

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: P675369

Luminaire Tested: **CCW-SA-1D-722-U-SL2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675369
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-722-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
SL2 distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

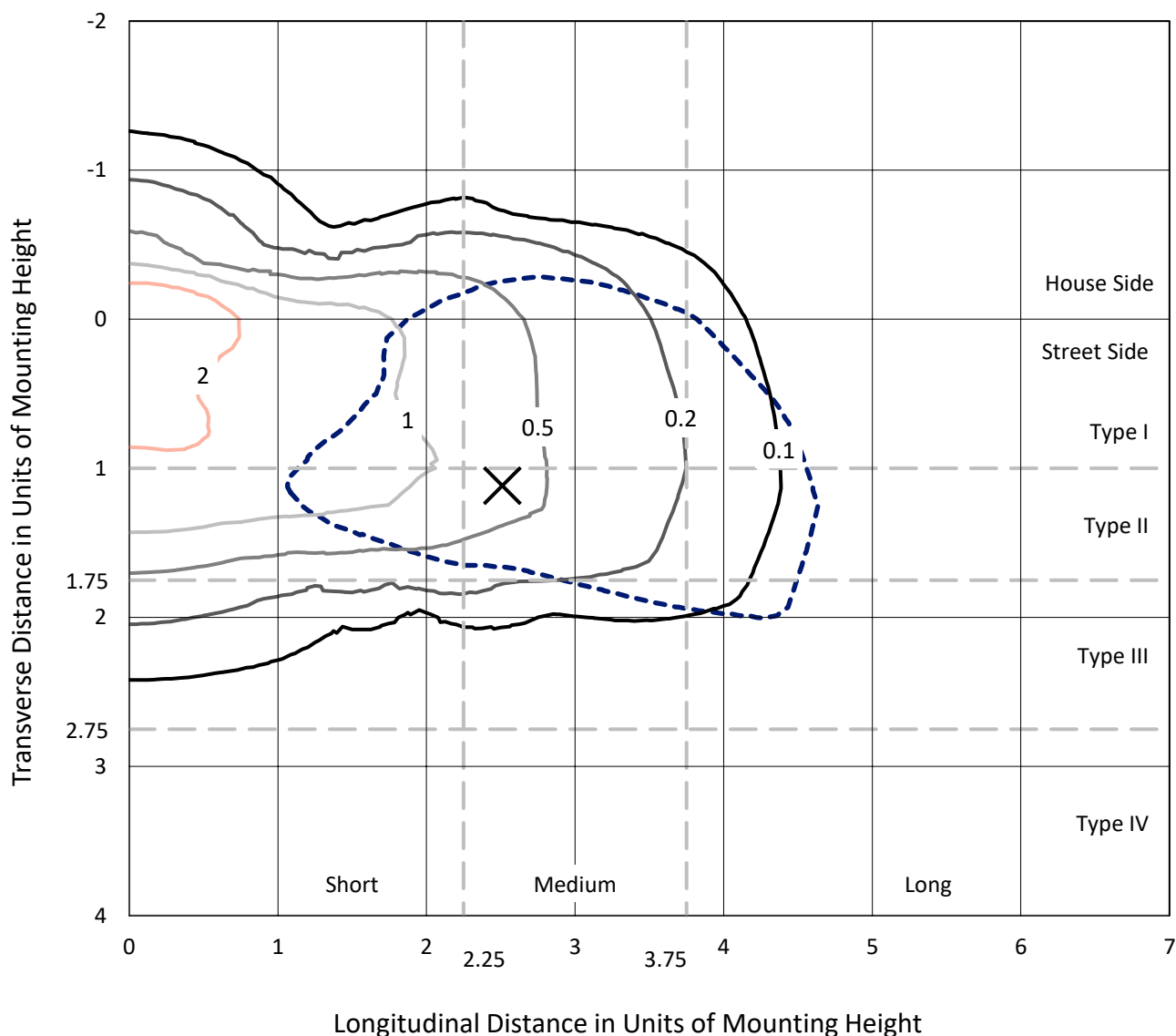
Lumens per Lamp: N/A
Luminaire Lumens: 4065.6 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 44
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

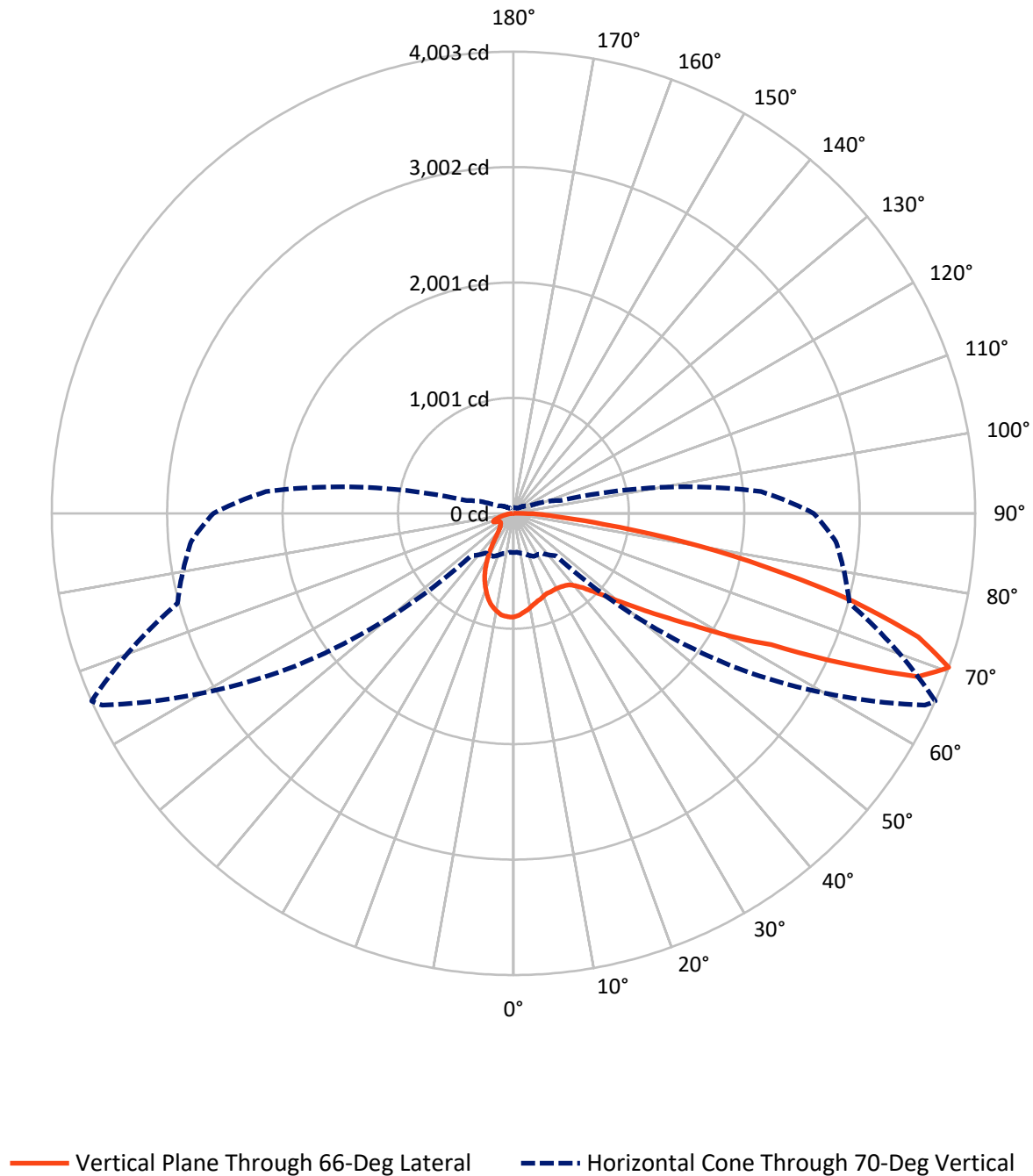
✕ Max cd
 - - - 1/2 Max cd



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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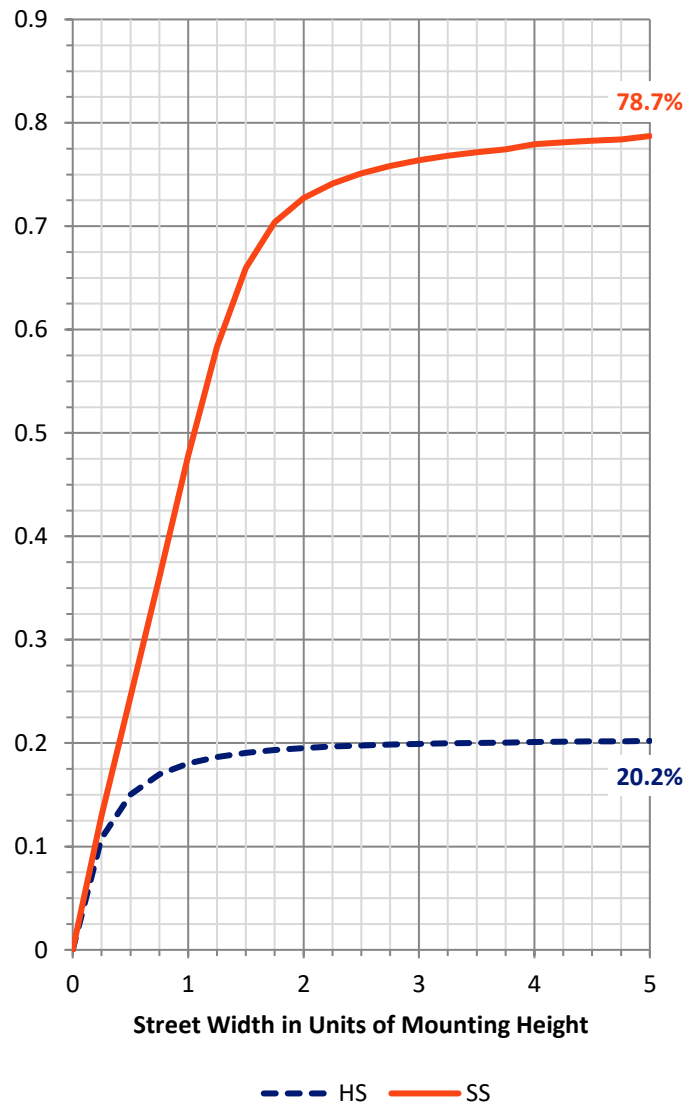
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	832.2	0.0	832.2
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	3233.4	0.0	3233.4
	% Fixture	79.5	0.0	79.5
Total	Lumens	4065.6	0.0	4065.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.4	2.0
10°-20°	195.5	4.8
20°-30°	268.5	6.6
30°-40°	360.0	8.9
40°-50°	522.3	12.8
50°-60°	794.0	19.5
60°-70°	980.6	24.1
70°-80°	729.2	17.9
80°-90°	136.0	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°	4065.6	100.0
0°-180°	4065.6	100.0

Coefficient of Utilization



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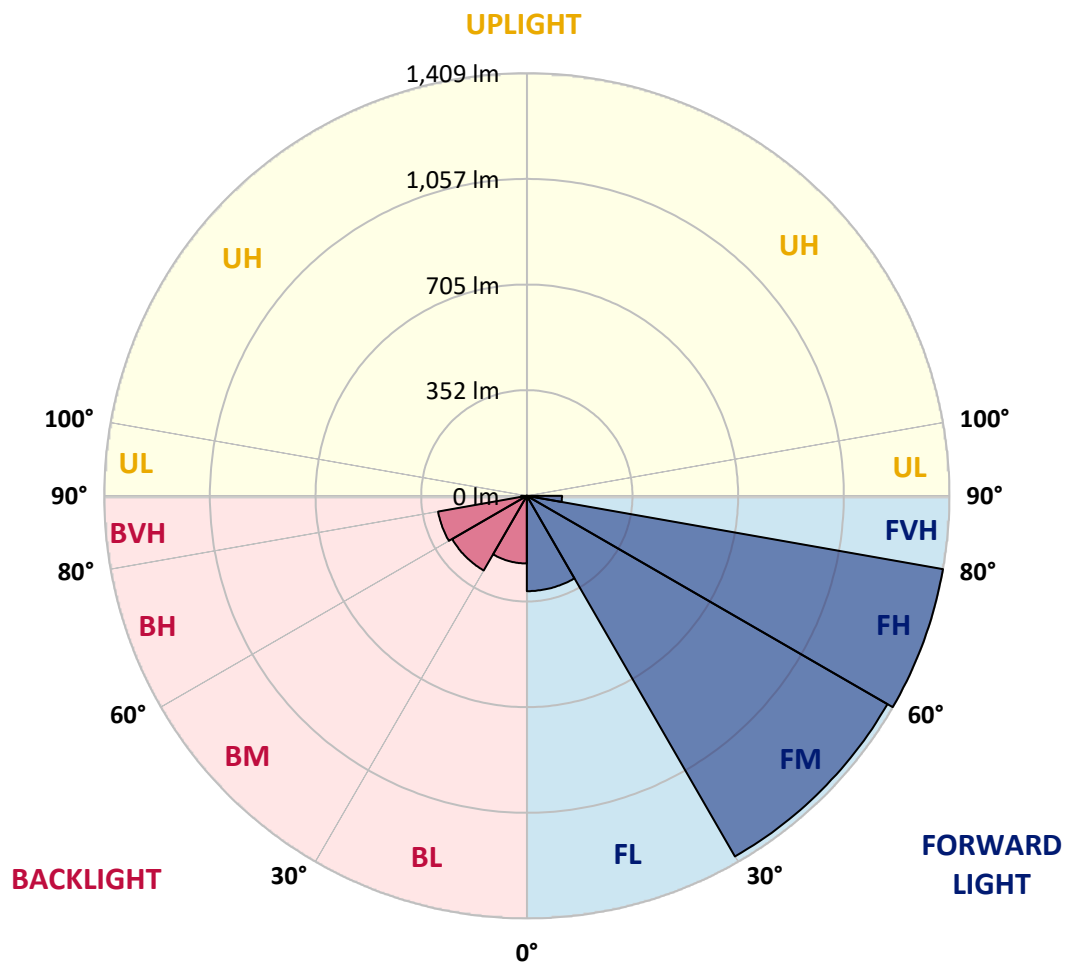
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	317.9	7.8			
FM	(30°-60°)	1388.9	34.2			
FH	(60°-80°)	1409.4	34.7			G1/1800
FVH	(80°-90°)	117.2	2.9			G2/225
BL	(0°-30°)	225.5	5.5	B1/500		
BM	(30°-60°)	287.5	7.1	B1/1000		
BH	(60°-80°)	300.4	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°	898.2	898.2	898.2	898.2	898.2	898.2	898.2	898.2	898.2	898.2	898.2
2.5°	854.4	858.9	860.4	863.4	871.0	877.0	886.1	890.7	886.1	892.2	892.2
5°	795.4	789.3	804.5	810.5	819.6	831.7	852.8	869.5	864.9	883.1	898.2
7.5°	745.5	745.5	750.0	763.6	774.2	792.4	815.0	840.8	848.3	872.5	895.2
10°	700.1	706.2	706.2	727.3	733.4	754.6	792.4	824.1	825.6	866.5	898.2
12.5°	675.9	672.9	688.0	694.1	712.2	733.4	763.6	802.9	804.5	848.3	892.2
15°	656.3	659.3	666.9	682.0	698.6	715.2	744.0	780.3	787.8	839.2	889.1
17.5°	657.8	659.3	659.3	669.9	683.5	703.1	730.4	772.7	777.2	827.1	884.6
20°	666.9	660.8	665.3	669.9	679.0	697.1	719.8	756.1	760.6	825.6	895.2
22.5°	686.5	682.0	680.5	679.0	677.4	688.0	716.8	747.0	751.5	818.1	899.7
25°	718.3	716.8	706.2	695.6	688.0	688.0	710.7	754.6	753.0	818.1	902.7
27.5°	756.1	756.1	754.6	734.9	712.2	700.1	715.2	751.5	750.0	818.1	910.3
30°	807.5	807.5	802.9	784.8	744.0	709.2	718.3	748.5	753.0	812.0	904.3
32.5°	863.4	861.9	866.5	849.8	807.5	751.5	736.4	754.6	759.1	818.1	905.8
35°	904.3	913.3	928.5	913.3	871.0	795.4	762.1	766.7	769.7	819.6	911.8
37.5°	951.1	961.7	982.9	995.0	949.6	861.9	802.9	786.3	786.3	839.2	913.3
40°	1019.2	1008.6	1044.9	1066.1	1047.9	943.6	866.5	822.6	824.1	864.9	933.0
42.5°	1069.1	1079.7	1117.5	1155.3	1132.6	1043.4	936.0	881.6	881.6	902.7	963.2
45°	1125.0	1137.1	1190.1	1235.4	1252.1	1162.8	1031.3	966.3	963.2	976.8	1017.7
47.5°	1187.0	1203.7	1264.2	1317.1	1360.9	1286.8	1153.8	1069.1	1067.6	1078.2	1108.4
50°	1258.1	1264.2	1314.1	1410.8	1498.5	1451.7	1303.5	1214.3	1206.7	1211.2	1252.1
52.5°	1279.3	1274.7	1332.2	1436.5	1596.8	1652.8	1507.6	1379.1	1376.1	1365.5	1418.4
55°	1202.2	1217.3	1273.2	1406.3	1677.0	1890.2	1731.4	1604.4	1577.2	1548.4	1611.9
57.5°	1047.9	1049.4	1112.9	1270.2	1615.0	2086.8	2111.0	1825.2	1826.7	1749.5	1822.1
60°	815.0	810.5	860.4	1002.6	1438.0	2147.2	2525.3	2177.5	2162.4	1950.7	2017.2
62.5°	588.2	579.2	589.7	672.9	1075.1	2055.0	2932.0	2572.2	2508.6	2156.3	2207.7
65°	483.9	488.4	493.0	497.5	603.3	1695.1	3057.6	3216.3	3131.6	2396.7	2417.9
67.5°	400.7	403.7	423.4	450.6	447.6	1001.0	2912.4	3812.1	3780.4	2694.6	2599.4
70°	340.2	338.7	361.4	411.3	418.9	520.2	2306.0	3934.6	4002.6	3015.2	2805.0
72.5°	272.2	275.2	294.9	361.4	411.3	438.5	1327.7	3671.5	3670.0	3261.7	2694.6
75°	195.1	195.1	222.3	299.4	397.7	434.0	734.9	2980.4	3036.4	3065.1	2337.8
77.5°	128.5	134.6	155.8	223.8	373.5	424.9	465.7	2166.9	2236.5	2292.4	1788.9
80°	87.7	90.7	104.3	155.8	316.0	427.9	381.1	1457.7	1484.9	1265.7	725.8
82.5°	52.9	54.4	69.6	108.9	226.8	406.8	358.4	804.5	787.8	382.6	208.7
85°	28.7	30.2	43.9	72.6	149.7	355.4	352.3	394.7	367.5	140.6	87.7
87.5°	10.6	10.6	19.7	36.3	86.2	243.5	307.0	234.4	219.3	71.1	40.8
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°	898.2	898.2	898.2	898.2	898.2	898.2	898.2	898.2	898.2	898.2	898.2
2.5°	899.7	899.7	899.7	899.7	898.2	892.2	896.7	895.2	886.1	887.6	881.6
5°	896.7	904.3	899.7	893.7	886.1	868.0	861.9	857.4	845.3	840.8	845.3
7.5°	904.3	898.2	895.2	884.6	854.4	837.7	816.6	790.9	772.7	768.2	772.7
10°	902.7	902.7	889.1	858.9	830.2	781.8	754.6	709.2	683.5	675.9	677.4
12.5°	896.7	901.2	880.1	831.7	777.2	718.3	668.4	620.0	574.6	556.5	553.4
15°	902.7	898.2	860.4	798.4	722.8	641.1	568.6	497.5	455.2	427.9	421.9
17.5°	893.7	889.1	834.7	753.0	651.7	547.4	456.7	379.5	337.2	326.6	326.6
20°	904.3	875.5	804.5	698.6	577.6	444.6	341.7	284.3	273.7	273.7	276.7
22.5°	902.7	872.5	778.8	645.7	488.4	335.7	254.0	237.4	238.9	251.0	249.5
25°	893.7	866.5	742.5	586.7	394.7	252.5	210.2	205.7	216.2	229.8	228.3
27.5°	892.2	849.8	709.2	517.2	300.9	199.6	183.0	183.0	193.6	205.7	204.1
30°	883.1	836.2	668.4	438.5	226.8	173.9	167.8	167.8	172.4	178.4	178.4
32.5°	881.6	818.1	623.0	356.9	181.5	157.3	154.2	155.8	155.8	158.8	157.3
35°	869.5	793.9	576.1	276.7	157.3	148.2	145.2	143.7	143.7	142.1	142.1
37.5°	864.9	778.8	527.7	214.7	146.7	140.6	137.6	133.1	131.6	131.6	130.0
40°	869.5	763.6	480.9	173.9	137.6	134.6	130.0	124.0	122.5	122.5	122.5
42.5°	886.1	762.1	432.5	151.2	133.1	128.5	122.5	116.4	114.9	116.4	114.9
45°	923.9	774.2	385.6	140.6	127.0	122.5	114.9	110.4	108.9	110.4	110.4
47.5°	985.9	807.5	343.3	134.6	122.5	116.4	108.9	104.3	104.3	104.3	104.3
50°	1088.7	871.0	302.4	130.0	119.5	111.9	104.3	98.3	96.8	96.8	98.3
52.5°	1243.0	979.9	269.2	127.0	114.9	105.9	98.3	93.8	90.7	89.2	90.7
55°	1429.0	1138.6	258.6	124.0	108.9	101.3	93.8	87.7	84.7	84.7	83.2
57.5°	1628.6	1314.1	276.7	121.0	104.3	95.3	87.7	81.7	78.6	77.1	77.1
60°	1844.8	1521.2	343.3	119.5	99.8	89.2	81.7	77.1	72.6	71.1	71.1
62.5°	2041.4	1708.7	462.7	117.9	96.8	83.2	75.6	69.6	66.5	65.0	65.0
65°	2265.2	1917.4	579.2	124.0	95.3	78.6	69.6	63.5	60.5	59.0	59.0
67.5°	2460.3	2098.9	647.2	139.1	99.8	72.6	62.0	57.5	55.9	54.4	54.4
70°	2602.4	2154.8	434.0	152.7	107.4	68.0	55.9	52.9	49.9	49.9	49.9
72.5°	2411.9	1923.4	257.1	143.7	101.3	63.5	49.9	46.9	45.4	45.4	43.9
75°	2062.6	1637.7	198.1	116.4	81.7	54.4	43.9	40.8	39.3	39.3	37.8
77.5°	1522.7	1173.4	146.7	92.2	63.5	43.9	37.8	36.3	34.8	33.3	33.3
80°	595.8	514.1	99.8	68.0	46.9	34.8	31.8	30.2	28.7	27.2	27.2
82.5°	184.5	155.8	57.5	45.4	33.3	27.2	25.7	24.2	22.7	21.2	21.2
85°	80.1	77.1	37.8	28.7	22.7	18.1	18.1	16.6	15.1	13.6	13.6
87.5°	39.3	37.8	21.2	13.6	12.1	9.1	9.1	7.6	6.0	6.0	6.0
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)