

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: P671059

Luminaire Tested: **CCP-SA-1B-722-U-T4W**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671059
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-722-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T4W
distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2566.4 lumens
Efficiency: N/A
Efficacy: 106.9 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): 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

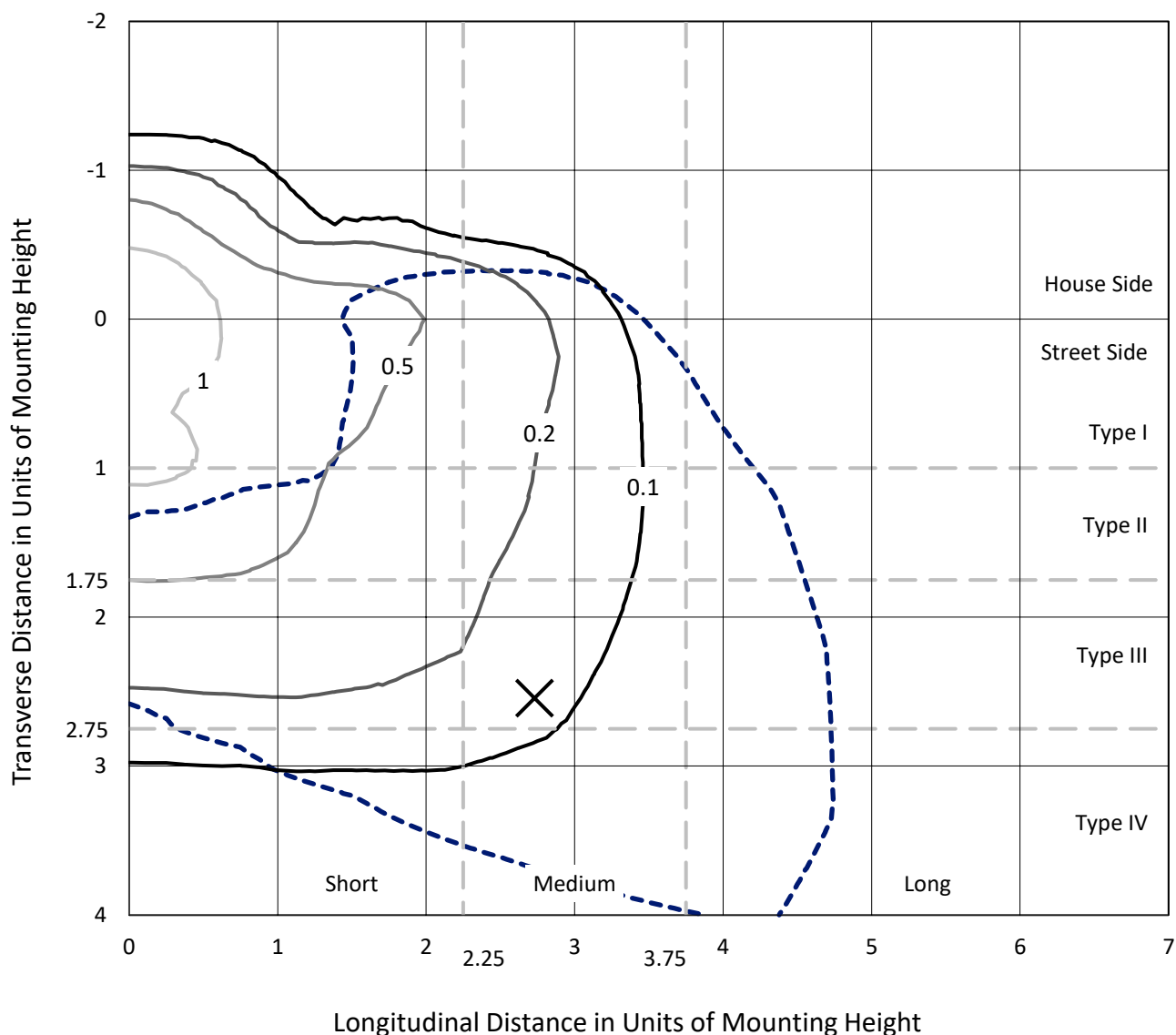
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

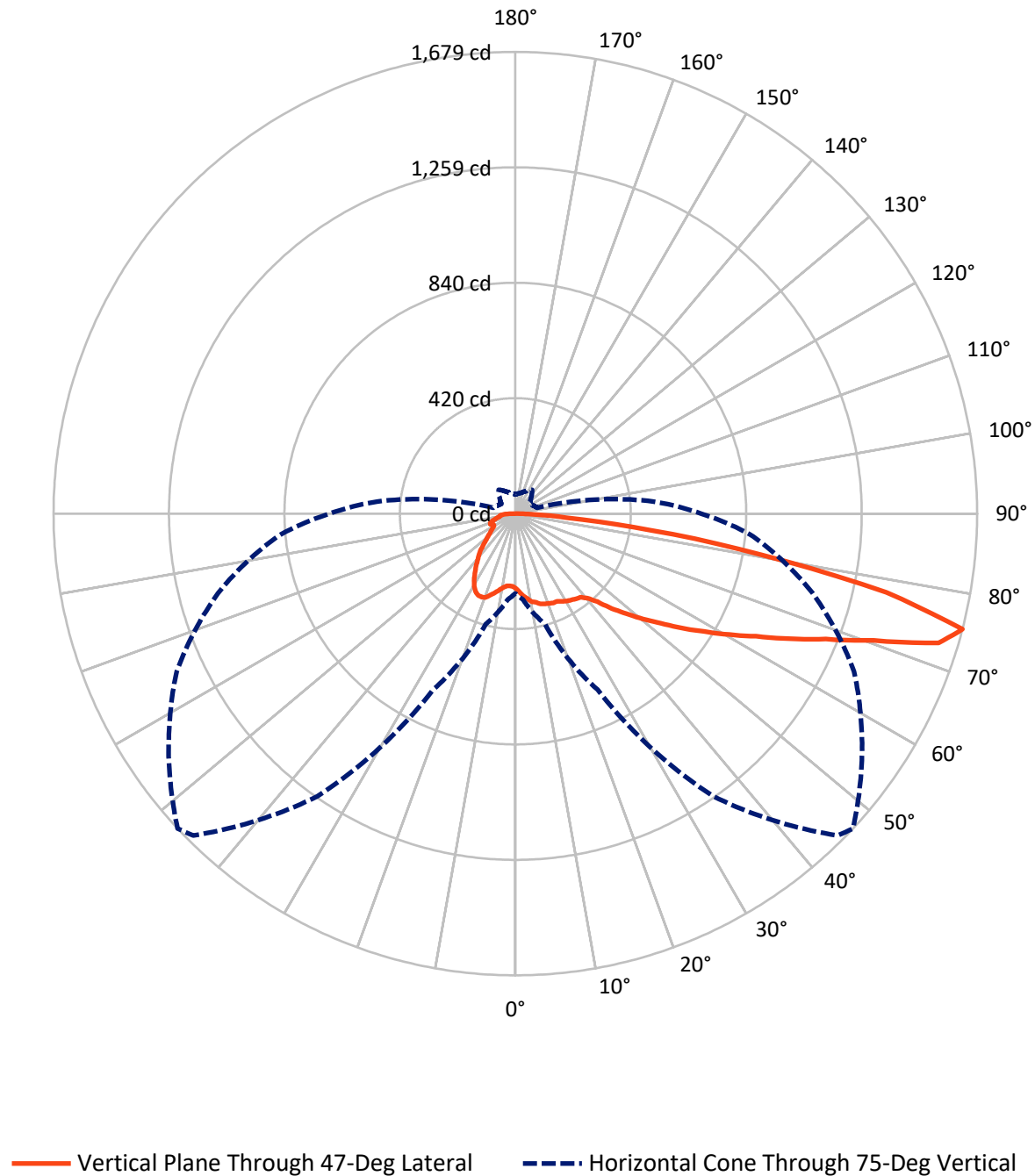


Based on 15 foot mounting height. Maximum calculated value = 1.5 fc

Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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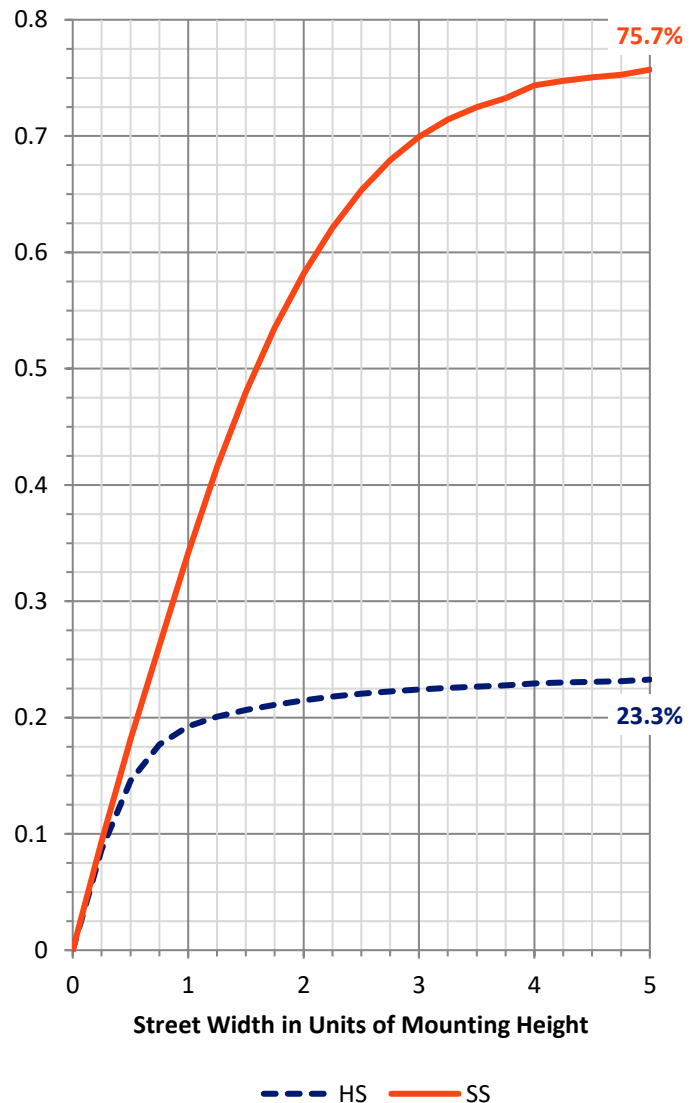
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	613.7	0.0	613.7
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	1952.6	0.0	1952.6
	% Fixture	76.1	0.0	76.1
Total	Lumens	2566.4	0.0	2566.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.5	1.1
10°-20°	91.5	3.6
20°-30°	156.7	6.1
30°-40°	219.2	8.5
40°-50°	305.7	11.9
50°-60°	456.9	17.8
60°-70°	658.8	25.7
70°-80°	560.7	21.8
80°-90°	89.3	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°	2566.4	100.0
0°-180°	2566.4	100.0



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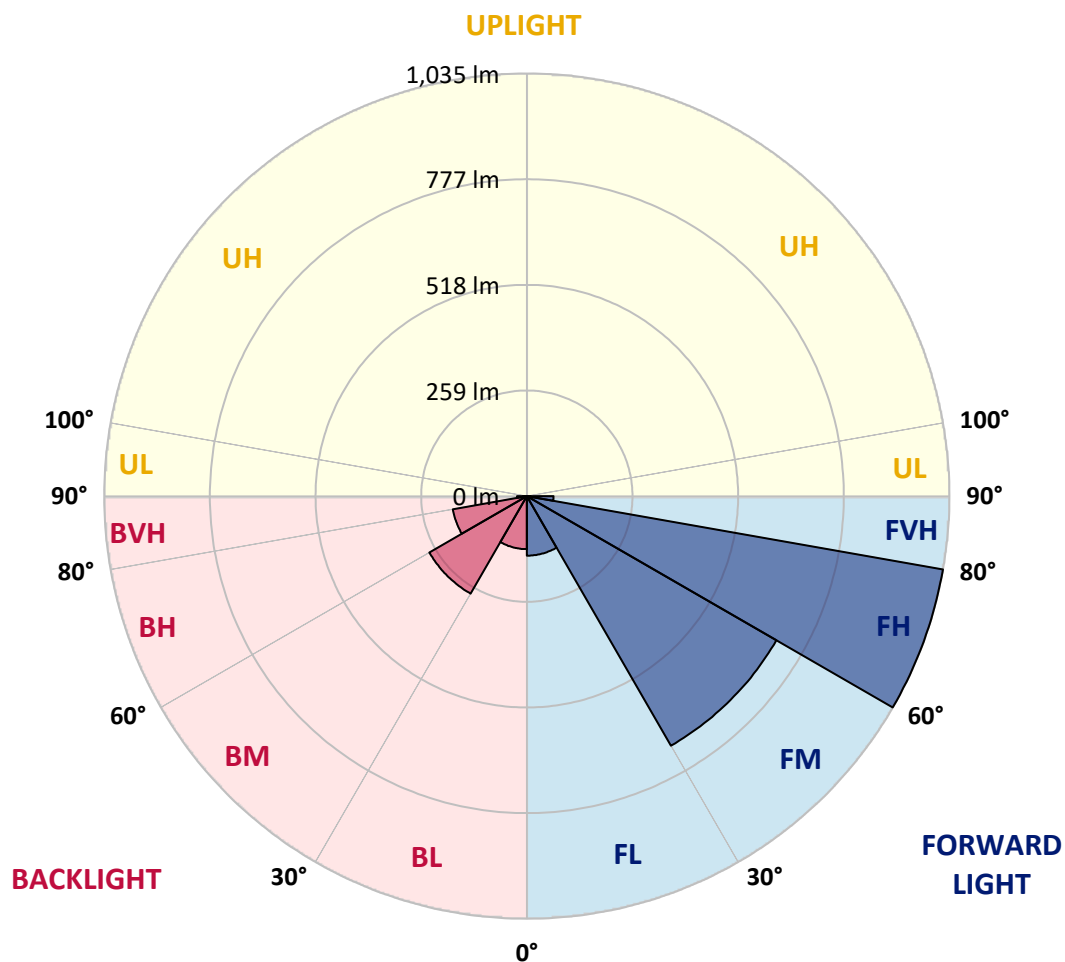
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	145.8	5.7			
FM	(30°-60°)	706.0	27.5			
FH	(60°-80°)	1035.4	40.3			G1/1800
FVH	(80°-90°)	65.5	2.6			G1/100
BL	(0°-30°)	129.9	5.1	B1/500		
BM	(30°-60°)	275.8	10.7	B1/1000		
BH	(60°-80°)	184.1	7.2	B1/500		G1/500
BVH	(80°-90°)	23.9	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°	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5
2.5°	292.2	293.1	293.1	291.2	289.3	285.6	285.6	281.9	280.0	275.3	273.4
5°	319.3	316.5	313.7	312.8	308.1	301.5	300.6	296.8	286.5	281.9	275.3
7.5°	339.0	338.0	337.1	333.4	324.9	314.6	311.8	306.2	295.9	286.5	279.0
10°	354.9	358.6	354.9	346.5	338.0	326.8	325.9	315.6	306.2	295.0	285.6
12.5°	372.7	373.6	367.1	356.8	343.7	334.3	330.6	326.8	316.5	307.1	293.1
15°	384.9	383.0	378.3	364.3	349.3	339.9	340.9	336.2	324.9	318.4	303.4
17.5°	384.9	384.9	377.4	367.1	354.0	345.5	345.5	342.7	335.2	325.9	315.6
20°	377.4	377.4	372.7	367.1	352.1	350.2	348.3	346.5	346.5	338.0	323.1
22.5°	368.0	366.1	368.0	358.6	348.3	350.2	353.0	352.1	349.3	341.8	331.5
25°	358.6	359.6	361.5	354.9	345.5	354.0	353.0	357.7	355.8	350.2	341.8
27.5°	357.7	359.6	360.5	354.0	350.2	357.7	361.5	366.1	367.1	361.5	351.2
30°	371.8	370.8	369.9	361.5	358.6	365.2	368.9	375.5	381.1	368.9	360.5
32.5°	408.3	402.7	397.0	374.6	366.1	370.8	374.6	383.9	384.9	378.3	366.1
35°	466.3	462.6	443.9	404.5	381.1	376.4	380.2	386.7	388.6	383.9	374.6
37.5°	532.8	530.9	504.7	457.0	412.0	389.5	385.8	395.2	402.7	392.4	379.2
40°	598.4	590.9	572.1	525.3	451.3	409.2	404.5	409.2	412.0	404.5	396.1
42.5°	657.4	648.9	644.2	597.4	502.9	442.0	438.2	427.0	435.4	426.1	414.8
45°	707.0	705.1	703.2	663.0	561.8	495.4	492.5	463.5	472.9	465.4	449.5
47.5°	742.6	751.0	748.2	725.7	629.3	552.5	544.1	506.6	520.6	513.2	497.2
50°	784.7	789.4	786.6	771.6	692.0	618.0	602.1	563.7	579.6	578.7	570.3
52.5°	822.2	836.2	820.3	819.4	781.9	689.2	662.0	625.5	651.7	662.0	661.1
55°	866.2	877.4	872.7	870.9	862.4	758.5	734.1	690.1	734.1	749.1	762.2
57.5°	903.6	902.7	920.5	942.0	952.3	838.1	809.1	757.6	824.0	840.9	877.4
60°	920.5	936.4	966.4	1020.7	1049.7	923.3	893.3	852.1	914.9	928.0	995.4
62.5°	931.7	945.8	1003.8	1095.6	1112.5	1010.4	982.3	941.1	1014.1	1023.5	1123.7
65°	900.8	913.9	1029.1	1123.7	1183.6	1104.0	1097.5	1054.4	1113.4	1119.0	1258.5
67.5°	865.2	879.3	1007.6	1159.3	1278.2	1228.6	1218.3	1166.8	1211.7	1205.2	1361.5
70°	802.5	821.2	952.3	1190.2	1383.1	1402.7	1382.1	1309.1	1313.8	1252.0	1366.2
72.5°	611.5	623.6	745.4	1067.5	1431.8	1644.3	1608.7	1462.7	1409.3	1261.3	1206.1
75°	290.3	312.8	415.8	706.1	1254.8	1655.6	1679.0	1538.5	1358.7	1119.0	854.9
77.5°	84.3	84.3	126.4	299.7	786.6	1334.4	1378.4	1306.3	1120.9	828.7	449.5
80°	45.9	48.7	66.5	105.8	345.5	841.8	905.5	866.2	660.2	327.7	116.1
82.5°	26.2	27.2	44.0	63.7	157.3	457.9	495.4	449.5	251.0	99.3	54.3
85°	15.0	15.9	25.3	42.1	93.6	168.6	183.5	159.2	101.1	66.5	27.2
87.5°	7.5	7.5	12.2	19.7	47.8	47.8	46.8	57.1	60.9	40.3	12.2
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°	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5	272.5
2.5°	272.5	271.6	271.6	267.8	266.9	264.1	264.1	262.2	261.3	264.1	264.1
5°	273.4	268.7	267.8	264.1	265.0	263.1	266.9	265.0	264.1	264.1	263.1
7.5°	275.3	270.6	266.9	264.1	263.1	265.9	270.6	270.6	276.2	273.4	273.4
10°	280.0	277.2	272.5	270.6	270.6	273.4	279.0	282.8	287.5	287.5	284.7
12.5°	291.2	286.5	280.9	278.1	281.9	284.7	290.3	294.0	299.7	301.5	299.7
15°	299.7	295.0	293.1	291.2	294.0	297.8	302.5	306.2	312.8	314.6	313.7
17.5°	310.9	305.3	304.3	305.3	307.1	310.0	312.8	315.6	320.3	320.3	320.3
20°	316.5	314.6	313.7	316.5	320.3	324.0	322.1	320.3	319.3	321.2	320.3
22.5°	326.8	324.9	325.9	328.7	328.7	326.8	324.0	317.4	315.6	317.4	315.6
25°	336.2	334.3	334.3	332.4	331.5	324.9	319.3	313.7	307.1	310.0	309.0
27.5°	345.5	344.6	344.6	337.1	327.7	316.5	309.0	302.5	298.7	303.4	300.6
30°	356.8	357.7	353.0	335.2	312.8	300.6	292.2	291.2	290.3	293.1	292.2
32.5°	367.1	368.0	360.5	332.4	301.5	278.1	269.7	270.6	275.3	280.0	284.7
35°	372.7	377.4	368.0	323.1	279.0	252.8	243.5	251.9	260.3	266.9	271.6
37.5°	383.0	395.2	379.2	312.8	259.4	230.4	223.8	226.6	236.9	247.2	251.9
40°	398.0	412.0	382.1	293.1	233.2	207.9	204.1	205.1	208.8	215.4	220.1
42.5°	424.2	439.2	384.9	267.8	206.9	193.8	183.5	180.7	177.9	177.9	177.0
45°	462.6	476.6	381.1	236.0	180.7	171.4	163.9	157.3	149.8	137.7	139.5
47.5°	518.8	530.0	383.9	207.9	156.4	148.9	143.3	135.8	124.5	111.4	110.5
50°	604.0	587.1	380.2	178.9	138.6	132.0	127.4	117.1	103.9	94.6	93.6
52.5°	703.2	669.5	376.4	154.5	123.6	118.0	114.2	103.0	90.8	86.1	85.2
55°	823.1	774.4	382.1	133.0	112.4	107.7	103.9	93.6	84.3	80.5	79.6
57.5°	964.5	887.7	413.0	116.1	100.2	98.3	97.4	89.0	80.5	77.7	76.8
60°	1097.5	996.3	433.6	103.9	89.0	90.8	92.7	89.0	79.6	77.7	77.7
62.5°	1208.9	1086.2	400.8	93.6	83.3	89.0	97.4	94.6	90.8	92.7	90.8
65°	1307.2	1117.1	299.7	88.0	80.5	93.6	107.7	106.8	98.3	100.2	99.3
67.5°	1324.1	1079.7	195.7	83.3	78.7	103.0	120.8	109.6	92.7	92.7	89.9
70°	1253.8	979.5	131.1	78.7	77.7	103.0	123.6	103.0	87.1	87.1	83.3
72.5°	1029.1	782.8	101.1	74.0	71.2	91.8	117.1	97.4	81.5	79.6	73.0
75°	676.1	504.7	82.4	70.2	61.8	80.5	105.8	89.9	77.7	72.1	69.3
77.5°	331.5	226.6	69.3	61.8	53.4	70.2	96.4	85.2	73.0	67.4	65.5
80°	90.8	81.5	58.1	54.3	44.9	60.9	90.8	81.5	68.4	62.7	59.9
82.5°	51.5	50.6	46.8	44.0	37.5	60.9	91.8	81.5	64.6	63.7	54.3
85°	28.1	30.0	33.7	32.8	29.0	54.3	87.1	71.2	52.4	44.0	44.0
87.5°	11.2	14.0	16.9	18.7	19.7	40.3	65.5	54.3	40.3	33.7	33.7
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)