

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: P675449

Luminaire Tested: **CCW-SA-2A-827-U-SL2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675449
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-827-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
SL2 distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

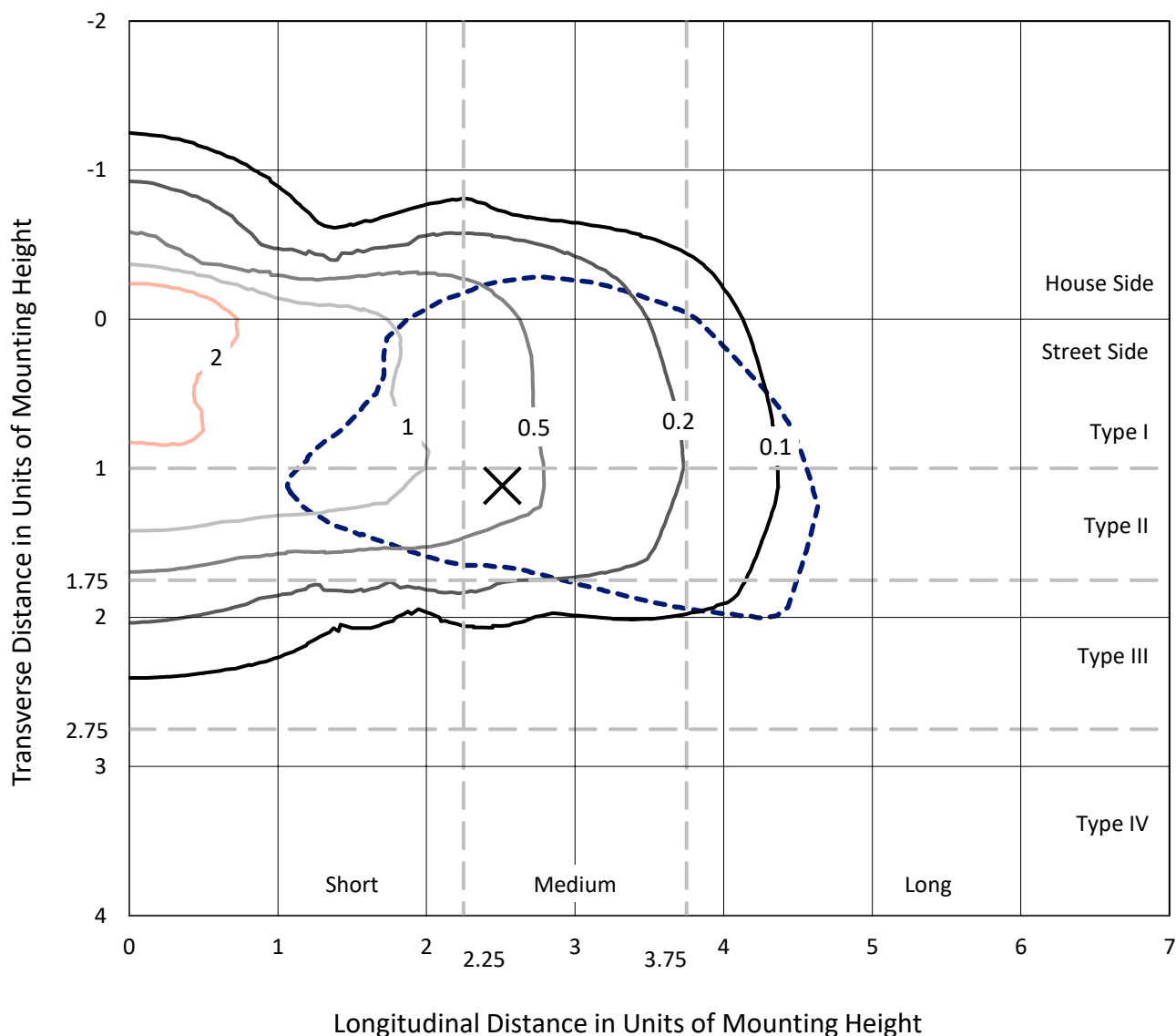
Lumens per Lamp: N/A
Luminaire Lumens: 3980.7 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 36.2
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

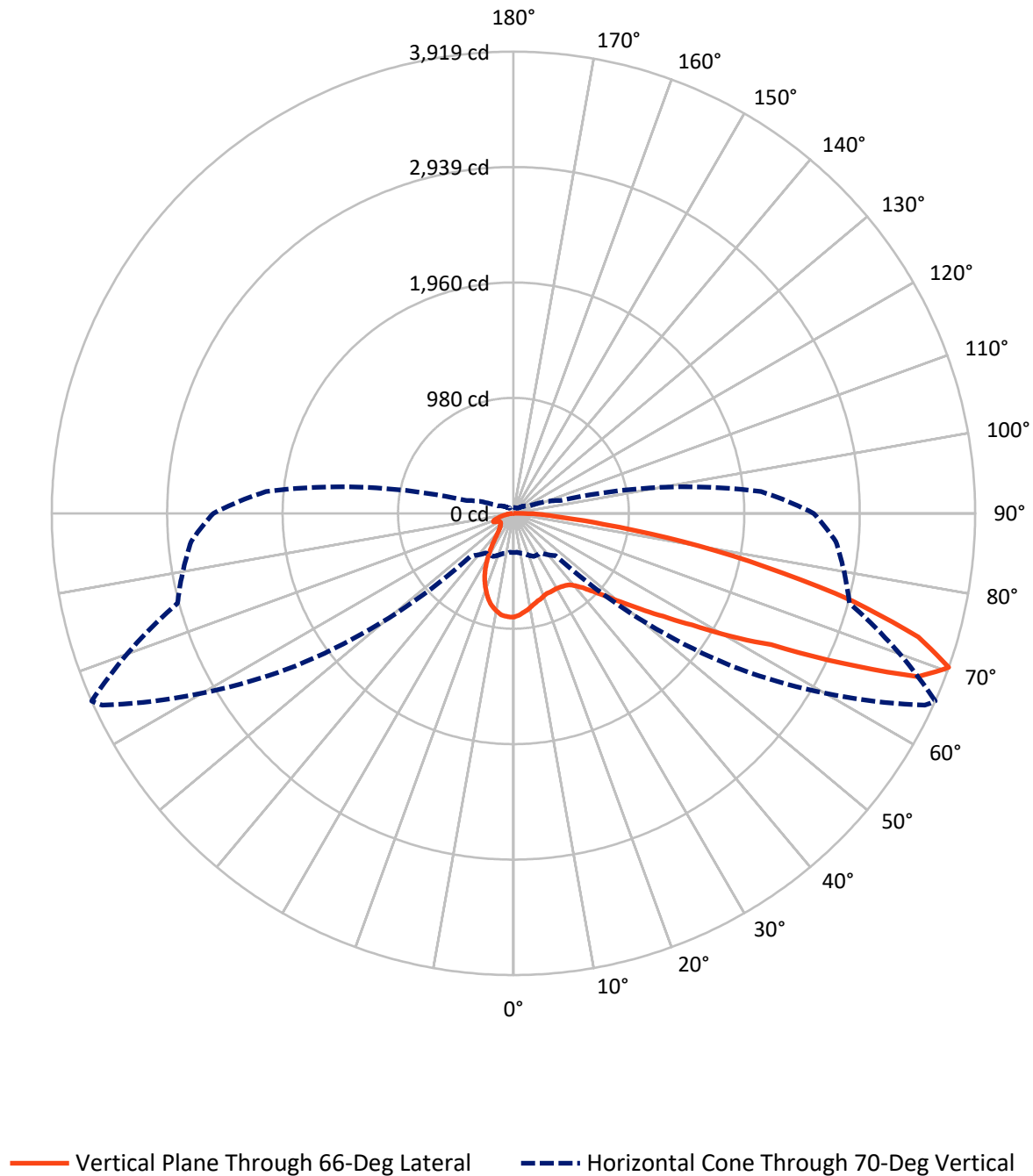
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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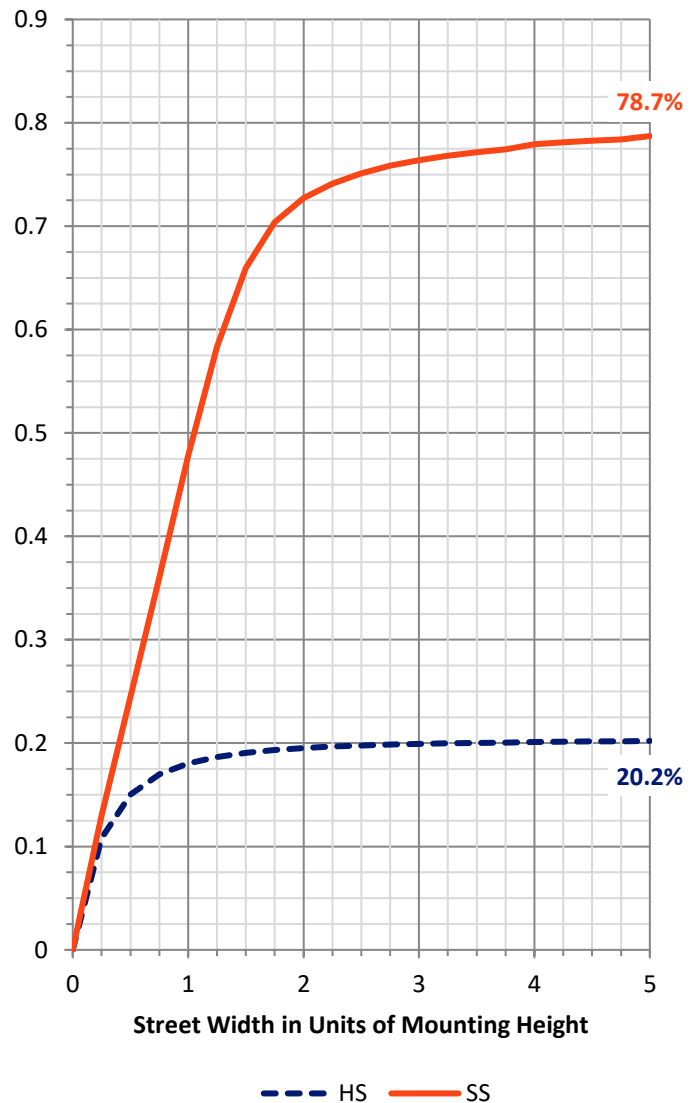
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	814.8	0.0	814.8
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	3165.9	0.0	3165.9
	% Fixture	79.5	0.0	79.5
Total	Lumens	3980.7	0.0	3980.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.8	2.0
10°-20°	191.4	4.8
20°-30°	262.9	6.6
30°-40°	352.5	8.9
40°-50°	511.4	12.8
50°-60°	777.4	19.5
60°-70°	960.1	24.1
70°-80°	714.0	17.9
80°-90°	133.2	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°	3980.7	100.0
0°-180°	3980.7	100.0

Coefficient of Utilization



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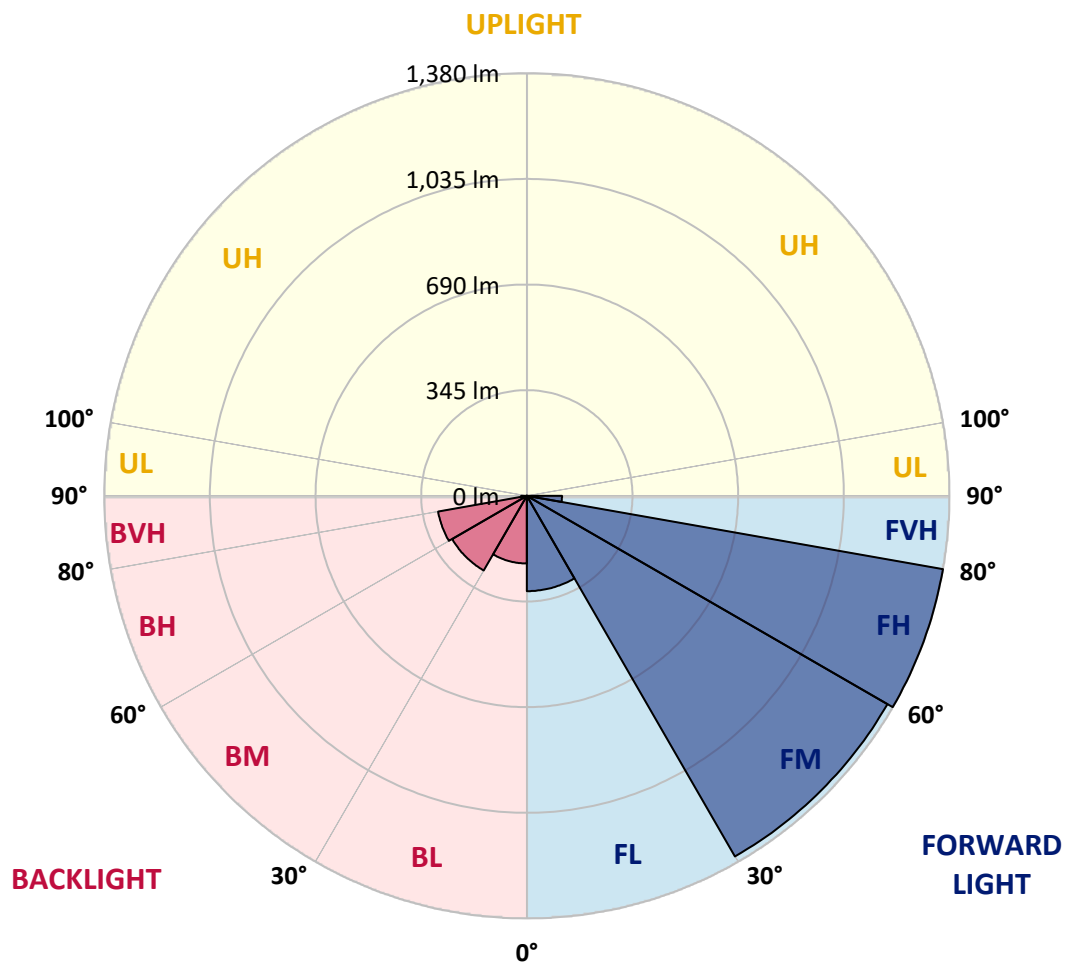
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	311.3	7.8			
FM	(30°-60°)	1359.9	34.2			
FH	(60°-80°)	1380.0	34.7			G1/1800
FVH	(80°-90°)	114.8	2.9			G2/225
BL	(0°-30°)	220.8	5.5	B1/500		
BM	(30°-60°)	281.5	7.1	B1/1000		
BH	(60°-80°)	294.1	7.4	B1/500		G1/500
BVH	(80°-90°)	18.4	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°	879.5	879.5	879.5	879.5	879.5	879.5	879.5	879.5	879.5	879.5	879.5
2.5°	836.5	841.0	842.5	845.4	852.8	858.7	867.6	872.1	867.6	873.5	873.5
5°	778.8	772.9	787.7	793.6	802.5	814.3	835.0	851.3	846.9	864.7	879.5
7.5°	729.9	729.9	734.4	747.7	758.1	775.8	798.0	823.2	830.6	854.3	876.5
10°	685.5	691.4	691.4	712.2	718.1	738.8	775.8	806.9	808.4	848.4	879.5
12.5°	661.8	658.9	673.7	679.6	697.4	718.1	747.7	786.2	787.7	830.6	873.5
15°	642.6	645.5	652.9	667.7	684.0	700.3	728.4	764.0	771.4	821.7	870.6
17.5°	644.1	645.5	645.5	655.9	669.2	688.5	715.1	756.6	761.0	809.9	866.1
20°	652.9	647.0	651.5	655.9	664.8	682.5	704.8	740.3	744.7	808.4	876.5
22.5°	672.2	667.7	666.3	664.8	663.3	673.7	701.8	731.4	735.8	801.0	880.9
25°	703.3	701.8	691.4	681.1	673.7	673.7	695.9	738.8	737.3	801.0	883.9
27.5°	740.3	740.3	738.8	719.6	697.4	685.5	700.3	735.8	734.4	801.0	891.3
30°	790.6	790.6	786.2	768.4	728.4	694.4	703.3	732.9	737.3	795.1	885.4
32.5°	845.4	843.9	848.4	832.1	790.6	735.8	721.0	738.8	743.3	801.0	886.9
35°	885.4	894.3	909.1	894.3	852.8	778.8	746.2	750.7	753.6	802.5	892.8
37.5°	931.3	941.6	962.4	974.2	929.8	843.9	786.2	769.9	769.9	821.7	894.3
40°	997.9	987.5	1023.1	1043.8	1026.0	923.9	848.4	805.4	806.9	846.9	913.5
42.5°	1046.8	1057.1	1094.1	1131.2	1109.0	1021.6	916.5	863.2	863.2	883.9	943.1
45°	1101.6	1113.4	1165.2	1209.6	1225.9	1138.6	1009.8	946.1	943.1	956.5	996.4
47.5°	1162.3	1178.5	1237.8	1289.6	1332.5	1260.0	1129.7	1046.8	1045.3	1055.7	1085.3
50°	1231.8	1237.8	1286.6	1381.4	1467.3	1421.4	1276.3	1188.9	1181.5	1185.9	1225.9
52.5°	1252.6	1248.1	1304.4	1406.6	1563.5	1618.3	1476.1	1350.3	1347.3	1337.0	1388.8
55°	1177.1	1191.9	1246.6	1376.9	1642.0	1850.7	1695.3	1570.9	1544.2	1516.1	1578.3
57.5°	1026.0	1027.5	1089.7	1243.7	1581.3	2043.2	2066.9	1787.1	1788.5	1713.0	1784.1
60°	798.0	793.6	842.5	981.6	1408.0	2102.4	2472.6	2132.0	2117.2	1909.9	1975.1
62.5°	575.9	567.1	577.4	658.9	1052.7	2012.1	2870.8	2518.5	2456.3	2111.3	2161.6
65°	473.8	478.2	482.7	487.1	590.8	1659.7	2993.7	3149.2	3066.3	2346.7	2367.4
67.5°	392.4	395.3	414.6	441.2	438.3	980.1	2851.6	3732.5	3701.5	2638.4	2545.1
70°	333.1	331.7	353.9	402.7	410.1	509.3	2257.9	3852.5	3919.1	2952.3	2746.5
72.5°	266.5	269.5	288.7	353.9	402.7	429.4	1300.0	3594.9	3593.4	3193.6	2638.4
75°	191.0	191.0	217.6	293.2	389.4	424.9	719.6	2918.2	2973.0	3001.1	2289.0
77.5°	125.8	131.8	152.5	219.1	365.7	416.0	456.0	2121.7	2189.8	2244.6	1751.5
80°	85.9	88.8	102.2	152.5	309.4	419.0	373.1	1427.3	1453.9	1239.2	710.7
82.5°	51.8	53.3	68.1	106.6	222.1	398.3	350.9	787.7	771.4	374.6	204.3
85°	28.1	29.6	42.9	71.1	146.6	347.9	345.0	386.4	359.8	137.7	85.9
87.5°	10.4	10.4	19.2	35.5	84.4	238.4	300.6	229.5	214.7	69.6	40.0
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°	879.5	879.5	879.5	879.5	879.5	879.5	879.5	879.5	879.5	879.5	879.5
2.5°	880.9	880.9	880.9	880.9	879.5	873.5	878.0	876.5	867.6	869.1	863.2
5°	878.0	885.4	880.9	875.0	867.6	849.9	843.9	839.5	827.6	823.2	827.6
7.5°	885.4	879.5	876.5	866.1	836.5	820.2	799.5	774.3	756.6	752.1	756.6
10°	883.9	883.9	870.6	841.0	812.8	765.5	738.8	694.4	669.2	661.8	663.3
12.5°	878.0	882.4	861.7	814.3	761.0	703.3	654.4	607.0	562.6	544.9	541.9
15°	883.9	879.5	842.5	781.7	707.7	627.8	556.7	487.1	445.7	419.0	413.1
17.5°	875.0	870.6	817.3	737.3	638.1	536.0	447.1	371.6	330.2	319.8	319.8
20°	885.4	857.3	787.7	684.0	565.6	435.3	334.6	278.3	268.0	268.0	270.9
22.5°	883.9	854.3	762.5	632.2	478.2	328.7	248.7	232.5	233.9	245.8	244.3
25°	875.0	848.4	727.0	574.5	386.4	247.3	205.8	201.4	211.7	225.0	223.6
27.5°	873.5	832.1	694.4	506.4	294.6	195.4	179.2	179.2	189.5	201.4	199.9
30°	864.7	818.8	654.4	429.4	222.1	170.3	164.3	164.3	168.8	174.7	174.7
32.5°	863.2	801.0	610.0	349.4	177.7	154.0	151.0	152.5	152.5	155.5	154.0
35°	851.3	777.3	564.1	270.9	154.0	145.1	142.1	140.7	140.7	139.2	139.2
37.5°	846.9	762.5	516.7	210.2	143.6	137.7	134.7	130.3	128.8	128.8	127.3
40°	851.3	747.7	470.8	170.3	134.7	131.8	127.3	121.4	119.9	119.9	119.9
42.5°	867.6	746.2	423.4	148.1	130.3	125.8	119.9	114.0	112.5	114.0	112.5
45°	904.6	758.1	377.5	137.7	124.4	119.9	112.5	108.1	106.6	108.1	108.1
47.5°	965.3	790.6	336.1	131.8	119.9	114.0	106.6	102.2	102.2	102.2	102.2
50°	1066.0	852.8	296.1	127.3	117.0	109.6	102.2	96.2	94.8	94.8	96.2
52.5°	1217.0	959.4	263.5	124.4	112.5	103.6	96.2	91.8	88.8	87.4	88.8
55°	1399.1	1114.9	253.2	121.4	106.6	99.2	91.8	85.9	82.9	82.9	81.4
57.5°	1594.6	1286.6	270.9	118.4	102.2	93.3	85.9	80.0	77.0	75.5	75.5
60°	1806.3	1489.5	336.1	117.0	97.7	87.4	80.0	75.5	71.1	69.6	69.6
62.5°	1998.8	1673.1	453.1	115.5	94.8	81.4	74.0	68.1	65.1	63.7	63.7
65°	2217.9	1877.4	567.1	121.4	93.3	77.0	68.1	62.2	59.2	57.7	57.7
67.5°	2408.9	2055.0	633.7	136.2	97.7	71.1	60.7	56.3	54.8	53.3	53.3
70°	2548.1	2109.8	424.9	149.5	105.1	66.6	54.8	51.8	48.9	48.9	48.9
72.5°	2361.5	1883.3	251.7	140.7	99.2	62.2	48.9	45.9	44.4	44.4	42.9
75°	2019.5	1603.5	194.0	114.0	80.0	53.3	42.9	40.0	38.5	38.5	37.0
77.5°	1490.9	1148.9	143.6	90.3	62.2	42.9	37.0	35.5	34.1	32.6	32.6
80°	583.3	503.4	97.7	66.6	45.9	34.1	31.1	29.6	28.1	26.7	26.7
82.5°	180.6	152.5	56.3	44.4	32.6	26.7	25.2	23.7	22.2	20.7	20.7
85°	78.5	75.5	37.0	28.1	22.2	17.8	17.8	16.3	14.8	13.3	13.3
87.5°	38.5	37.0	20.7	13.3	11.8	8.9	8.9	7.4	5.9	5.9	5.9
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)