

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: P675266

Luminaire Tested: **CCW-SA-1A-740-U-T4W**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675266
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-740-U-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
T4W distribution lens
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2760 lumens
Efficiency: N/A
Efficacy: 153.3 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

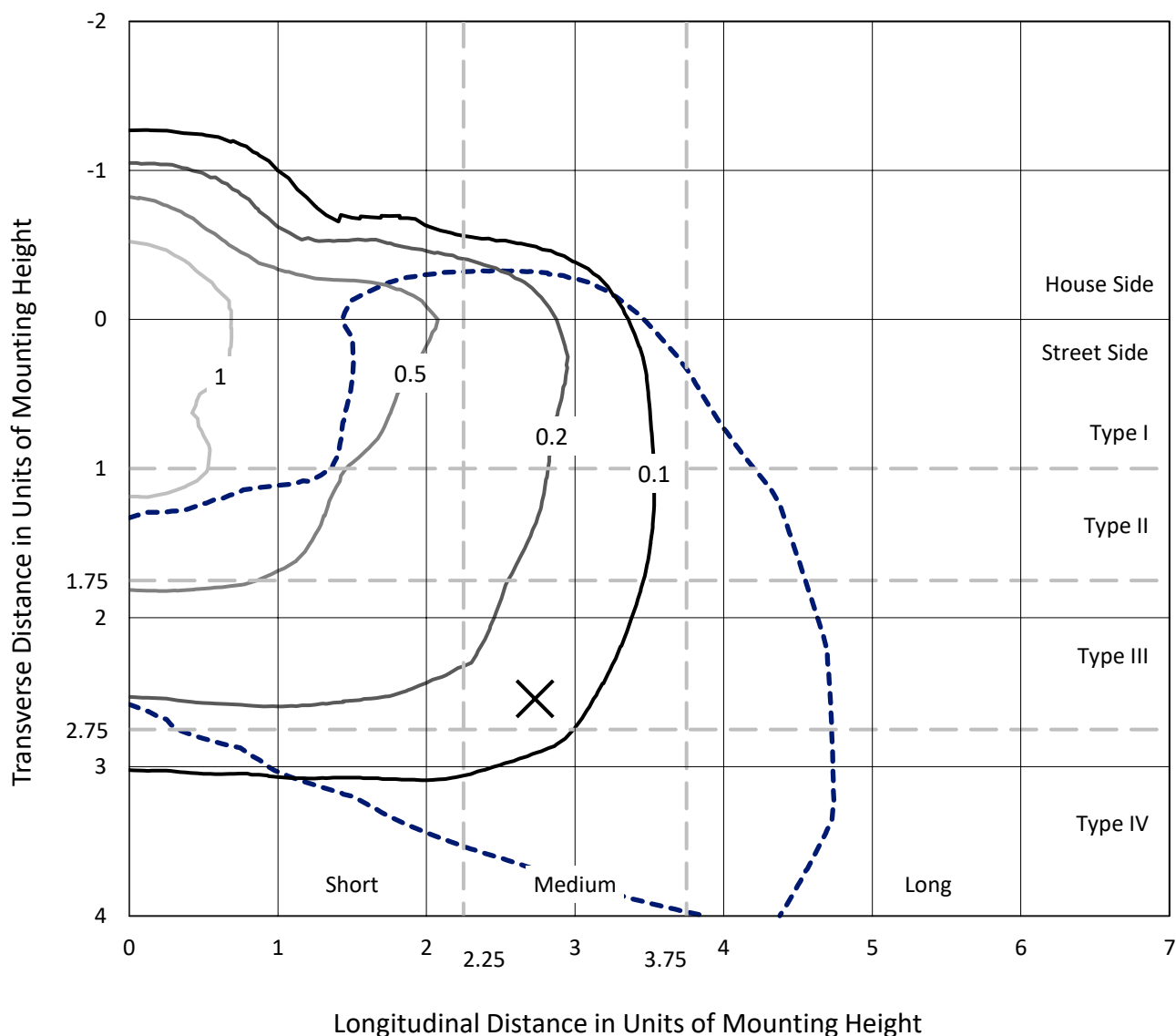
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

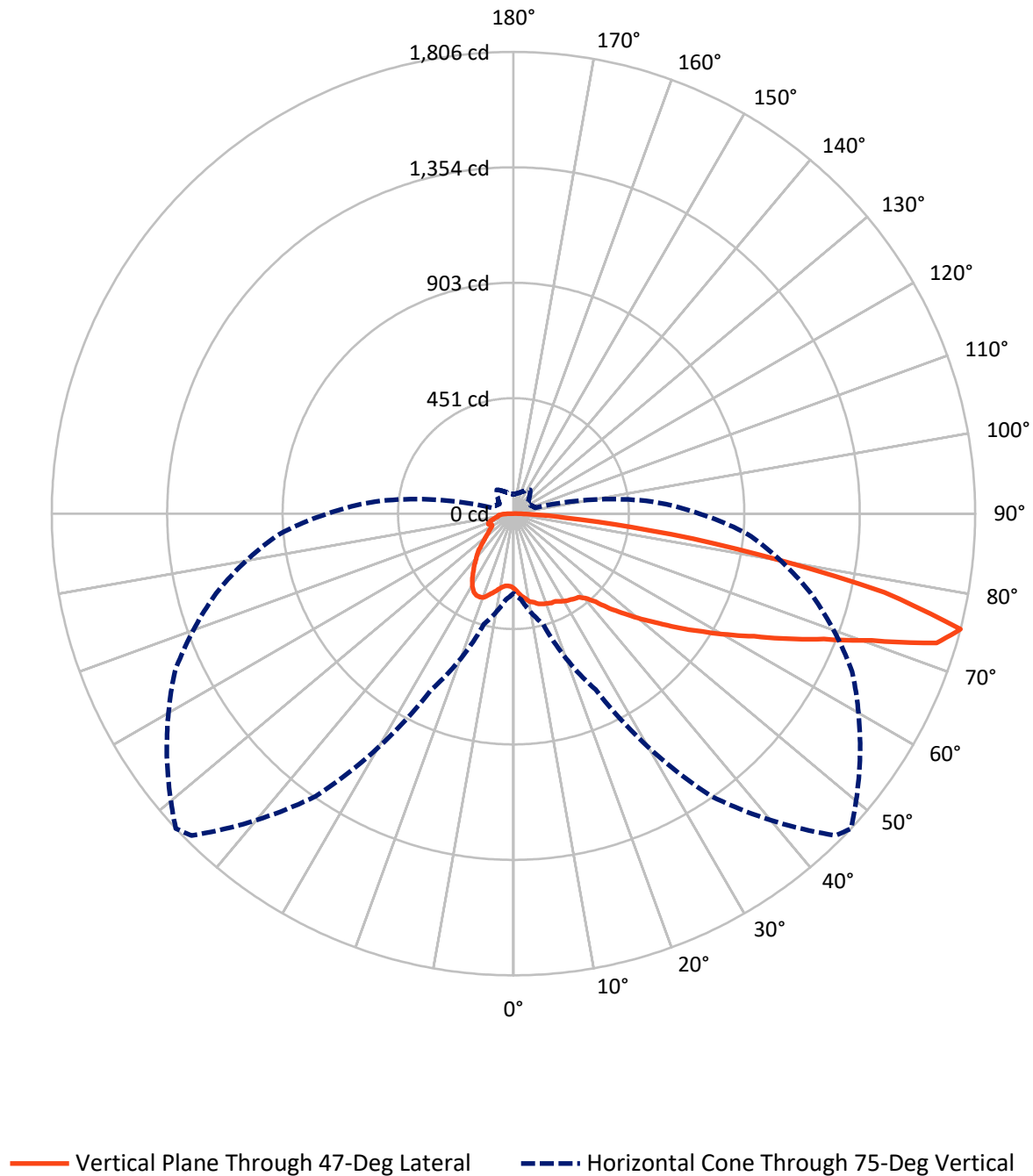
--- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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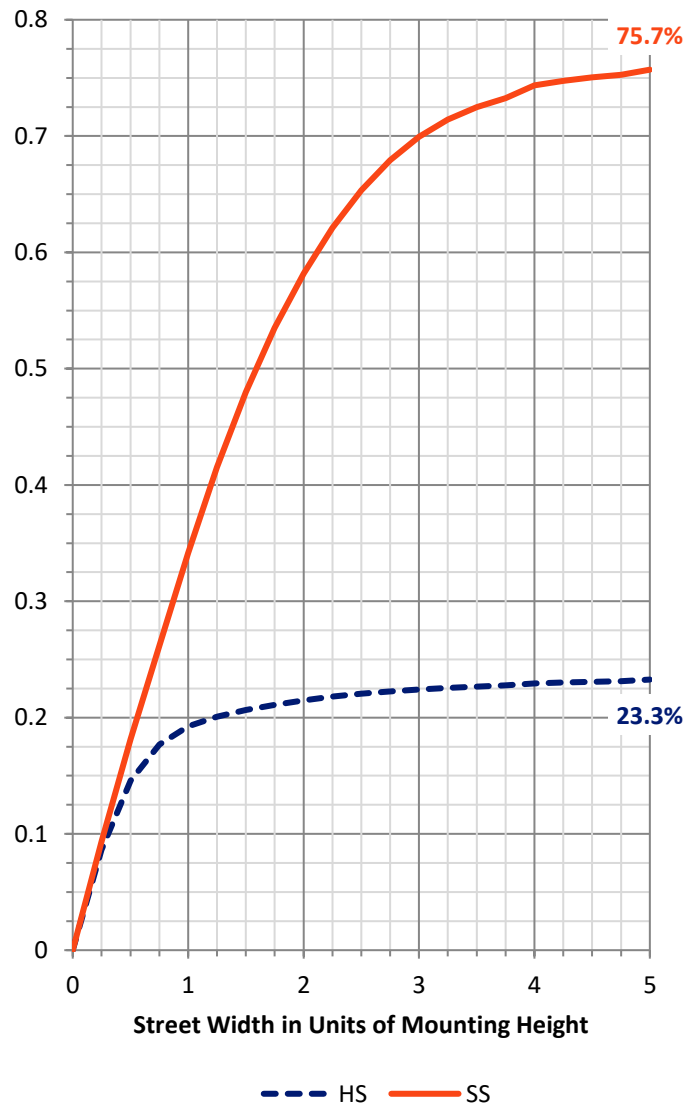
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	660.0	0.0	660.0
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	2099.9	0.0	2099.9
	% Fixture	76.1	0.0	76.1
Total	Lumens	2760.0	0.0	2760.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.6	1.1
10°-20°	98.4	3.6
20°-30°	168.5	6.1
30°-40°	235.8	8.5
40°-50°	328.7	11.9
50°-60°	491.4	17.8
60°-70°	708.4	25.7
70°-80°	603.0	21.8
80°-90°	96.1	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°	2760.0	100.0
0°-180°	2760.0	100.0



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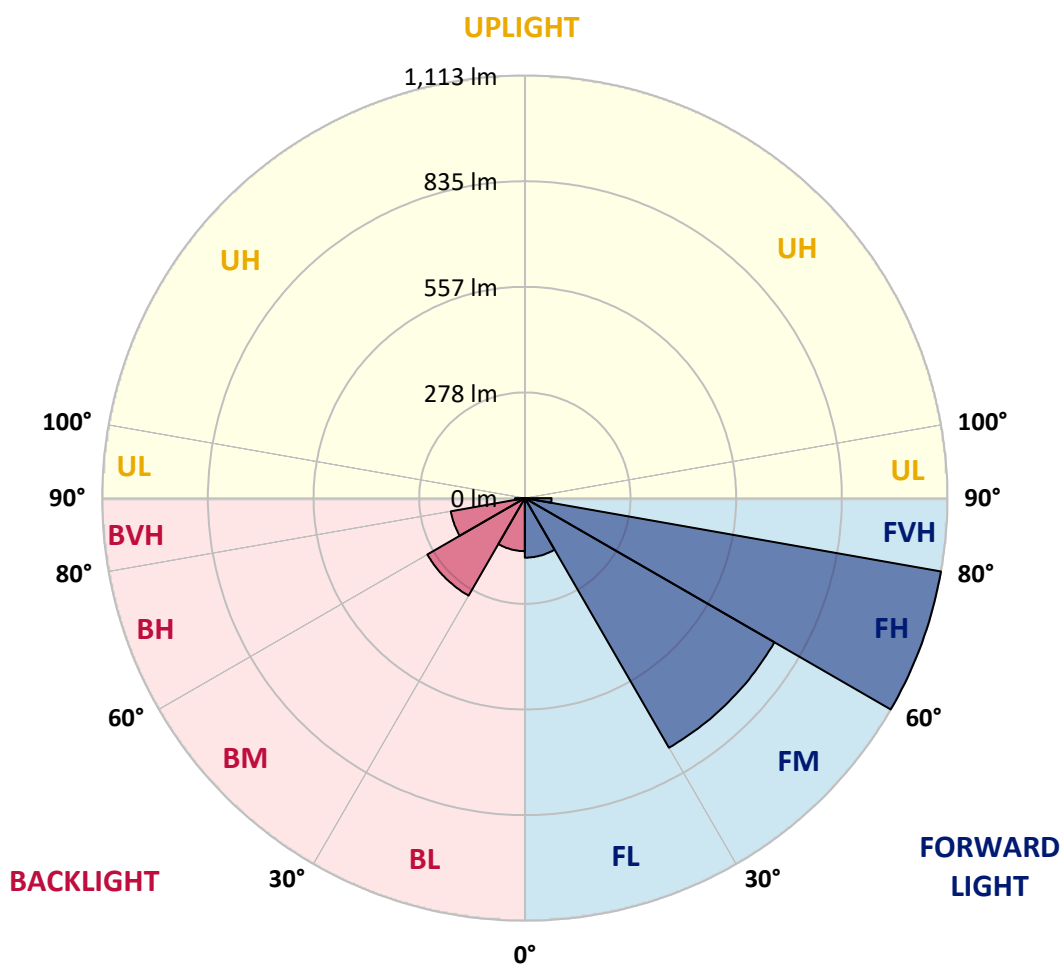
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	156.8	5.7			
FM	(30°-60°)	759.2	27.5			
FH	(60°-80°)	1113.5	40.3			G1/1800
FVH	(80°-90°)	70.4	2.6			G1/100
BL	(0°-30°)	139.7	5.1	B1/500		
BM	(30°-60°)	296.7	10.7	B1/1000		
BH	(60°-80°)	198.0	7.2	B1/500		G1/500
BVH	(80°-90°)	25.7	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°	293.0	293.0	293.0	293.0	293.0	293.0	293.0	293.0	293.0	293.0	293.0
2.5°	314.2	315.2	315.2	313.2	311.2	307.1	307.1	303.1	301.1	296.1	294.1
5°	343.4	340.4	337.4	336.4	331.3	324.3	323.3	319.2	308.2	303.1	296.1
7.5°	364.5	363.5	362.5	358.5	349.4	338.4	335.3	329.3	318.2	308.2	300.1
10°	381.7	385.7	381.7	372.6	363.5	351.5	350.5	339.4	329.3	317.2	307.1
12.5°	400.8	401.8	394.8	383.7	369.6	359.5	355.5	351.5	340.4	330.3	315.2
15°	413.9	411.9	406.8	391.7	375.6	365.6	366.6	361.5	349.4	342.4	326.3
17.5°	413.9	413.9	405.8	394.8	380.7	371.6	371.6	368.6	360.5	350.5	339.4
20°	405.8	405.8	400.8	394.8	378.6	376.6	374.6	372.6	372.6	363.5	347.4
22.5°	395.8	393.8	395.8	385.7	374.6	376.6	379.7	378.6	375.6	367.6	356.5
25°	385.7	386.7	388.7	381.7	371.6	380.7	379.7	384.7	382.7	376.6	367.6
27.5°	384.7	386.7	387.7	380.7	376.6	384.7	388.7	393.8	394.8	388.7	377.6
30°	399.8	398.8	397.8	388.7	385.7	392.7	396.8	403.8	409.9	396.8	387.7
32.5°	439.1	433.0	427.0	402.8	393.8	398.8	402.8	412.9	413.9	406.8	393.8
35°	501.5	497.5	477.3	435.0	409.9	404.8	408.9	415.9	417.9	412.9	402.8
37.5°	573.0	571.0	542.8	491.4	443.1	418.9	414.9	425.0	433.0	422.0	407.9
40°	643.5	635.4	615.3	564.9	485.4	440.1	435.0	440.1	443.1	435.0	426.0
42.5°	706.9	697.9	692.8	642.5	540.8	475.3	471.3	459.2	468.3	458.2	446.1
45°	760.3	758.3	756.3	713.0	604.2	532.7	529.7	498.5	508.6	500.5	483.4
47.5°	798.6	807.6	804.6	780.5	676.7	594.2	585.1	544.8	559.9	551.9	534.7
50°	843.9	848.9	845.9	829.8	744.2	664.6	647.5	606.2	623.4	622.4	613.3
52.5°	884.2	899.3	882.2	881.2	840.9	741.2	712.0	672.7	700.9	712.0	711.0
55°	931.5	943.6	938.6	936.5	927.5	815.7	789.5	742.2	789.5	805.6	819.7
57.5°	971.8	970.8	989.9	1013.1	1024.2	901.3	870.1	814.7	886.2	904.3	943.6
60°	989.9	1007.0	1039.3	1097.7	1128.9	992.9	960.7	916.4	983.9	998.0	1070.5
62.5°	1002.0	1017.1	1079.5	1178.2	1196.4	1086.6	1056.4	1012.1	1090.6	1100.7	1208.4
65°	968.8	982.9	1106.7	1208.4	1272.9	1187.3	1180.3	1133.9	1197.4	1203.4	1353.5
67.5°	930.5	945.6	1083.6	1246.7	1374.6	1321.2	1310.2	1254.8	1303.1	1296.1	1464.2
70°	863.0	883.2	1024.2	1279.9	1487.4	1508.5	1486.4	1407.8	1412.9	1346.4	1469.3
72.5°	657.6	670.7	801.6	1148.0	1539.8	1768.4	1730.1	1573.0	1515.6	1356.5	1297.1
75°	312.2	336.4	447.1	759.3	1349.4	1780.4	1805.6	1654.6	1461.2	1203.4	919.4
77.5°	90.6	90.6	136.0	322.3	845.9	1435.0	1482.4	1404.8	1205.4	891.2	483.4
80°	49.3	52.4	71.5	113.8	371.6	905.3	973.8	931.5	710.0	352.5	124.9
82.5°	28.2	29.2	47.3	68.5	169.2	492.4	532.7	483.4	269.9	106.7	58.4
85°	16.1	17.1	27.2	45.3	100.7	181.3	197.4	171.2	108.8	71.5	29.2
87.5°	8.1	8.1	13.1	21.1	51.4	51.4	50.4	61.4	65.5	43.3	13.1
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°	293.0	293.0	293.0	293.0	293.0	293.0	293.0	293.0	293.0	293.0	293.0
2.5°	293.0	292.0	292.0	288.0	287.0	284.0	284.0	282.0	281.0	284.0	284.0
5°	294.1	289.0	288.0	284.0	285.0	283.0	287.0	285.0	284.0	284.0	283.0
7.5°	296.1	291.0	287.0	284.0	283.0	286.0	291.0	291.0	297.1	294.1	294.1
10°	301.1	298.1	293.0	291.0	291.0	294.1	300.1	304.1	309.2	309.2	306.1
12.5°	313.2	308.2	302.1	299.1	303.1	306.1	312.2	316.2	322.3	324.3	322.3
15°	322.3	317.2	315.2	313.2	316.2	320.2	325.3	329.3	336.4	338.4	337.4
17.5°	334.3	328.3	327.3	328.3	330.3	333.3	336.4	339.4	344.4	344.4	344.4
20°	340.4	338.4	337.4	340.4	344.4	348.4	346.4	344.4	343.4	345.4	344.4
22.5°	351.5	349.4	350.5	353.5	353.5	351.5	348.4	341.4	339.4	341.4	339.4
25°	361.5	359.5	359.5	357.5	356.5	349.4	343.4	337.4	330.3	333.3	332.3
27.5°	371.6	370.6	370.6	362.5	352.5	340.4	332.3	325.3	321.2	326.3	323.3
30°	383.7	384.7	379.7	360.5	336.4	323.3	314.2	313.2	312.2	315.2	314.2
32.5°	394.8	395.8	387.7	357.5	324.3	299.1	290.0	291.0	296.1	301.1	306.1
35°	400.8	405.8	395.8	347.4	300.1	271.9	261.8	270.9	280.0	287.0	292.0
37.5°	411.9	425.0	407.9	336.4	279.0	247.7	240.7	243.7	254.8	265.9	270.9
40°	428.0	443.1	410.9	315.2	250.8	223.6	219.5	220.5	224.6	231.6	236.7
42.5°	456.2	472.3	413.9	288.0	222.6	208.5	197.4	194.4	191.3	191.3	190.3
45°	497.5	512.6	409.9	253.8	194.4	184.3	176.2	169.2	161.1	148.0	150.0
47.5°	557.9	570.0	412.9	223.6	168.2	160.1	154.1	146.0	133.9	119.8	118.8
50°	649.5	631.4	408.9	192.3	149.0	142.0	137.0	125.9	111.8	101.7	100.7
52.5°	756.3	720.0	404.8	166.2	132.9	126.9	122.9	110.8	97.7	92.6	91.6
55°	885.2	832.8	410.9	143.0	120.8	115.8	111.8	100.7	90.6	86.6	85.6
57.5°	1037.3	954.7	444.1	124.9	107.8	105.7	104.7	95.7	86.6	83.6	82.6
60°	1180.3	1071.5	466.3	111.8	95.7	97.7	99.7	95.7	85.6	83.6	83.6
62.5°	1300.1	1168.2	431.0	100.7	89.6	95.7	104.7	101.7	97.7	99.7	97.7
65°	1405.8	1201.4	322.3	94.7	86.6	100.7	115.8	114.8	105.7	107.8	106.7
67.5°	1424.0	1161.1	210.5	89.6	84.6	110.8	129.9	117.8	99.7	99.7	96.7
70°	1348.4	1053.4	141.0	84.6	83.6	110.8	132.9	110.8	93.7	93.7	89.6
72.5°	1106.7	841.9	108.8	79.6	76.5	98.7	125.9	104.7	87.6	85.6	78.5
75°	727.1	542.8	88.6	75.5	66.5	86.6	113.8	96.7	83.6	77.5	74.5
77.5°	356.5	243.7	74.5	66.5	57.4	75.5	103.7	91.6	78.5	72.5	70.5
80°	97.7	87.6	62.4	58.4	48.3	65.5	97.7	87.6	73.5	67.5	64.5
82.5°	55.4	54.4	50.4	47.3	40.3	65.5	98.7	87.6	69.5	68.5	58.4
85°	30.2	32.2	36.3	35.2	31.2	58.4	93.7	76.5	56.4	47.3	47.3
87.5°	12.1	15.1	18.1	20.1	21.1	43.3	70.5	58.4	43.3	36.3	36.3
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)