

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: P675225

Luminaire Tested: **CCW-SA-1D-722-U-T4W**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675225
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-T4W
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T4W distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

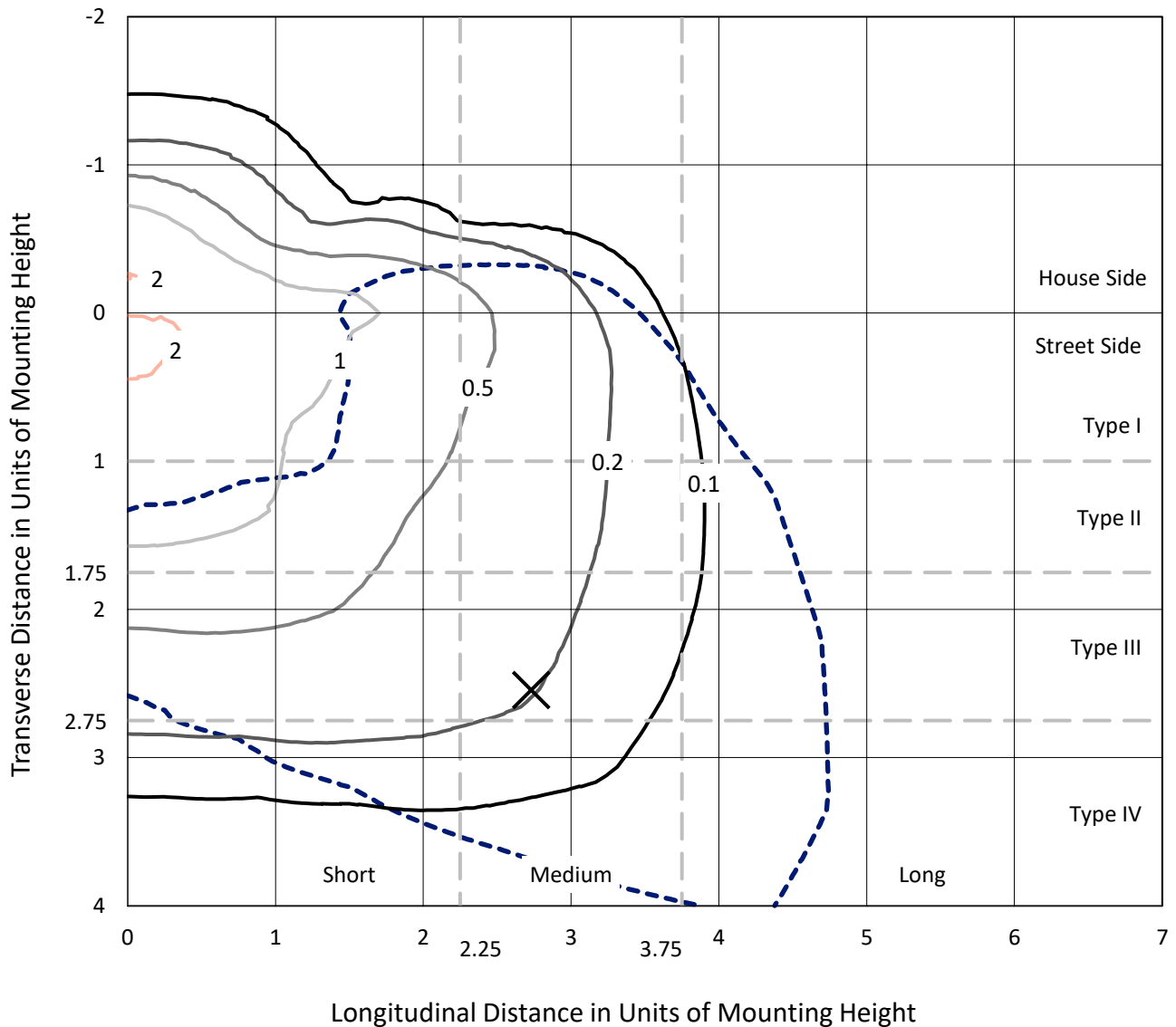
Lumens per Lamp: N/A
Luminaire Lumens: 4144.2 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

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

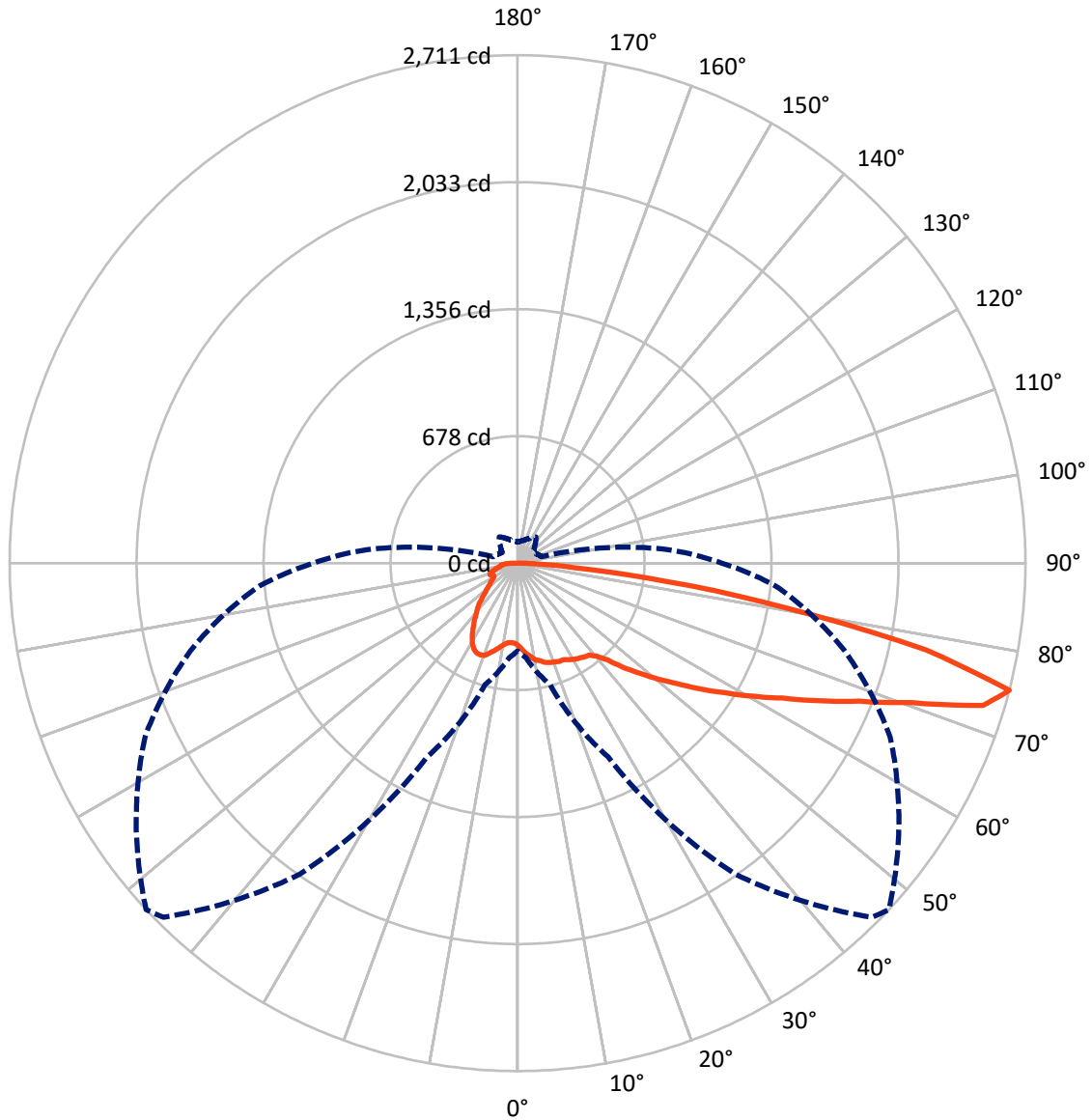
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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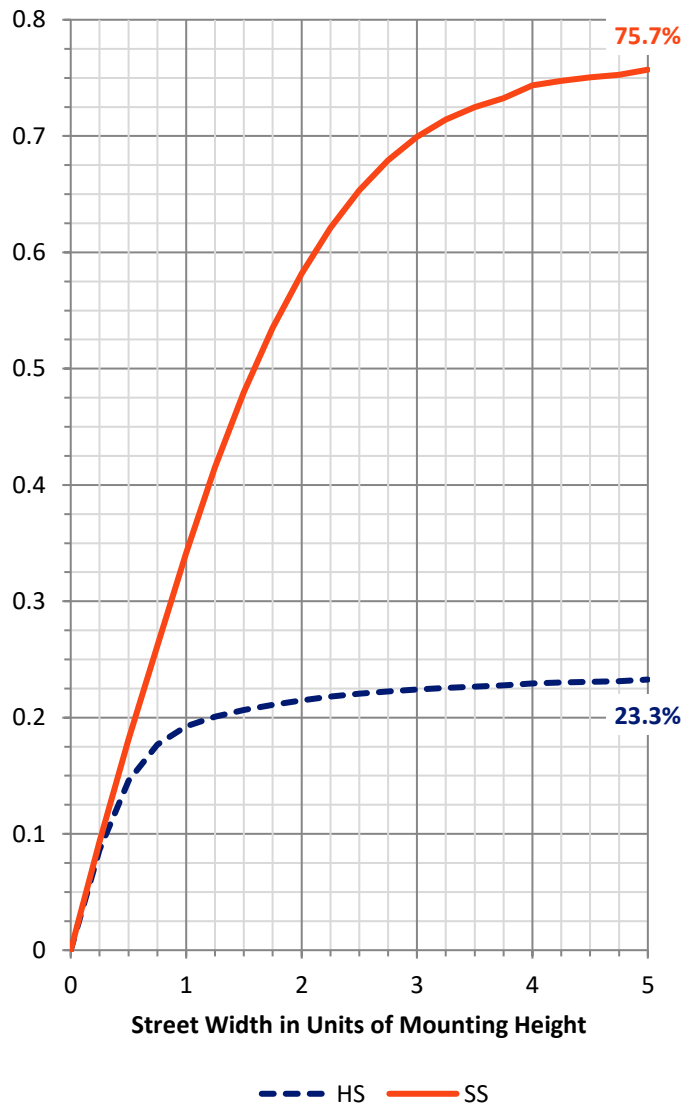
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	991.1	0.0	991.1
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	3153.1	0.0	3153.1
	% Fixture	76.1	0.0	76.1
Total	Lumens	4144.2	0.0	4144.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.5	1.1
10°-20°	147.7	3.6
20°-30°	253.0	6.1
30°-40°	354.0	8.5
40°-50°	493.6	11.9
50°-60°	737.8	17.8
60°-70°	1063.8	25.7
70°-80°	905.5	21.8
80°-90°	144.2	3.5
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°	4144.2	100.0
0°-180°	4144.2	100.0

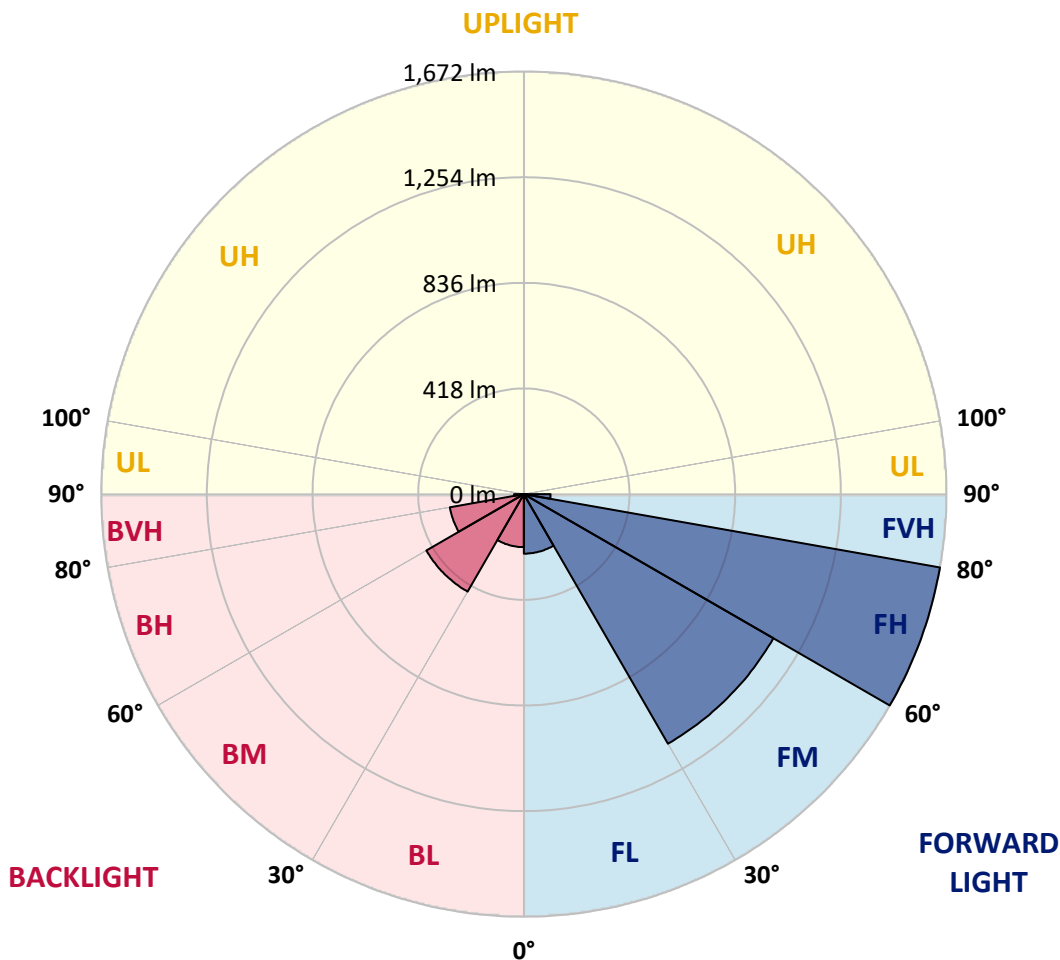


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	235.5	5.7			
FM (30°-60°)	1140.0	27.5			
FH (60°-80°)	1671.9	40.3			G1/1800
FVH (80°-90°)	105.7	2.6			G2/225
BL (0°-30°)	209.8	5.1	B1/500		
BM (30°-60°)	445.4	10.7	B1/1000		
BH (60°-80°)	297.3	7.2	B1/500		G1/500
BVH (80°-90°)	38.6	0.9			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0
2.5°	471.8	473.3	473.3	470.3	467.2	461.2	461.2	455.1	452.1	444.6	441.5
5°	515.6	511.1	506.6	505.0	497.5	486.9	485.4	479.3	462.7	455.1	444.6
7.5°	547.4	545.9	544.4	538.3	524.7	508.1	503.5	494.5	477.8	462.7	450.6
10°	573.1	579.1	573.1	559.5	545.9	527.7	526.2	509.6	494.5	476.3	461.2
12.5°	601.8	603.3	592.7	576.1	554.9	539.8	533.8	527.7	511.1	496.0	473.3
15°	621.5	618.5	610.9	588.2	564.0	548.9	550.4	542.8	524.7	514.1	489.9
17.5°	621.5	621.5	609.4	592.7	571.6	558.0	558.0	553.4	541.3	526.2	509.6
20°	609.4	609.4	601.8	592.7	568.6	565.5	562.5	559.5	559.5	545.9	521.7
22.5°	594.3	591.2	594.3	579.1	562.5	565.5	570.1	568.6	564.0	551.9	535.3
25°	579.1	580.7	583.7	573.1	558.0	571.6	570.1	577.6	574.6	565.5	551.9
27.5°	577.6	580.7	582.2	571.6	565.5	577.6	583.7	591.2	592.7	583.7	567.0
30°	600.3	598.8	597.3	583.7	579.1	589.7	595.8	606.4	615.4	595.8	582.2
32.5°	659.3	650.2	641.1	604.8	591.2	598.8	604.8	620.0	621.5	610.9	591.2
35°	753.0	747.0	716.7	653.2	615.4	607.9	613.9	624.5	627.5	620.0	604.8
37.5°	860.4	857.4	815.0	737.9	665.3	629.0	623.0	638.1	650.2	633.6	612.4
40°	966.2	954.1	923.9	848.3	728.8	660.8	653.2	660.8	665.3	653.2	639.6
42.5°	1061.5	1047.9	1040.3	964.7	812.0	713.7	707.7	689.5	703.1	688.0	669.9
45°	1141.6	1138.6	1135.6	1070.6	907.3	799.9	795.4	748.5	763.6	751.5	725.8
47.5°	1199.1	1212.7	1208.2	1171.9	1016.1	892.1	878.5	818.1	840.7	828.6	802.9
50°	1267.2	1274.7	1270.2	1246.0	1117.5	998.0	972.3	910.3	936.0	934.5	920.9
52.5°	1327.6	1350.3	1324.6	1323.1	1262.6	1112.9	1069.1	1010.1	1052.4	1069.1	1067.6
55°	1398.7	1416.9	1409.3	1406.3	1392.7	1224.8	1185.5	1114.4	1185.5	1209.7	1230.9
57.5°	1459.2	1457.7	1486.4	1521.2	1537.8	1353.3	1306.5	1223.3	1330.7	1357.9	1416.9
60°	1486.4	1512.1	1560.5	1648.2	1695.1	1490.9	1442.6	1376.0	1477.3	1498.5	1607.4
62.5°	1504.6	1527.2	1621.0	1769.2	1796.4	1631.6	1586.2	1519.7	1637.6	1652.7	1814.5
65°	1454.7	1475.8	1661.8	1814.5	1911.3	1782.8	1772.2	1702.6	1797.9	1807.0	2032.3
67.5°	1397.2	1419.9	1627.0	1872.0	2064.0	1983.9	1967.3	1884.1	1956.7	1946.1	2198.6
70°	1295.9	1326.1	1537.8	1921.9	2233.4	2265.1	2231.9	2113.9	2121.5	2021.7	2206.2
72.5°	987.4	1007.1	1203.6	1723.8	2312.0	2655.3	2597.8	2361.9	2275.7	2036.8	1947.6
75°	468.8	505.0	671.4	1140.1	2026.2	2673.4	2711.2	2484.4	2194.1	1807.0	1380.6
77.5°	136.1	136.1	204.1	483.9	1270.2	2154.8	2225.8	2109.4	1810.0	1338.2	725.8
80°	74.1	78.6	107.4	170.9	558.0	1359.4	1462.2	1398.7	1066.0	529.2	187.5
82.5°	42.3	43.9	71.1	102.8	254.0	739.4	799.9	725.8	405.2	160.3	87.7
85°	24.2	25.7	40.8	68.0	151.2	272.2	296.4	257.1	163.3	107.4	43.9
87.5°	12.1	12.1	19.7	31.8	77.1	77.1	75.6	92.2	98.3	65.0	19.7
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°	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0	440.0
2.5°	440.0	438.5	438.5	432.5	431.0	426.4	426.4	423.4	421.9	426.4	426.4
5°	441.5	434.0	432.5	426.4	427.9	424.9	431.0	427.9	426.4	426.4	424.9
7.5°	444.6	437.0	431.0	426.4	424.9	429.4	437.0	437.0	446.1	441.5	441.5
10°	452.1	447.6	440.0	437.0	437.0	441.5	450.6	456.7	464.2	464.2	459.7
12.5°	470.3	462.7	453.6	449.1	455.1	459.7	468.8	474.8	483.9	486.9	483.9
15°	483.9	476.3	473.3	470.3	474.8	480.9	488.4	494.5	505.0	508.1	506.6
17.5°	502.0	492.9	491.4	492.9	496.0	500.5	505.0	509.6	517.1	517.1	517.1
20°	511.1	508.1	506.6	511.1	517.1	523.2	520.2	517.1	515.6	518.7	517.1
22.5°	527.7	524.7	526.2	530.8	530.8	527.7	523.2	512.6	509.6	512.6	509.6
25°	542.8	539.8	539.8	536.8	535.3	524.7	515.6	506.6	496.0	500.5	499.0
27.5°	558.0	556.5	556.5	544.4	529.2	511.1	499.0	488.4	482.4	489.9	485.4
30°	576.1	577.6	570.1	541.3	505.0	485.4	471.8	470.3	468.8	473.3	471.8
32.5°	592.7	594.3	582.2	536.8	486.9	449.1	435.5	437.0	444.6	452.1	459.7
35°	601.8	609.4	594.3	521.7	450.6	408.3	393.1	406.8	420.4	431.0	438.5
37.5°	618.5	638.1	612.4	505.0	418.9	372.0	361.4	365.9	382.6	399.2	406.8
40°	642.6	665.3	616.9	473.3	376.5	335.7	329.6	331.2	337.2	347.8	355.3
42.5°	685.0	709.2	621.5	432.5	334.2	313.0	296.4	291.8	287.3	287.3	285.8
45°	747.0	769.7	615.4	381.1	291.8	276.7	264.6	254.0	241.9	222.3	225.3
47.5°	837.7	855.9	620.0	335.7	252.5	240.4	231.4	219.3	201.1	179.9	178.4
50°	975.3	948.1	613.9	288.8	223.8	213.2	205.6	189.0	167.8	152.7	151.2
52.5°	1135.6	1081.2	607.9	249.5	199.6	190.5	184.5	166.3	146.7	139.1	137.6
55°	1329.1	1250.5	616.9	214.7	181.5	173.9	167.8	151.2	136.1	130.0	128.5
57.5°	1557.5	1433.5	666.8	187.5	161.8	158.8	157.3	143.7	130.0	125.5	124.0
60°	1772.2	1608.9	700.1	167.8	143.7	146.7	149.7	143.7	128.5	125.5	125.5
62.5°	1952.1	1754.1	647.2	151.2	134.6	143.7	157.3	152.7	146.7	149.7	146.7
65°	2110.9	1804.0	483.9	142.1	130.0	151.2	173.9	172.4	158.8	161.8	160.3
67.5°	2138.1	1743.5	316.0	134.6	127.0	166.3	195.1	176.9	149.7	149.7	145.2
70°	2024.7	1581.7	211.7	127.0	125.5	166.3	199.6	166.3	140.6	140.6	134.6
72.5°	1661.8	1264.1	163.3	119.5	114.9	148.2	189.0	157.3	131.6	128.5	117.9
75°	1091.7	815.0	133.1	113.4	99.8	130.0	170.9	145.2	125.5	116.4	111.9
77.5°	535.3	365.9	111.9	99.8	86.2	113.4	155.7	137.6	117.9	108.9	105.8
80°	146.7	131.6	93.8	87.7	72.6	98.3	146.7	131.6	110.4	101.3	96.8
82.5°	83.2	81.7	75.6	71.1	60.5	98.3	148.2	131.6	104.3	102.8	87.7
85°	45.4	48.4	54.4	52.9	46.9	87.7	140.6	114.9	84.7	71.1	71.1
87.5°	18.1	22.7	27.2	30.2	31.8	65.0	105.8	87.7	65.0	54.4	54.4
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)