

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: P674857

Luminaire Tested: **CCW-SA-1B-760-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674857
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-760-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T2 distribution lens
Light Source: (16) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3523.8 lumens
Efficiency: N/A
Efficacy: 146.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

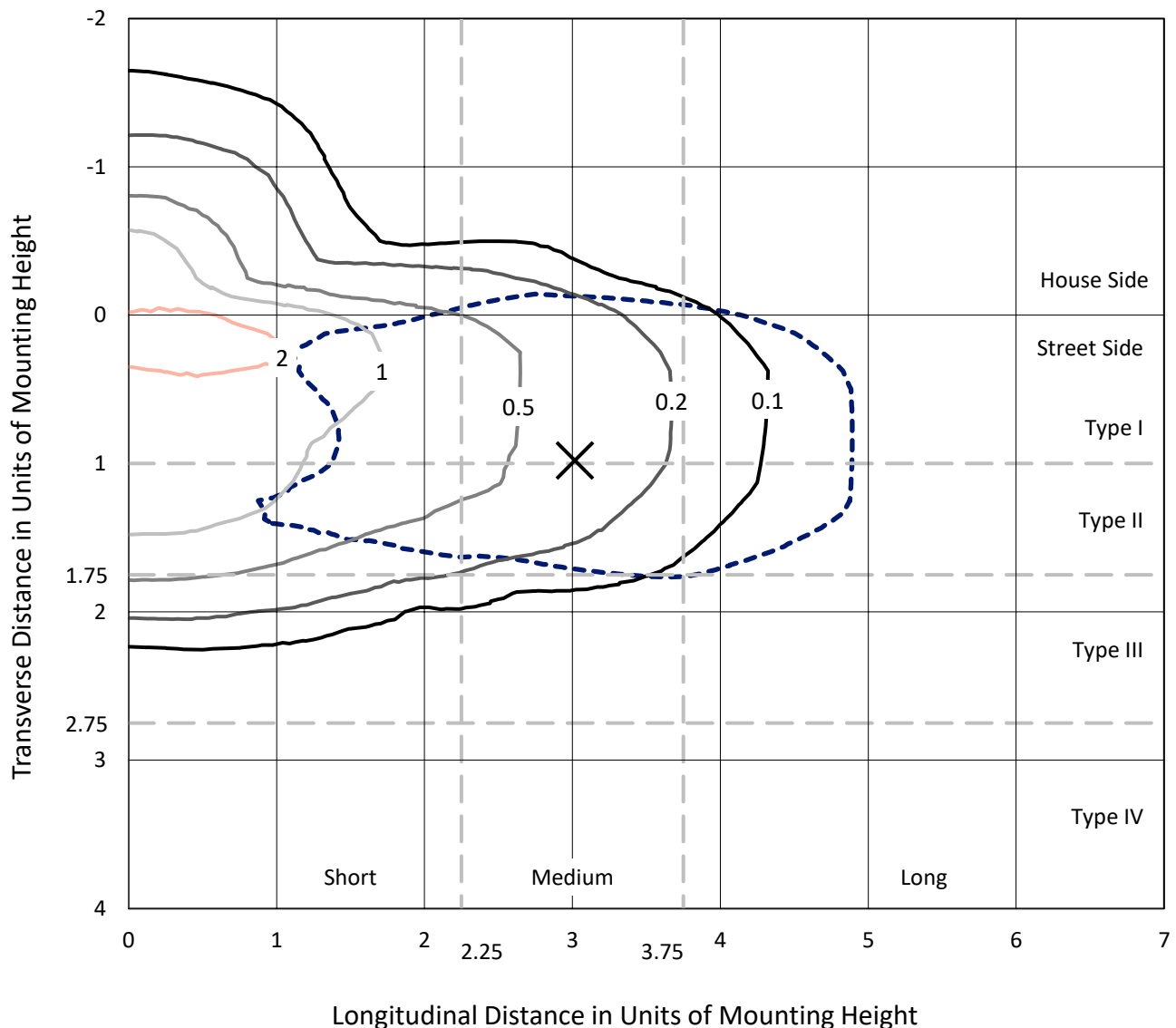
Input Watts (W): 24
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

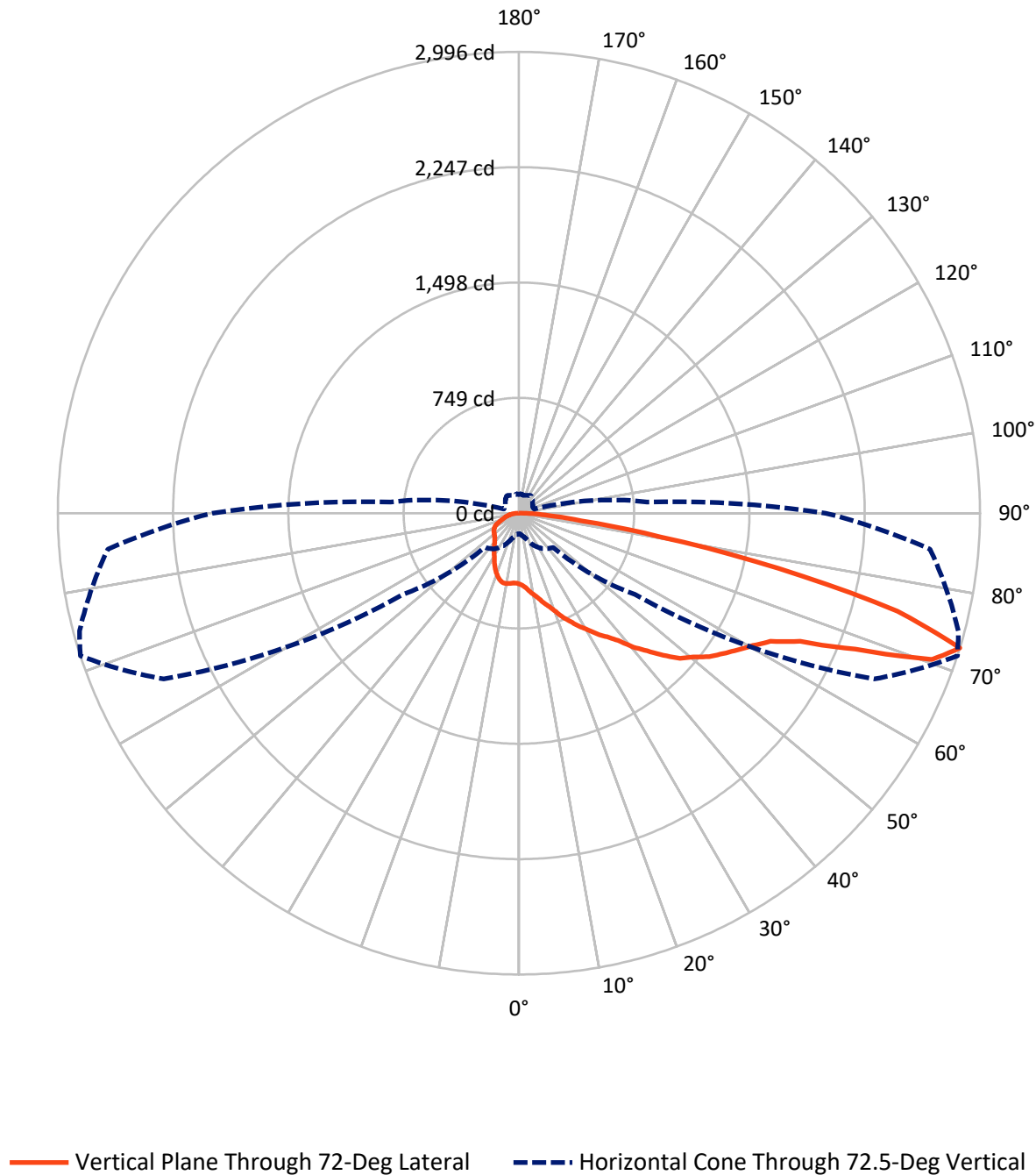


Based on 15 foot mounting height. Maximum calculated value = 2.6 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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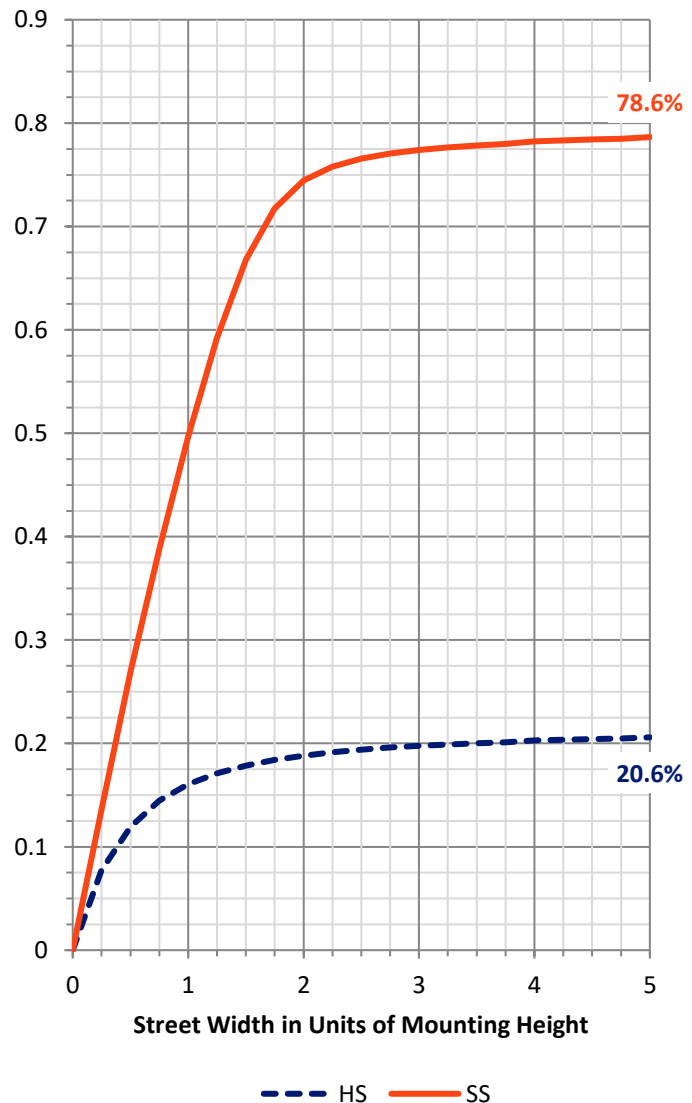
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	741.6	0.0	741.6
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	2782.2	0.0	2782.2
	% Fixture	79.0	0.0	79.0
Total	Lumens	3523.8	0.0	3523.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.5	1.3
10°-20°	141.4	4.0
20°-30°	244.7	6.9
30°-40°	361.5	10.3
40°-50°	537.5	15.3
50°-60°	736.9	20.9
60°-70°	799.3	22.7
70°-80°	563.5	16.0
80°-90°	93.6	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°	3523.8	100.0
0°-180°	3523.8	100.0

Coefficient of Utilization



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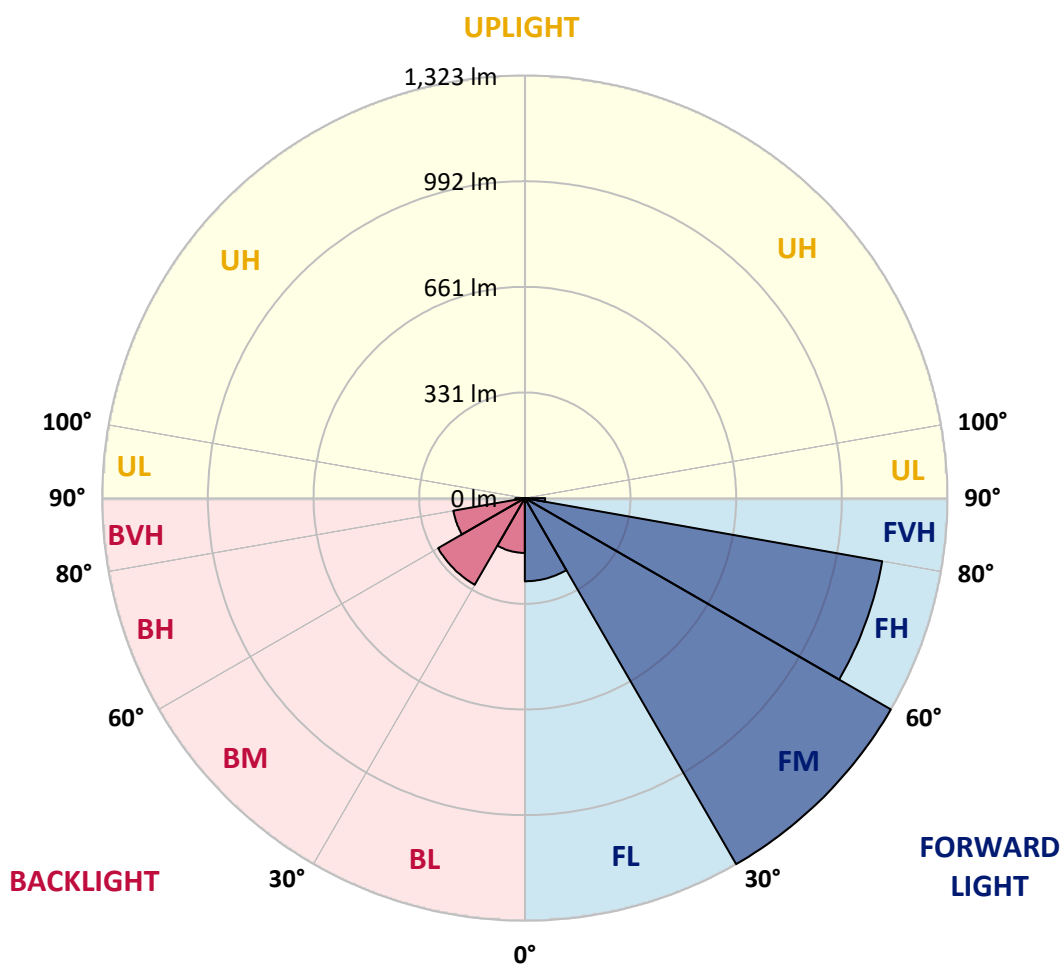
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	260.2	7.4			
FM	(30°-60°)	1322.6	37.5			
FH	(60°-80°)	1135.6	32.2			G1/1800
FVH	(80°-90°)	63.8	1.8			G1/100
BL	(0°-30°)	171.4	4.9	B1/500		
BM	(30°-60°)	313.2	8.9	B1/1000		
BH	(60°-80°)	227.1	6.4	B1/500		G1/500
BVH	(80°-90°)	29.8	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°	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3
2.5°	496.7	496.7	492.8	491.5	491.5	481.1	482.4	475.9	470.7	470.7	465.5
5°	522.7	520.1	520.1	520.1	513.6	509.7	508.4	496.7	487.6	488.9	473.3
7.5°	529.2	530.5	531.8	538.3	534.4	537.0	534.4	521.4	514.9	508.4	494.1
10°	533.1	535.7	535.7	544.8	544.8	551.3	555.2	550.0	538.3	531.8	508.4
12.5°	542.2	538.3	543.5	550.0	556.5	568.2	579.9	574.7	566.9	559.1	533.1
15°	542.2	543.5	547.4	557.8	568.2	579.9	600.8	608.6	604.7	590.3	563.0
17.5°	526.6	522.7	540.9	560.4	579.9	594.3	621.6	639.8	637.2	632.0	590.3
20°	527.9	531.8	538.3	555.2	586.4	612.5	646.3	676.2	682.7	680.1	626.8
22.5°	551.3	552.6	559.1	566.9	591.6	625.5	676.2	724.3	736.0	729.5	667.1
25°	574.7	585.1	585.1	590.3	599.5	634.6	695.7	763.3	780.2	781.5	708.7
27.5°	612.5	615.1	622.9	625.5	633.3	654.1	717.8	791.9	830.9	825.7	746.4
30°	656.7	658.0	663.2	660.6	661.9	687.9	738.6	824.4	877.7	879.0	786.7
32.5°	708.7	719.1	721.7	704.8	707.4	713.9	771.1	863.4	936.2	927.1	821.8
35°	785.4	789.3	781.5	773.7	754.2	750.3	804.9	902.4	986.9	997.4	873.8
37.5°	880.3	890.7	880.3	838.7	817.9	802.3	846.5	945.3	1048.1	1083.2	925.8
40°	968.7	967.4	957.0	919.3	882.9	871.2	906.3	1005.2	1143.0	1176.8	1001.3
42.5°	1040.3	1036.4	1029.9	1001.3	967.4	947.9	975.2	1067.6	1222.3	1287.3	1088.4
45°	1102.7	1097.5	1098.8	1066.3	1033.8	1044.2	1044.2	1139.1	1315.9	1396.6	1188.5
47.5°	1161.2	1163.8	1159.9	1135.2	1110.5	1137.8	1123.5	1221.0	1408.3	1498.0	1273.0
50°	1228.8	1234.0	1221.0	1205.4	1183.3	1210.6	1192.4	1297.7	1468.1	1590.3	1374.4
52.5°	1292.5	1297.7	1309.4	1289.9	1267.8	1289.9	1248.3	1369.2	1547.4	1680.0	1452.5
55°	1308.1	1305.5	1370.5	1391.4	1403.1	1336.7	1297.7	1430.4	1609.8	1737.2	1540.9
57.5°	1236.6	1243.1	1331.5	1391.4	1516.2	1459.0	1353.6	1501.9	1674.8	1812.7	1622.8
60°	1058.5	1062.4	1172.9	1314.6	1496.7	1573.4	1504.5	1594.2	1746.3	1876.4	1715.1
62.5°	707.4	737.3	875.1	1097.5	1358.8	1604.6	1745.0	1750.2	1833.5	1957.0	1841.3
65°	373.2	387.5	495.4	674.9	1029.9	1496.7	1971.3	2059.7	2007.7	2105.2	2023.3
67.5°	244.5	249.7	308.2	409.6	594.3	1092.3	1997.3	2596.8	2357.5	2387.4	2314.6
70°	182.0	184.6	227.6	303.0	368.0	583.8	1637.1	2847.7	2846.4	2767.1	2660.5
72.5°	133.9	137.8	167.7	231.5	283.5	314.7	920.6	2547.3	2996.0	2955.6	2681.3
75°	105.3	107.9	123.5	179.4	228.9	206.8	466.8	1886.8	2540.8	2734.6	2453.7
77.5°	85.8	88.4	97.5	130.0	183.3	159.9	223.7	1217.1	1722.9	1968.7	1877.7
80°	71.5	71.5	78.0	92.3	141.7	120.9	132.6	684.0	928.4	1024.7	851.7
82.5°	61.1	59.8	65.0	67.6	105.3	87.1	85.8	309.5	408.3	433.0	319.9
85°	39.0	40.3	61.1	58.5	68.9	59.8	48.1	146.9	192.4	196.3	119.6
87.5°	15.6	15.6	26.0	32.5	39.0	36.4	23.4	66.3	84.5	84.5	33.8
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°	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3	460.3
2.5°	464.2	459.0	455.1	452.5	446.0	439.5	440.8	439.5	434.3	431.7	431.7
5°	469.4	464.2	457.7	447.3	440.8	433.0	435.6	430.4	425.2	429.1	422.6
7.5°	482.4	473.3	464.2	448.6	438.2	426.5	421.3	418.7	414.8	412.2	412.2
10°	500.6	487.6	470.7	447.3	430.4	412.2	409.6	404.4	400.5	400.5	399.2
12.5°	518.8	504.5	475.9	438.2	409.6	396.6	395.3	396.6	399.2	400.5	401.8
15°	542.2	518.8	474.6	421.3	392.7	387.5	394.0	399.2	404.4	409.6	408.3
17.5°	564.3	537.0	462.9	400.5	378.4	379.7	391.4	401.8	412.2	417.4	418.7
20°	594.3	553.9	446.0	375.8	364.1	375.8	391.4	404.4	416.1	422.6	423.9
22.5°	628.1	573.4	423.9	353.7	352.4	364.1	379.7	399.2	412.2	423.9	422.6
25°	658.0	586.4	395.3	335.5	338.1	345.9	364.1	384.9	397.9	410.9	407.0
27.5°	677.5	589.0	365.4	322.5	322.5	330.3	347.2	360.2	371.9	382.3	383.6
30°	699.6	583.8	331.6	305.6	305.6	316.0	322.5	330.3	336.8	339.4	342.0
32.5°	725.6	572.1	310.8	292.6	292.6	300.4	304.3	301.7	300.4	293.9	297.8
35°	750.3	555.2	287.4	275.7	280.9	284.8	283.5	275.7	267.9	256.2	252.3
37.5°	780.2	538.3	266.6	257.5	266.6	267.9	267.9	258.8	248.4	234.1	234.1
40°	825.7	525.3	249.7	245.8	254.9	253.6	247.1	240.6	244.5	236.7	236.7
42.5°	873.8	520.1	234.1	235.4	239.3	240.6	234.1	226.3	241.9	232.8	234.1
45°	933.6	524.0	223.7	222.4	231.5	230.2	226.3	219.8	225.0	201.6	195.0
47.5°	989.6	531.8	218.5	213.3	223.7	226.3	221.1	206.8	199.0	184.6	182.0
50°	1040.3	548.7	213.3	202.9	213.3	218.5	209.4	193.7	184.6	175.5	175.5
52.5°	1088.4	573.4	210.7	191.1	200.3	206.8	201.6	185.9	175.5	171.6	167.7
55°	1137.8	595.6	206.8	183.3	185.9	199.0	197.6	176.8	166.4	166.4	165.1
57.5°	1208.0	625.5	201.6	170.3	175.5	189.8	189.8	172.9	161.2	162.5	163.8
60°	1279.5	660.6	196.3	157.3	161.2	180.7	183.3	167.7	157.3	158.6	157.3
62.5°	1394.0	725.6	185.9	141.7	149.5	169.0	175.5	161.2	152.1	154.7	154.7
65°	1566.9	837.4	163.8	128.7	137.8	158.6	167.7	154.7	144.3	152.1	149.5
67.5°	1845.2	990.9	137.8	118.3	130.0	148.2	158.6	146.9	137.8	149.5	145.6
70°	2094.8	1066.3	118.3	109.2	118.3	136.5	148.2	139.1	130.0	141.7	136.5
72.5°	1993.4	836.1	102.7	98.8	107.9	123.5	137.8	128.7	119.6	126.1	120.9
75°	1720.3	665.8	89.7	88.4	96.2	111.8	126.1	119.6	110.5	113.1	110.5
77.5°	1304.2	550.0	76.7	75.4	81.9	100.1	113.1	107.9	98.8	97.5	97.5
80°	582.5	270.5	63.7	63.7	67.6	85.8	96.2	93.6	84.5	83.2	81.9
82.5°	191.1	102.7	52.0	49.4	54.6	71.5	85.8	83.2	74.1	71.5	68.9
85°	76.7	49.4	37.7	37.7	42.9	59.8	76.7	71.5	59.8	53.3	53.3
87.5°	26.0	20.8	19.5	19.5	27.3	40.3	57.2	48.1	42.9	37.7	39.0
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)