

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: P675390

Luminaire Tested: **CCW-SA-1C-730-U-SL2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675390
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-730-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SL2 distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

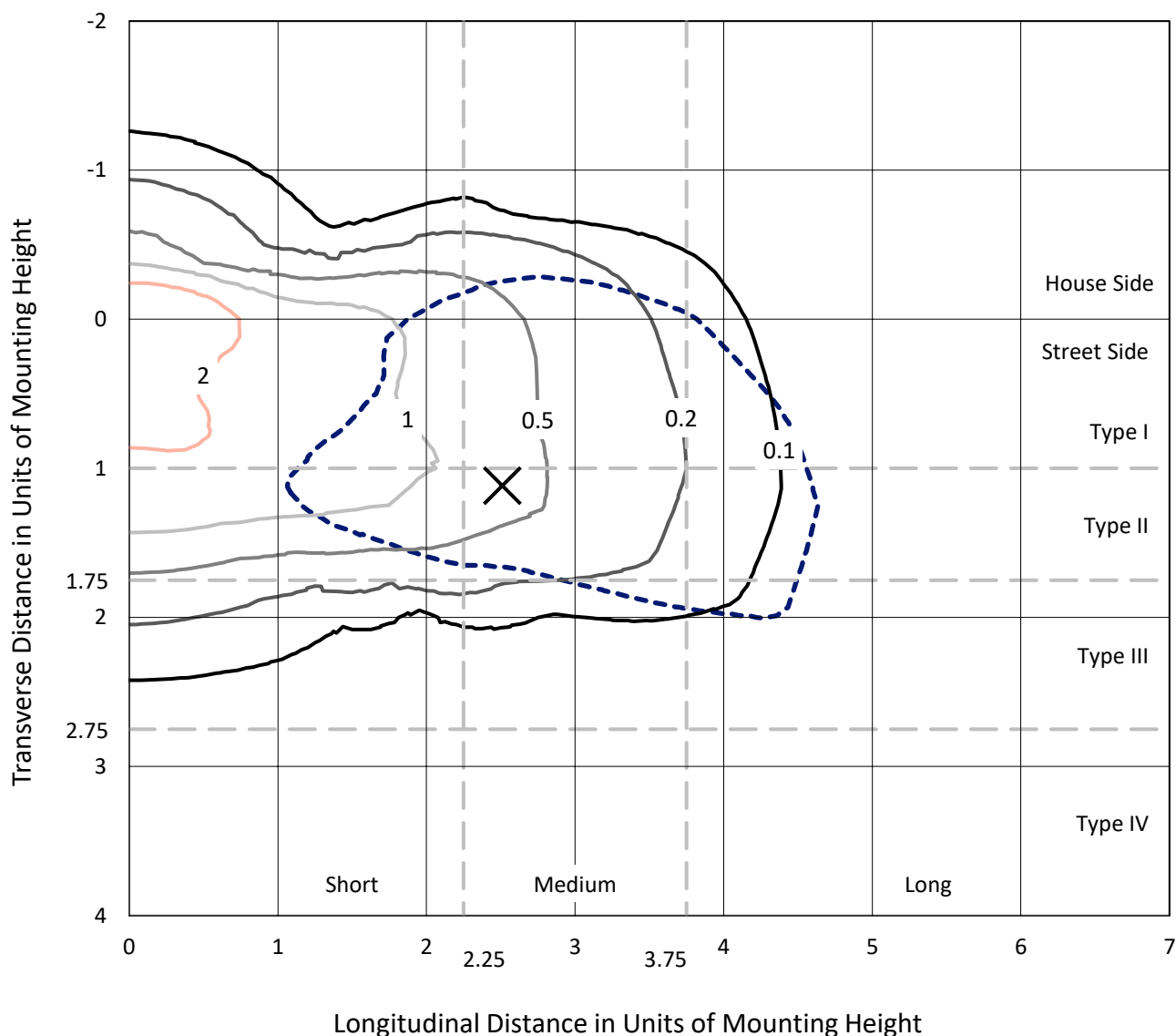
Lumens per Lamp: N/A
Luminaire Lumens: 4074.6 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 32
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

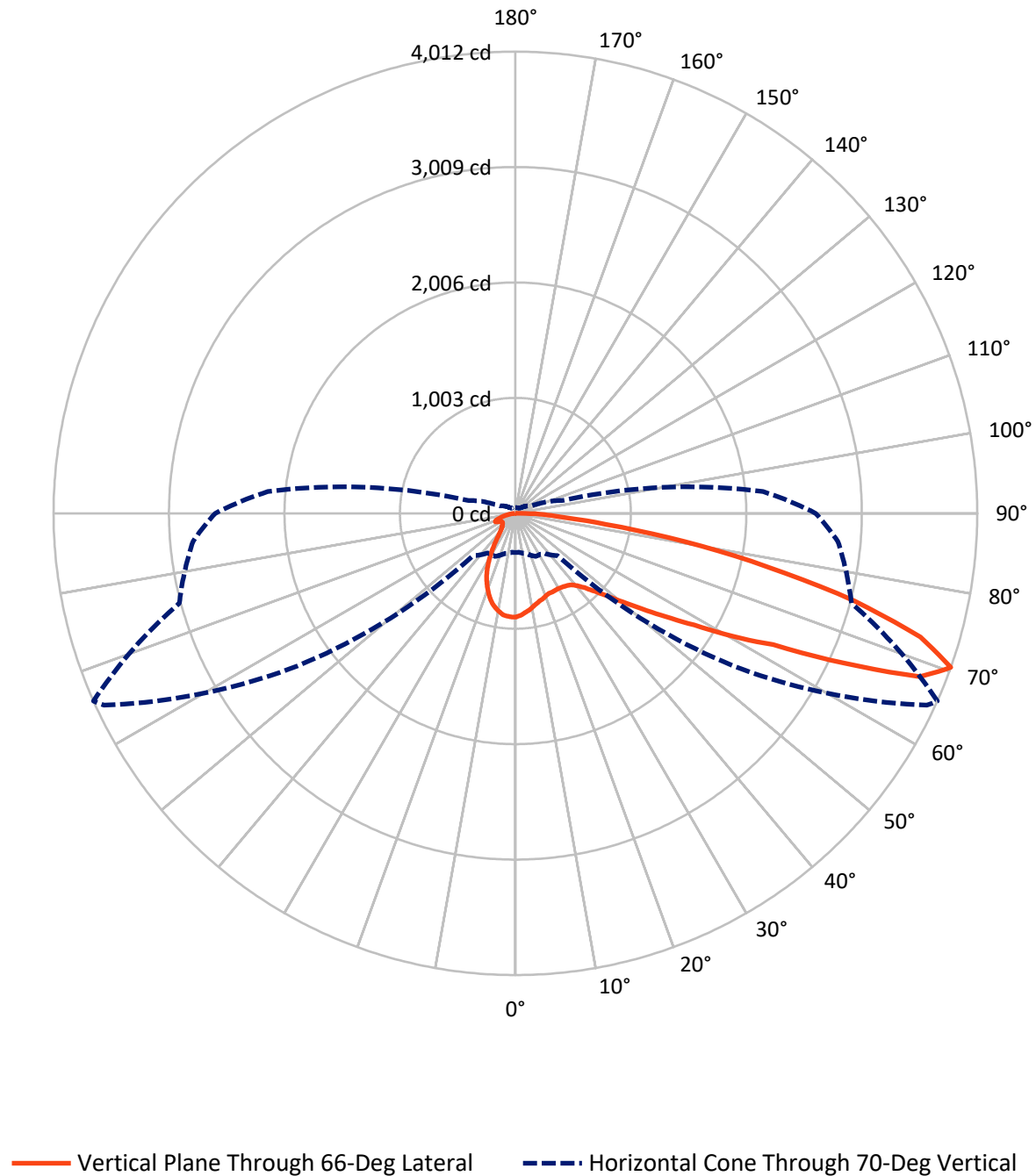
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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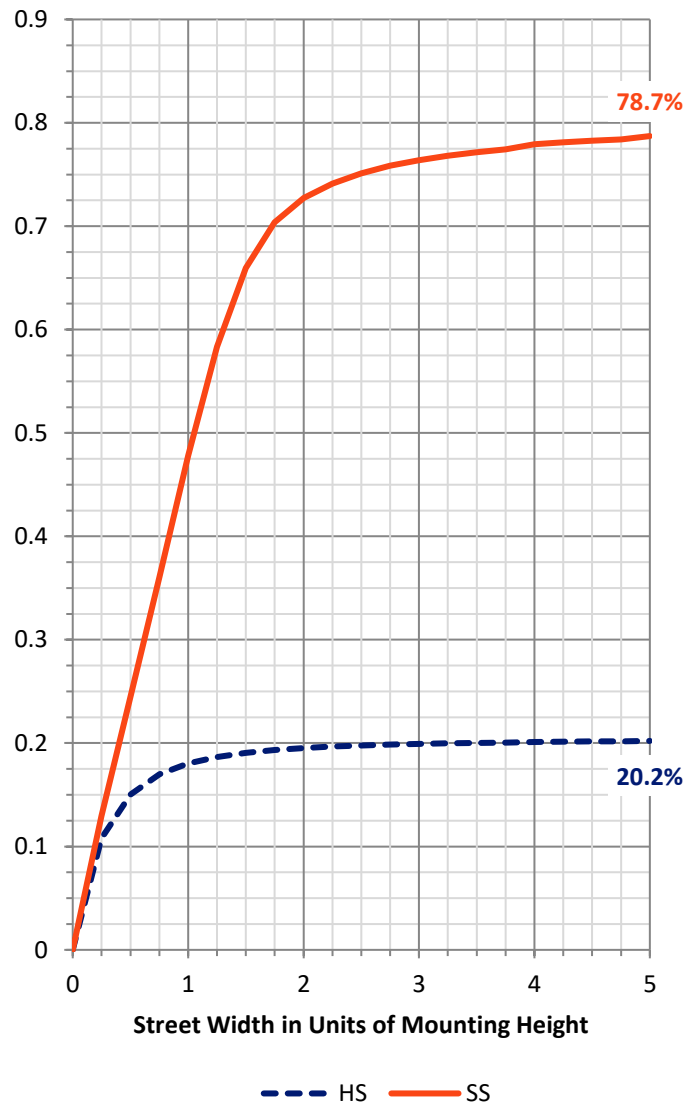
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	834.0	0.0	834.0
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	3240.6	0.0	3240.6
	% Fixture	79.5	0.0	79.5
Total	Lumens	4074.6	0.0	4074.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.6	2.0
10°-20°	195.9	4.8
20°-30°	269.1	6.6
30°-40°	360.8	8.9
40°-50°	523.5	12.8
50°-60°	795.7	19.5
60°-70°	982.8	24.1
70°-80°	730.8	17.9
80°-90°	136.3	3.3
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°	4074.6	100.0
0°-180°	4074.6	100.0

Coefficient of Utilization



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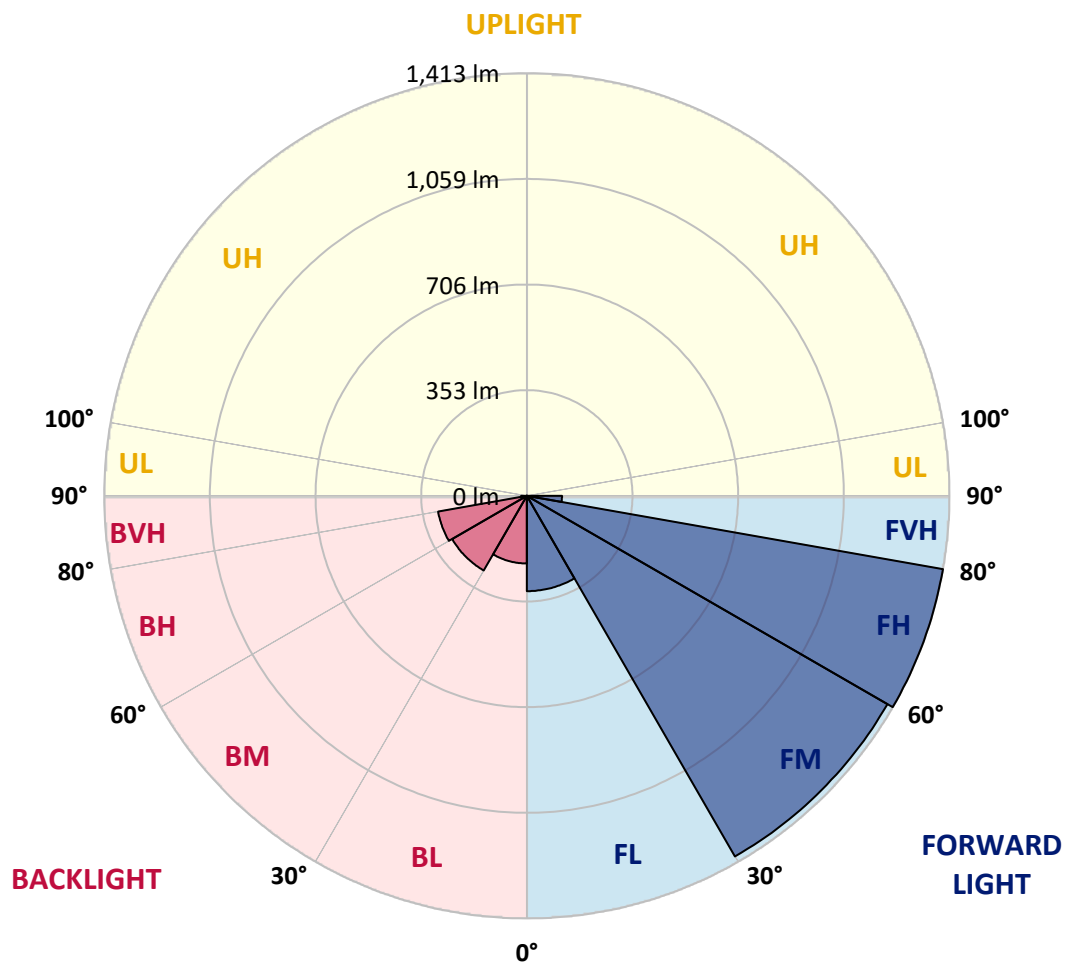
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	318.6	7.8			
FM	(30°-60°)	1392.0	34.2			
FH	(60°-80°)	1412.5	34.7			G1/1800
FVH	(80°-90°)	117.5	2.9			G2/225
BL	(0°-30°)	226.0	5.5	B1/500		
BM	(30°-60°)	288.1	7.1	B1/1000		
BH	(60°-80°)	301.1	7.4	B1/500		G1/500
BVH	(80°-90°)	18.8	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	900.2	900.2	900.2	900.2	900.2	900.2	900.2	900.2	900.2	900.2	900.2
2.5°	856.3	860.8	862.3	865.4	872.9	879.0	888.1	892.6	888.1	894.1	894.1
5°	797.2	791.1	806.2	812.3	821.4	833.5	854.7	871.4	866.9	885.1	900.2
7.5°	747.1	747.1	751.7	765.3	775.9	794.1	816.9	842.6	850.2	874.4	897.2
10°	701.7	707.7	707.7	729.0	735.0	756.2	794.1	825.9	827.5	868.4	900.2
12.5°	677.4	674.4	689.6	695.6	713.8	735.0	765.3	804.7	806.2	850.2	894.1
15°	657.7	660.8	668.3	683.5	700.2	716.8	745.6	782.0	789.6	841.1	891.1
17.5°	659.2	660.8	660.8	671.4	685.0	704.7	732.0	774.4	779.0	829.0	886.6
20°	668.3	662.3	666.8	671.4	680.5	698.6	721.4	757.8	762.3	827.5	897.2
22.5°	688.0	683.5	682.0	680.5	678.9	689.6	718.3	748.7	753.2	819.9	901.7
25°	719.9	718.3	707.7	697.1	689.6	689.6	712.3	756.2	754.7	819.9	904.8
27.5°	757.8	757.8	756.2	736.5	713.8	701.7	716.8	753.2	751.7	819.9	912.3
30°	809.3	809.3	804.7	786.5	745.6	710.8	719.9	750.2	754.7	813.8	906.3
32.5°	865.4	863.8	868.4	851.7	809.3	753.2	738.0	756.2	760.8	819.9	907.8
35°	906.3	915.4	930.5	915.4	872.9	797.2	763.8	768.4	771.4	821.4	913.8
37.5°	953.3	963.9	985.1	997.2	951.7	863.8	804.7	788.1	788.1	841.1	915.4
40°	1021.4	1010.8	1047.2	1068.4	1050.2	945.7	868.4	824.4	825.9	866.9	935.1
42.5°	1071.5	1082.1	1120.0	1157.8	1135.1	1045.7	938.1	883.5	883.5	904.8	965.4
45°	1127.5	1139.7	1192.7	1238.2	1254.8	1165.4	1033.6	968.4	965.4	979.0	1019.9
47.5°	1189.7	1206.3	1267.0	1320.0	1364.0	1289.7	1156.3	1071.5	1069.9	1080.6	1110.9
50°	1260.9	1267.0	1317.0	1414.0	1501.9	1454.9	1306.4	1216.9	1209.4	1213.9	1254.8
52.5°	1282.1	1277.6	1335.2	1439.7	1600.4	1656.4	1511.0	1382.1	1379.1	1368.5	1421.5
55°	1204.8	1220.0	1276.1	1409.4	1680.7	1894.4	1735.2	1607.9	1580.7	1551.9	1615.5
57.5°	1050.2	1051.8	1115.4	1273.0	1618.6	2091.4	2115.6	1829.2	1830.7	1753.4	1826.2
60°	816.9	812.3	862.3	1004.8	1441.2	2152.0	2530.9	2182.3	2167.2	1955.0	2021.7
62.5°	589.5	580.4	591.0	674.4	1077.5	2059.6	2938.6	2577.9	2514.2	2161.1	2212.6
65°	485.0	489.5	494.1	498.6	604.7	1698.9	3064.3	3223.5	3138.6	2402.1	2423.3
67.5°	401.6	404.6	424.3	451.6	448.6	1003.3	2918.9	3820.6	3788.8	2700.6	2605.1
70°	341.0	339.5	362.2	412.2	419.8	521.3	2311.1	3943.3	4011.5	3021.9	2811.3
72.5°	272.8	275.8	295.5	362.2	412.2	439.5	1330.6	3679.6	3678.1	3268.9	2700.6
75°	195.5	195.5	222.8	300.1	398.6	434.9	736.5	2987.1	3043.1	3071.9	2343.0
77.5°	128.8	134.9	156.1	224.3	374.3	425.9	466.8	2171.7	2241.4	2297.5	1792.8
80°	87.9	90.9	104.6	156.1	316.7	428.9	381.9	1460.9	1488.2	1268.5	727.4
82.5°	53.0	54.6	69.7	109.1	227.3	407.7	359.2	806.2	789.6	383.4	209.1
85°	28.8	30.3	43.9	72.7	150.0	356.1	353.1	395.5	368.3	140.9	87.9
87.5°	10.6	10.6	19.7	36.4	86.4	244.0	307.6	234.9	219.7	71.2	40.9
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°	900.2	900.2	900.2	900.2	900.2	900.2	900.2	900.2	900.2	900.2	900.2
2.5°	901.7	901.7	901.7	901.7	900.2	894.1	898.7	897.2	888.1	889.6	883.5
5°	898.7	906.3	901.7	895.7	888.1	869.9	863.8	859.3	847.2	842.6	847.2
7.5°	906.3	900.2	897.2	886.6	856.3	839.6	818.4	792.6	774.4	769.9	774.4
10°	904.8	904.8	891.1	860.8	832.0	783.5	756.2	710.8	685.0	677.4	678.9
12.5°	898.7	903.2	882.0	833.5	779.0	719.9	669.9	621.4	575.9	557.7	554.7
15°	904.8	900.2	862.3	800.2	724.4	642.6	569.8	498.6	456.2	428.9	422.8
17.5°	895.7	891.1	836.6	754.7	653.2	548.6	457.7	380.4	338.0	327.3	327.3
20°	906.3	877.5	806.2	700.2	578.9	445.6	342.5	284.9	274.3	274.3	277.3
22.5°	904.8	874.4	780.5	647.1	489.5	336.4	254.6	237.9	239.4	251.6	250.1
25°	895.7	868.4	744.1	588.0	395.5	253.1	210.7	206.1	216.7	230.4	228.8
27.5°	894.1	851.7	710.8	518.3	301.6	200.0	183.4	183.4	194.0	206.1	204.6
30°	885.1	838.1	669.9	439.5	227.3	174.3	168.2	168.2	172.8	178.8	178.8
32.5°	883.5	819.9	624.4	357.7	181.9	157.6	154.6	156.1	156.1	159.1	157.6
35°	871.4	795.6	577.4	277.3	157.6	148.5	145.5	144.0	144.0	142.5	142.5
37.5°	866.9	780.5	528.9	215.2	147.0	140.9	137.9	133.4	131.8	131.8	130.3
40°	871.4	765.3	481.9	174.3	137.9	134.9	130.3	124.3	122.8	122.8	122.8
42.5°	888.1	763.8	433.4	151.6	133.4	128.8	122.8	116.7	115.2	116.7	115.2
45°	926.0	775.9	386.5	140.9	127.3	122.8	115.2	110.6	109.1	110.6	110.6
47.5°	988.1	809.3	344.0	134.9	122.8	116.7	109.1	104.6	104.6	104.6	104.6
50°	1091.2	872.9	303.1	130.3	119.7	112.1	104.6	98.5	97.0	97.0	98.5
52.5°	1245.7	982.0	269.8	127.3	115.2	106.1	98.5	94.0	90.9	89.4	90.9
55°	1432.1	1141.2	259.2	124.3	109.1	101.5	94.0	87.9	84.9	84.9	83.4
57.5°	1632.2	1317.0	277.3	121.2	104.6	95.5	87.9	81.8	78.8	77.3	77.3
60°	1848.9	1524.6	344.0	119.7	100.0	89.4	81.8	77.3	72.7	71.2	71.2
62.5°	2045.9	1712.5	463.7	118.2	97.0	83.4	75.8	69.7	66.7	65.2	65.2
65°	2270.2	1921.7	580.4	124.3	95.5	78.8	69.7	63.7	60.6	59.1	59.1
67.5°	2465.7	2103.5	648.6	139.4	100.0	72.7	62.1	57.6	56.1	54.6	54.6
70°	2608.2	2159.6	434.9	153.1	107.6	68.2	56.1	53.0	50.0	50.0	50.0
72.5°	2417.2	1927.7	257.6	144.0	101.5	63.7	50.0	47.0	45.5	45.5	43.9
75°	2067.1	1641.3	198.5	116.7	81.8	54.6	43.9	40.9	39.4	39.4	37.9
77.5°	1526.1	1176.0	147.0	92.4	63.7	43.9	37.9	36.4	34.9	33.3	33.3
80°	597.1	515.3	100.0	68.2	47.0	34.9	31.8	30.3	28.8	27.3	27.3
82.5°	184.9	156.1	57.6	45.5	33.3	27.3	25.8	24.2	22.7	21.2	21.2
85°	80.3	77.3	37.9	28.8	22.7	18.2	18.2	16.7	15.2	13.6	13.6
87.5°	39.4	37.9	21.2	13.6	12.1	9.1	9.1	7.6	6.1	6.1	6.1
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)