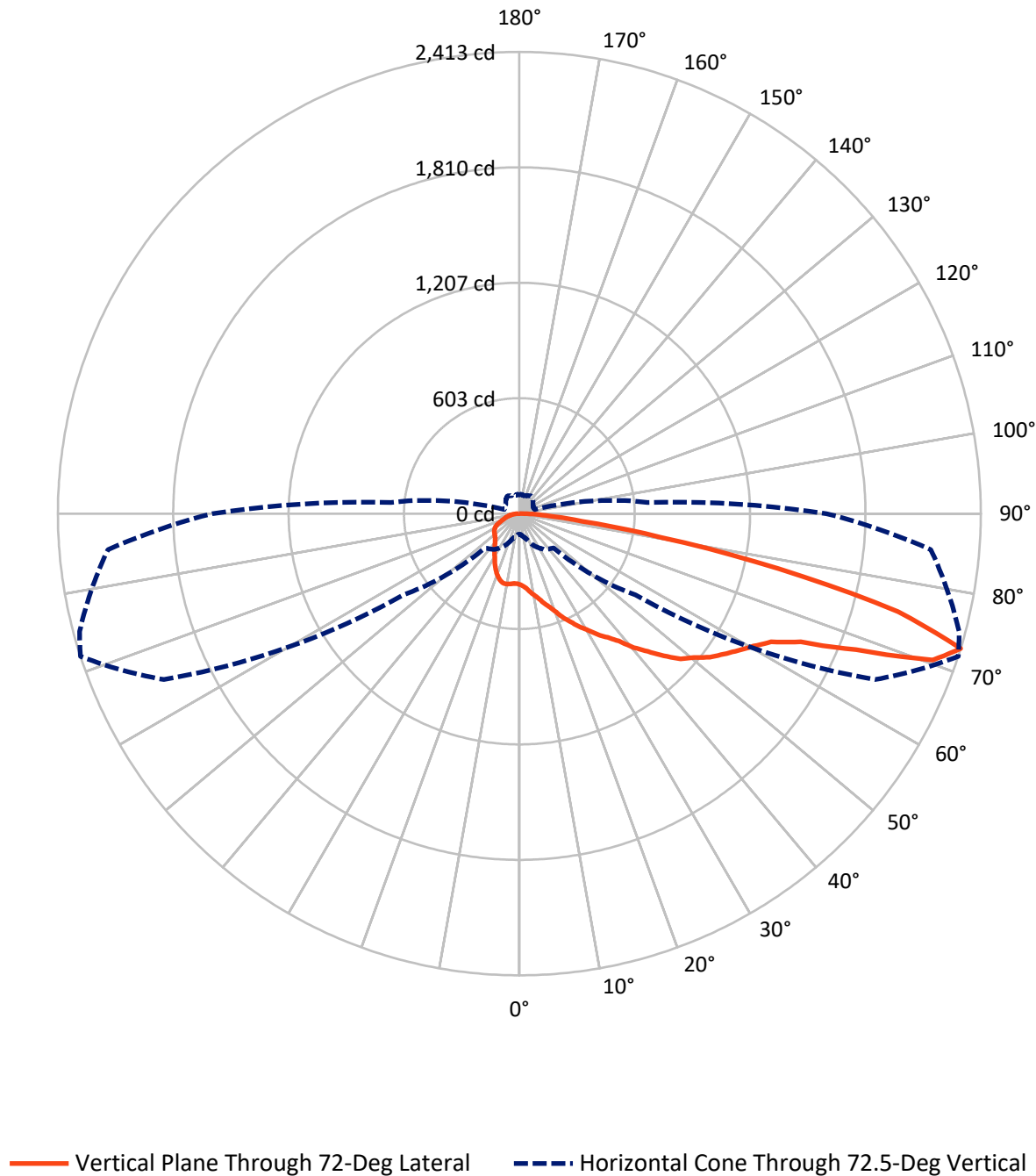
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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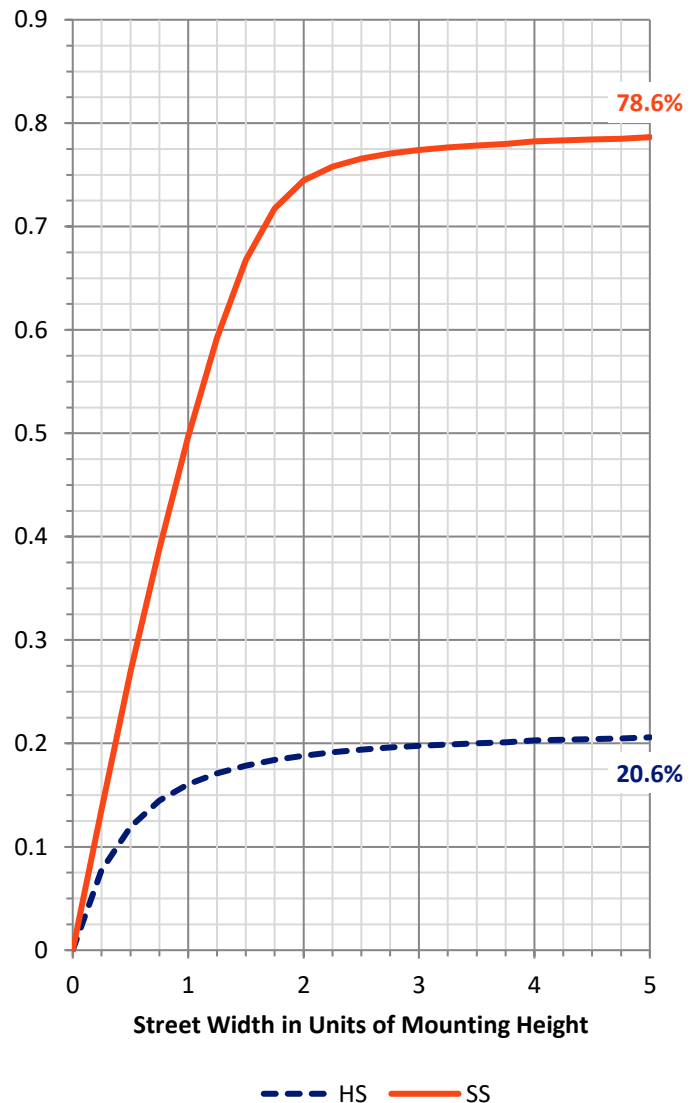
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	597.4	0.0	597.4
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	2241.3	0.0	2241.3
	% Fixture	79.0	0.0	79.0
Total	Lumens	2838.7	0.0	2838.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.7	1.3
10°-20°	113.9	4.0
20°-30°	197.1	6.9
30°-40°	291.2	10.3
40°-50°	433.0	15.3
50°-60°	593.6	20.9
60°-70°	643.9	22.7
70°-80°	453.9	16.0
80°-90°	75.4	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°	2838.7	100.0
0°-180°	2838.7	100.0

Coefficient of Utilization



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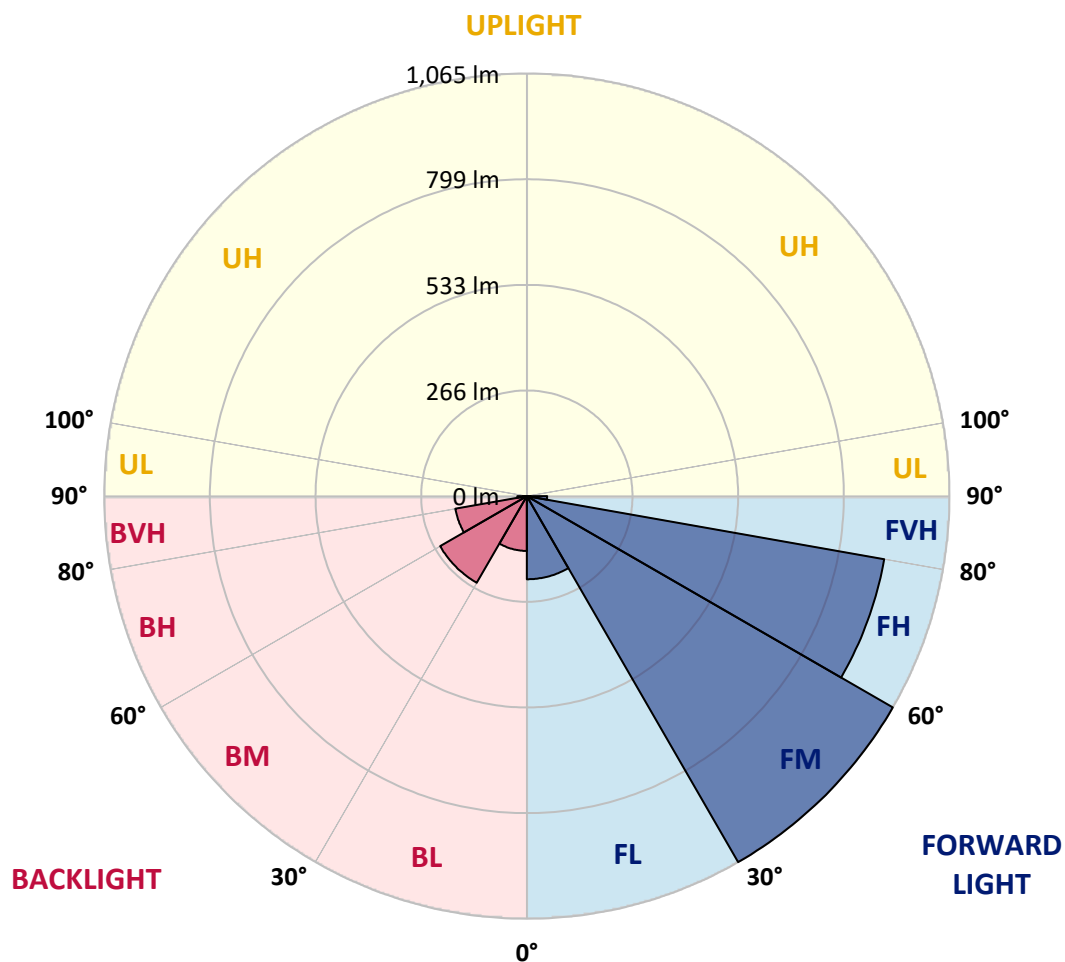
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	209.6	7.4			
FM	(30°-60°)	1065.4	37.5			
FH	(60°-80°)	914.8	32.2			G1/1800
FVH	(80°-90°)	51.4	1.8			G1/100
BL	(0°-30°)	138.1	4.9	B1/500		
BM	(30°-60°)	252.3	8.9	B1/1000		
BH	(60°-80°)	183.0	6.4	B1/500		G1/500
BVH	(80°-90°)	24.0	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°	370.8	370.8	370.8	370.8	370.8	370.8	370.8	370.8	370.8	370.8	370.8
2.5°	400.1	400.1	397.0	395.9	395.9	387.6	388.6	383.4	379.2	379.2	375.0
5°	421.1	419.0	419.0	419.0	413.8	410.6	409.6	400.1	392.8	393.9	381.3
7.5°	426.3	427.4	428.4	433.7	430.5	432.6	430.5	420.0	414.8	409.6	398.0
10°	429.5	431.6	431.6	438.9	438.9	444.1	447.3	443.1	433.7	428.4	409.6
12.5°	436.8	433.7	437.8	443.1	448.3	457.8	467.2	463.0	456.7	450.4	429.5
15°	436.8	437.8	441.0	449.4	457.8	467.2	483.9	490.2	487.1	475.6	453.6
17.5°	424.2	421.1	435.8	451.5	467.2	478.7	500.7	515.4	513.3	509.1	475.6
20°	425.3	428.4	433.7	447.3	472.4	493.4	520.6	544.7	549.9	547.8	504.9
22.5°	444.1	445.2	450.4	456.7	476.6	503.8	544.7	583.4	592.9	587.6	537.4
25°	463.0	471.4	471.4	475.6	482.9	511.2	560.4	614.9	628.5	629.5	570.9
27.5°	493.4	495.5	501.7	503.8	510.1	526.9	578.2	637.9	669.3	665.2	601.3
30°	529.0	530.0	534.2	532.1	533.2	554.1	595.0	664.1	707.1	708.1	633.7
32.5°	570.9	579.3	581.4	567.7	569.8	575.1	621.2	695.5	754.2	746.9	662.0
35°	632.7	635.8	629.5	623.3	607.5	604.4	648.4	727.0	795.0	803.4	703.9
37.5°	709.1	717.5	709.1	675.6	658.9	646.3	681.9	761.5	844.3	872.6	745.8
40°	780.4	779.3	770.9	740.6	711.2	701.8	730.1	809.7	920.7	948.0	806.6
42.5°	838.0	834.8	829.6	806.6	779.3	763.6	785.6	860.0	984.6	1037.0	876.7
45°	888.3	884.1	885.1	858.9	832.7	841.1	841.1	917.6	1060.1	1125.0	957.4
47.5°	935.4	937.5	934.4	914.5	894.6	916.5	905.0	983.6	1134.4	1206.7	1025.5
50°	989.9	994.1	983.6	971.0	953.2	975.2	960.5	1045.4	1182.6	1281.1	1107.2
52.5°	1041.2	1045.4	1054.8	1039.1	1021.3	1039.1	1005.6	1103.0	1246.5	1353.3	1170.0
55°	1053.8	1051.7	1104.0	1120.8	1130.2	1076.8	1045.4	1152.2	1296.8	1399.4	1241.3
57.5°	996.2	1001.4	1072.6	1120.8	1221.4	1175.3	1090.4	1209.8	1349.2	1460.2	1307.3
60°	852.7	855.8	944.8	1059.0	1205.7	1267.5	1211.9	1284.2	1406.8	1511.5	1381.6
62.5°	569.8	593.9	705.0	884.1	1094.6	1292.6	1405.7	1409.9	1477.0	1576.5	1483.2
65°	300.6	312.2	399.1	543.6	829.6	1205.7	1588.0	1659.2	1617.3	1695.9	1629.9
67.5°	196.9	201.1	248.3	330.0	478.7	879.9	1608.9	2091.8	1899.1	1923.2	1864.5
70°	146.6	148.7	183.3	244.1	296.4	470.3	1318.8	2294.0	2292.9	2229.0	2143.2
72.5°	107.9	111.0	135.1	186.5	228.4	253.5	741.6	2052.0	2413.4	2380.9	2159.9
75°	84.8	86.9	99.5	144.6	184.4	166.5	376.0	1519.9	2046.8	2202.9	1976.6
77.5°	69.1	71.2	78.6	104.7	147.7	128.8	180.2	980.4	1387.9	1585.9	1512.6
80°	57.6	57.6	62.8	74.4	114.2	97.4	106.8	551.0	747.9	825.4	686.1
82.5°	49.2	48.2	52.4	54.5	84.8	70.2	69.1	249.3	328.9	348.8	257.7
85°	31.4	32.5	49.2	47.1	55.5	48.2	38.8	118.4	155.0	158.2	96.4
87.5°	12.6	12.6	20.9	26.2	31.4	29.3	18.9	53.4	68.1	68.1	27.2
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°	370.8	370.8	370.8	370.8	370.8	370.8	370.8	370.8	370.8	370.8	370.8
2.5°	374.0	369.8	366.6	364.5	359.3	354.0	355.1	354.0	349.9	347.8	347.8
5°	378.1	374.0	368.7	360.3	355.1	348.8	350.9	346.7	342.5	345.7	340.4
7.5°	388.6	381.3	374.0	361.4	353.0	343.6	339.4	337.3	334.1	332.1	332.1
10°	403.3	392.8	379.2	360.3	346.7	332.1	330.0	325.8	322.6	322.6	321.6
12.5°	417.9	406.4	383.4	353.0	330.0	319.5	318.4	319.5	321.6	322.6	323.7
15°	436.8	417.9	382.3	339.4	316.3	312.2	317.4	321.6	325.8	330.0	328.9
17.5°	454.6	432.6	372.9	322.6	304.8	305.9	315.3	323.7	332.1	336.2	337.3
20°	478.7	446.2	359.3	302.7	293.3	302.7	315.3	325.8	335.2	340.4	341.5
22.5°	505.9	461.9	341.5	284.9	283.9	293.3	305.9	321.6	332.1	341.5	340.4
25°	530.0	472.4	318.4	270.3	272.3	278.6	293.3	310.1	320.5	331.0	327.9
27.5°	545.7	474.5	294.3	259.8	259.8	266.1	279.7	290.2	299.6	308.0	309.0
30°	563.5	470.3	267.1	246.2	246.2	254.5	259.8	266.1	271.3	273.4	275.5
32.5°	584.5	460.9	250.3	235.7	235.7	242.0	245.1	243.0	242.0	236.7	239.9
35°	604.4	447.3	231.5	222.1	226.3	229.4	228.4	222.1	215.8	206.4	203.2
37.5°	628.5	433.7	214.7	207.4	214.7	215.8	215.8	208.4	200.1	188.5	188.5
40°	665.2	423.2	201.1	198.0	205.3	204.3	199.0	193.8	196.9	190.6	190.6
42.5°	703.9	419.0	188.5	189.6	192.7	193.8	188.5	182.3	194.8	187.5	188.5
45°	752.1	422.1	180.2	179.1	186.5	185.4	182.3	177.0	181.2	162.4	157.1
47.5°	797.1	428.4	176.0	171.8	180.2	182.3	178.1	166.5	160.3	148.7	146.6
50°	838.0	442.0	171.8	163.4	171.8	176.0	168.6	156.1	148.7	141.4	141.4
52.5°	876.7	461.9	169.7	154.0	161.3	166.5	162.4	149.8	141.4	138.3	135.1
55°	916.5	479.7	166.5	147.7	149.8	160.3	159.2	142.5	134.1	134.1	133.0
57.5°	973.1	503.8	162.4	137.2	141.4	152.9	152.9	139.3	129.9	130.9	132.0
60°	1030.7	532.1	158.2	126.7	129.9	145.6	147.7	135.1	126.7	127.8	126.7
62.5°	1122.9	584.5	149.8	114.2	120.5	136.2	141.4	129.9	122.6	124.7	124.7
65°	1262.2	674.6	132.0	103.7	111.0	127.8	135.1	124.7	116.3	122.6	120.5
67.5°	1486.4	798.2	111.0	95.3	104.7	119.4	127.8	118.4	111.0	120.5	117.3
70°	1687.5	858.9	95.3	88.0	95.3	110.0	119.4	112.1	104.7	114.2	110.0
72.5°	1605.8	673.5	82.8	79.6	86.9	99.5	111.0	103.7	96.4	101.6	97.4
75°	1385.8	536.3	72.3	71.2	77.5	90.1	101.6	96.4	89.0	91.1	89.0
77.5°	1050.6	443.1	61.8	60.8	66.0	80.7	91.1	86.9	79.6	78.6	78.6
80°	469.3	217.9	51.3	51.3	54.5	69.1	77.5	75.4	68.1	67.0	66.0
82.5°	154.0	82.8	41.9	39.8	44.0	57.6	69.1	67.0	59.7	57.6	55.5
85°	61.8	39.8	30.4	30.4	34.6	48.2	61.8	57.6	48.2	42.9	42.9
87.5°	20.9	16.8	15.7	15.7	22.0	32.5	46.1	38.8	34.6	30.4	31.4
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)