

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: P675017

Luminaire Tested: **CCW-SA-2A-827-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675017
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-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
T3 distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

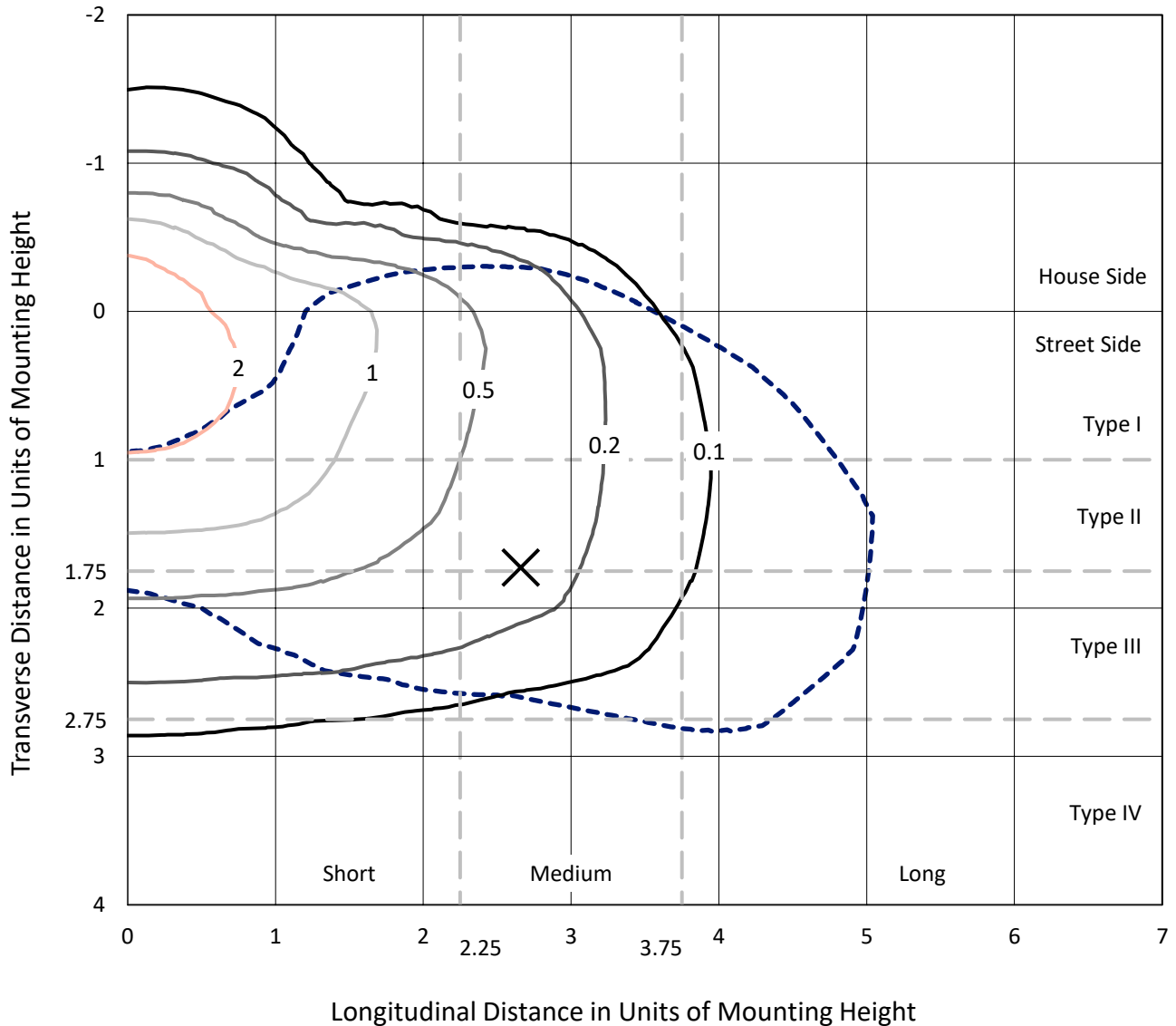
Lumens per Lamp: N/A
Luminaire Lumens: 4064 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

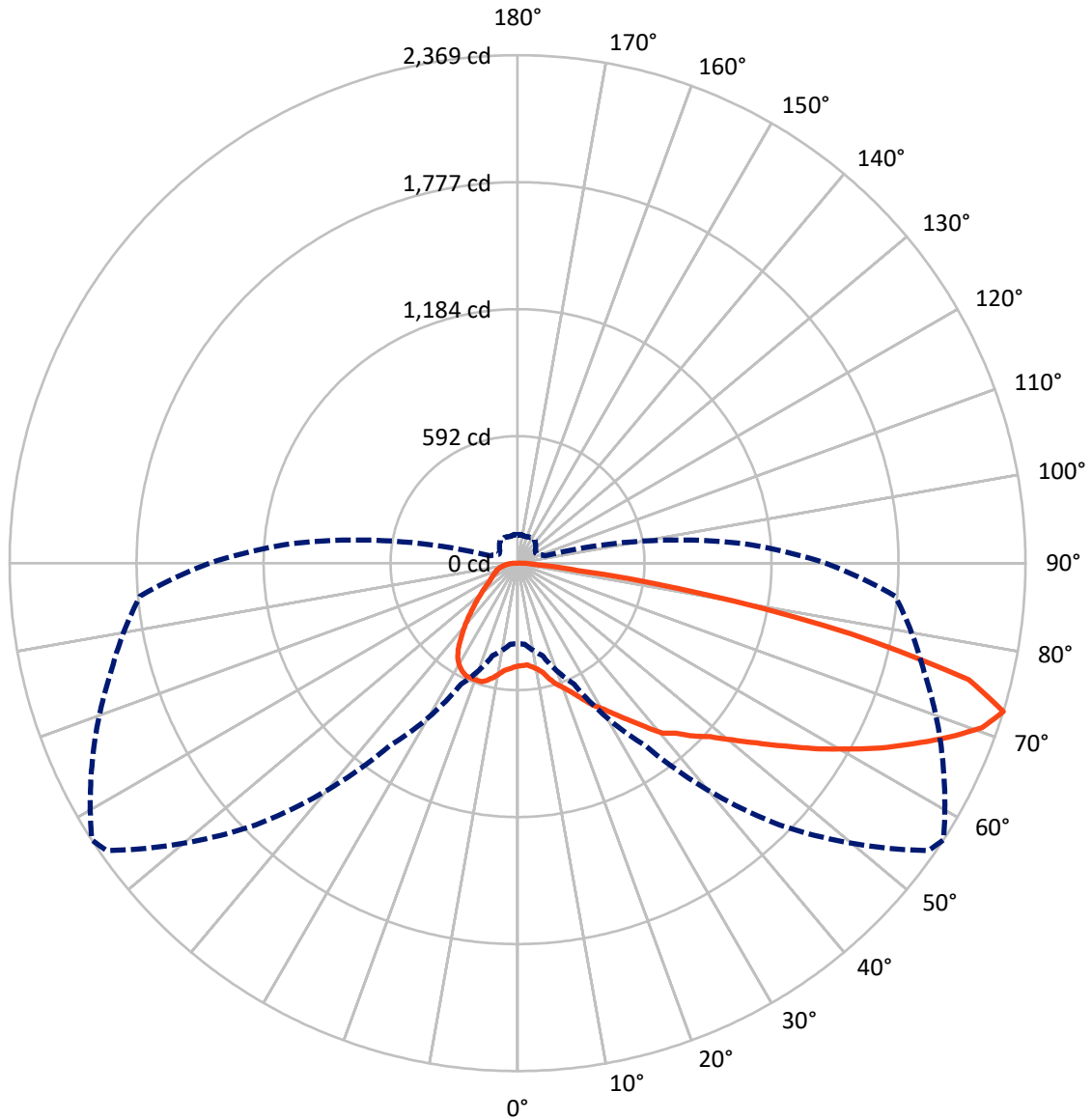
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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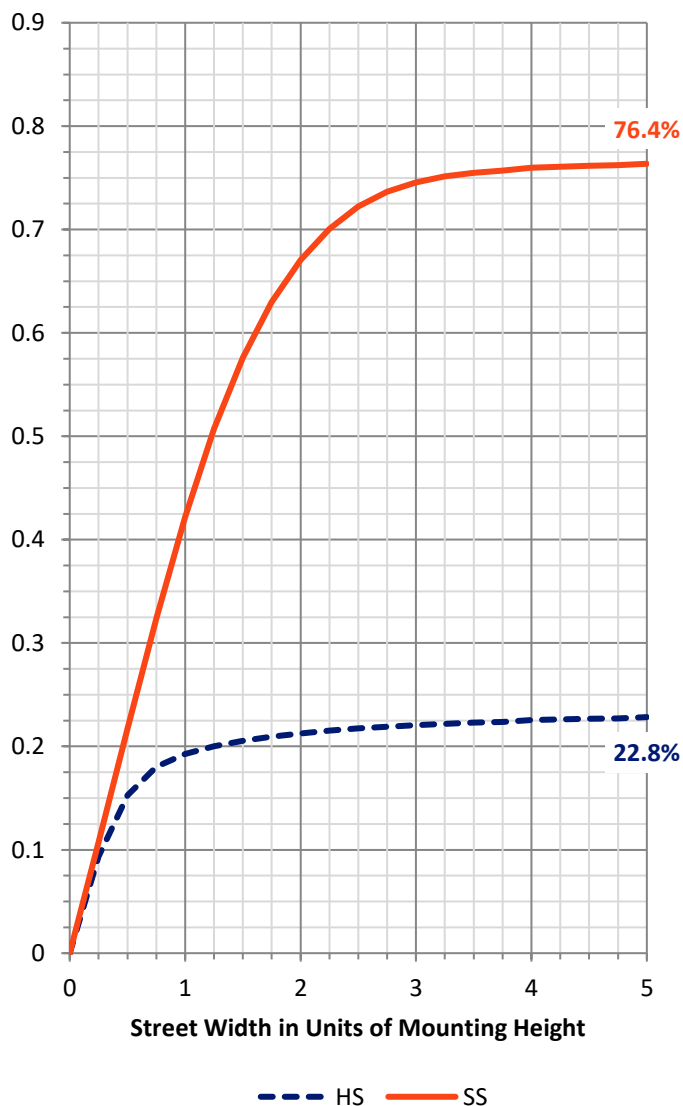
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	949.1	0.0	949.1
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	3114.9	0.0	3114.9
	% Fixture	76.6	0.0	76.6
Total	Lumens	4064.0	0.0	4064.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.6	1.2
10°-20°	160.5	3.9
20°-30°	293.3	7.2
30°-40°	430.4	10.6
40°-50°	592.6	14.6
50°-60°	812.6	20.0
60°-70°	979.5	24.1
70°-80°	652.5	16.1
80°-90°	95.0	2.3
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°	4064.0	100.0
0°-180°	4064.0	100.0



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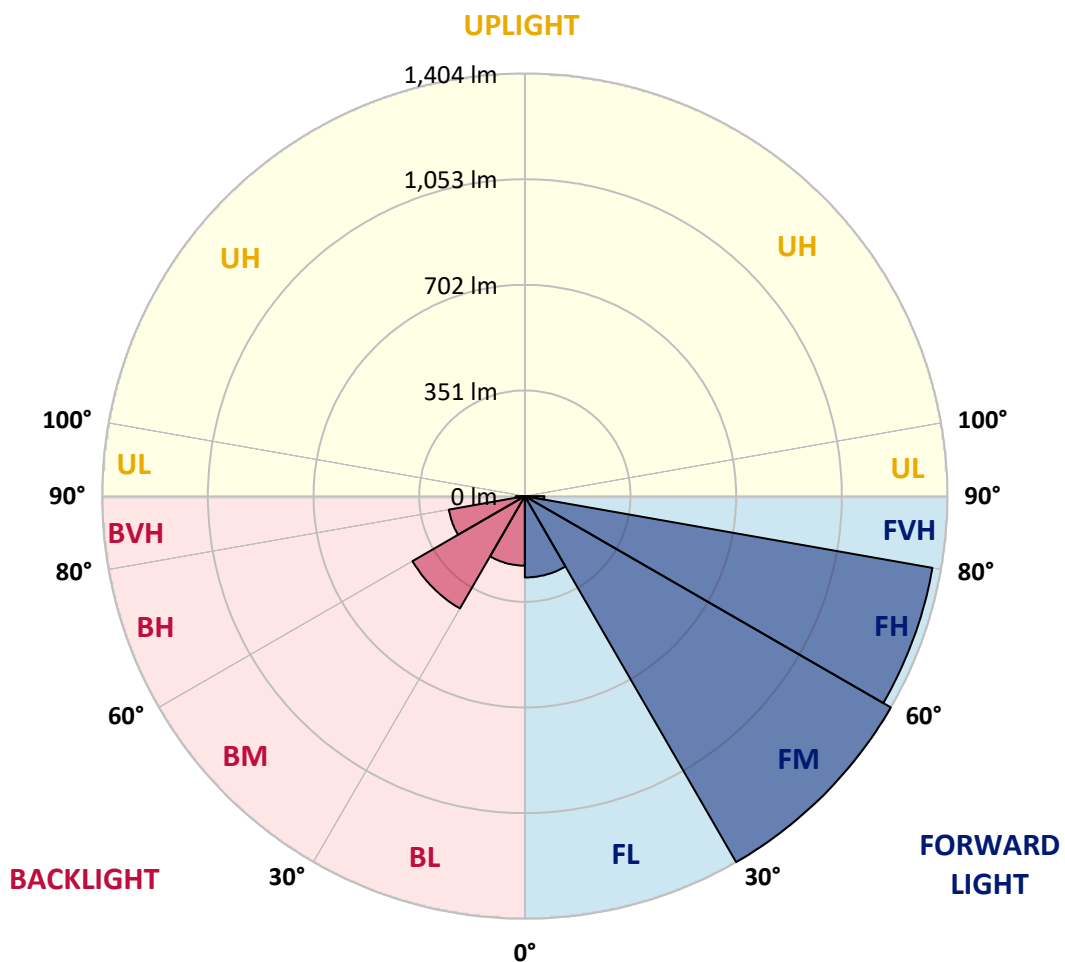
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	270.4	6.7			
FM (30°-60°)	1404.4	34.6			
FH (60°-80°)	1375.4	33.8			G1/1800
FVH (80°-90°)	64.7	1.6			G1/100
BL (0°-30°)	231.1	5.7	B1/500		
BM (30°-60°)	431.1	10.6	B1/1000		
BH (60°-80°)	256.6	6.3	B1/500		G1/500
BVH (80°-90°)	30.3	0.7			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7
2.5°	470.8	472.3	475.2	473.8	473.8	469.3	476.7	478.2	475.2	476.7	479.7
5°	470.8	473.8	478.2	475.2	476.7	475.2	472.3	476.7	476.7	478.2	482.6
7.5°	496.0	494.5	494.5	490.0	488.6	487.1	488.6	488.6	485.6	487.1	487.1
10°	524.1	524.1	521.1	521.1	518.2	510.8	503.4	501.9	497.4	498.9	498.9
12.5°	553.7	556.7	559.6	550.7	547.8	535.9	531.5	522.6	522.6	519.7	518.2
15°	590.7	586.3	589.2	586.3	578.9	567.0	559.6	561.1	550.7	547.8	543.3
17.5°	623.3	624.8	620.3	617.4	604.0	595.2	596.6	595.2	581.8	577.4	570.0
20°	661.8	660.3	660.3	651.4	639.6	627.7	623.3	621.8	624.8	615.9	598.1
22.5°	701.8	695.8	695.8	688.4	672.1	664.7	661.8	655.9	658.8	651.4	624.8
25°	734.3	734.3	744.7	729.9	721.0	706.2	700.3	701.8	703.2	688.4	657.3
27.5°	777.3	769.9	780.2	772.8	768.4	752.1	744.7	749.1	746.2	729.9	686.9
30°	832.0	833.5	827.6	817.2	811.3	799.5	795.0	790.6	795.0	774.3	719.5
32.5°	900.1	904.6	889.8	877.9	867.6	855.7	846.8	842.4	846.8	815.7	744.7
35°	978.6	983.0	971.2	957.9	946.0	916.4	909.0	901.6	885.3	835.0	768.4
37.5°	1051.1	1045.2	1042.3	1042.3	1020.1	977.1	972.7	968.2	937.1	873.5	800.9
40°	1100.0	1107.4	1104.4	1101.5	1098.5	1058.5	1049.7	1042.3	990.4	931.2	846.8
42.5°	1154.8	1150.3	1162.2	1166.6	1156.3	1144.4	1108.9	1083.7	1037.8	990.4	914.9
45°	1219.9	1217.0	1221.4	1237.7	1222.9	1227.3	1168.1	1150.3	1092.6	1064.5	1000.8
47.5°	1277.7	1285.1	1307.3	1311.7	1299.9	1320.6	1237.7	1209.6	1172.5	1150.3	1089.6
50°	1302.8	1311.7	1362.0	1393.1	1394.6	1427.2	1307.3	1295.4	1245.1	1254.0	1200.7
52.5°	1282.1	1310.2	1370.9	1452.4	1502.7	1535.3	1399.1	1393.1	1347.2	1375.4	1322.1
55°	1301.3	1328.0	1368.0	1482.0	1609.3	1616.7	1526.4	1504.2	1458.3	1496.8	1447.9
57.5°	1310.2	1295.4	1370.9	1514.5	1687.8	1707.0	1647.8	1631.5	1596.0	1633.0	1604.8
60°	1240.6	1258.4	1329.5	1505.7	1692.2	1803.2	1784.0	1760.3	1727.7	1761.8	1745.5
62.5°	1162.2	1174.0	1251.0	1452.4	1717.4	1872.8	1915.7	1898.0	1852.1	1881.7	1909.8
65°	1063.0	1064.5	1150.3	1357.6	1668.5	1912.8	2031.2	2029.7	1997.2	1989.8	2034.2
67.5°	941.6	953.4	1021.5	1256.9	1601.9	1957.2	2145.2	2167.4	2102.3	2044.6	2060.8
70°	722.5	734.3	799.5	1030.4	1465.7	1943.9	2285.9	2297.7	2170.4	2023.8	1982.4
72.5°	376.0	379.0	445.6	621.8	1039.3	1726.2	2337.7	2368.8	2188.2	1963.1	1767.7
75°	124.4	124.4	152.5	236.9	490.0	1104.4	2117.1	2173.4	2100.8	1812.1	1446.4
77.5°	74.0	75.5	90.3	118.4	195.4	441.2	1492.3	1591.5	1718.8	1541.2	1057.1
80°	53.3	54.8	68.1	81.4	117.0	142.1	749.1	886.8	1055.6	991.9	564.1
82.5°	40.0	40.0	53.3	60.7	79.9	84.4	208.7	285.7	456.0	355.3	155.5
85°	41.5	41.5	41.5	42.9	54.8	48.9	87.3	93.3	133.2	117.0	42.9
87.5°	14.8	16.3	41.5	28.1	28.1	20.7	34.1	37.0	47.4	48.9	16.3
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°	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7	479.7
2.5°	481.2	481.2	482.6	482.6	485.6	488.6	493.0	490.0	490.0	491.5	490.0
5°	479.7	481.2	485.6	493.0	496.0	497.4	506.3	506.3	506.3	509.3	509.3
7.5°	485.6	488.6	496.0	503.4	504.8	509.3	521.1	524.1	531.5	534.5	535.9
10°	500.4	504.8	510.8	519.7	525.6	531.5	540.4	550.7	549.3	558.1	559.6
12.5°	522.6	521.1	531.5	540.4	546.3	555.2	558.1	558.1	558.1	558.1	561.1
15°	540.4	543.3	552.2	558.1	565.5	564.1	558.1	552.2	553.7	552.2	552.2
17.5°	567.0	567.0	574.4	575.9	578.9	564.1	555.2	555.2	559.6	559.6	556.7
20°	593.7	592.2	595.2	593.7	574.4	556.7	555.2	556.7	558.1	556.7	555.2
22.5°	618.8	615.9	611.4	605.5	571.5	555.2	552.2	544.8	537.4	537.4	533.0
25°	641.1	638.1	626.2	608.5	570.0	546.3	531.5	513.7	504.8	500.4	506.3
27.5°	661.8	655.9	639.6	608.5	556.7	522.6	494.5	472.3	464.9	459.0	464.9
30°	689.9	679.5	657.3	604.0	535.9	485.6	447.1	420.5	413.1	404.2	407.1
32.5°	715.1	691.4	672.1	590.7	509.3	444.1	399.7	373.1	359.8	352.4	358.3
35°	741.7	718.0	678.1	570.0	467.8	393.8	349.4	324.2	313.9	303.5	303.5
37.5°	768.4	755.0	686.9	531.5	417.5	346.4	306.5	287.2	269.4	250.2	250.2
40°	824.6	806.9	697.3	487.1	367.2	300.5	272.4	247.2	229.5	202.8	201.3
42.5°	883.8	845.4	697.3	433.8	322.7	268.0	241.3	214.7	182.1	165.8	167.3
45°	959.4	914.9	678.1	386.4	278.3	241.3	211.7	177.7	162.9	152.5	152.5
47.5°	1054.1	984.5	654.4	334.6	242.8	217.6	180.6	159.9	149.5	140.6	139.2
50°	1166.6	1048.2	624.8	290.2	213.2	195.4	164.3	148.0	139.2	133.2	133.2
52.5°	1285.1	1141.5	604.0	250.2	189.5	165.8	152.5	142.1	134.7	130.3	128.8
55°	1405.0	1234.7	589.2	207.3	167.3	152.5	149.5	140.6	137.7	133.2	130.3
57.5°	1539.7	1311.7	586.3	177.7	149.5	146.6	152.5	145.1	140.6	136.2	131.8
60°	1684.8	1415.3	559.6	154.0	140.6	143.6	148.0	140.6	137.7	133.2	130.3
62.5°	1828.4	1492.3	487.1	136.2	131.8	134.7	140.6	134.7	130.3	131.8	133.2
65°	1887.6	1498.3	377.5	122.9	121.4	122.9	131.8	130.3	125.8	134.7	134.7
67.5°	1828.4	1445.0	266.5	111.0	111.0	118.4	133.2	136.2	131.8	143.6	142.1
70°	1693.7	1313.2	180.6	103.6	106.6	125.8	137.7	134.7	128.8	143.6	140.6
72.5°	1437.6	1051.1	131.8	96.2	100.7	119.9	136.2	133.2	128.8	134.7	128.8
75°	1079.3	747.6	103.6	87.3	88.8	108.1	140.6	133.2	121.4	118.4	114.0
77.5°	721.0	461.9	79.9	77.0	77.0	94.8	134.7	124.4	109.6	105.1	103.6
80°	343.5	185.1	63.7	65.1	66.6	81.4	122.9	111.0	99.2	93.3	93.3
82.5°	109.6	69.6	53.3	53.3	53.3	66.6	102.2	93.3	85.9	81.4	74.0
85°	38.5	38.5	45.9	47.4	42.9	48.9	84.4	79.9	71.1	59.2	57.7
87.5°	14.8	22.2	31.1	37.0	26.6	34.1	60.7	56.3	51.8	38.5	37.0
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)