

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: P676553

Luminaire Tested: **CCW-SA-1C-735-U-T4FT-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676553
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-735-U-T4FT-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T4FT distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

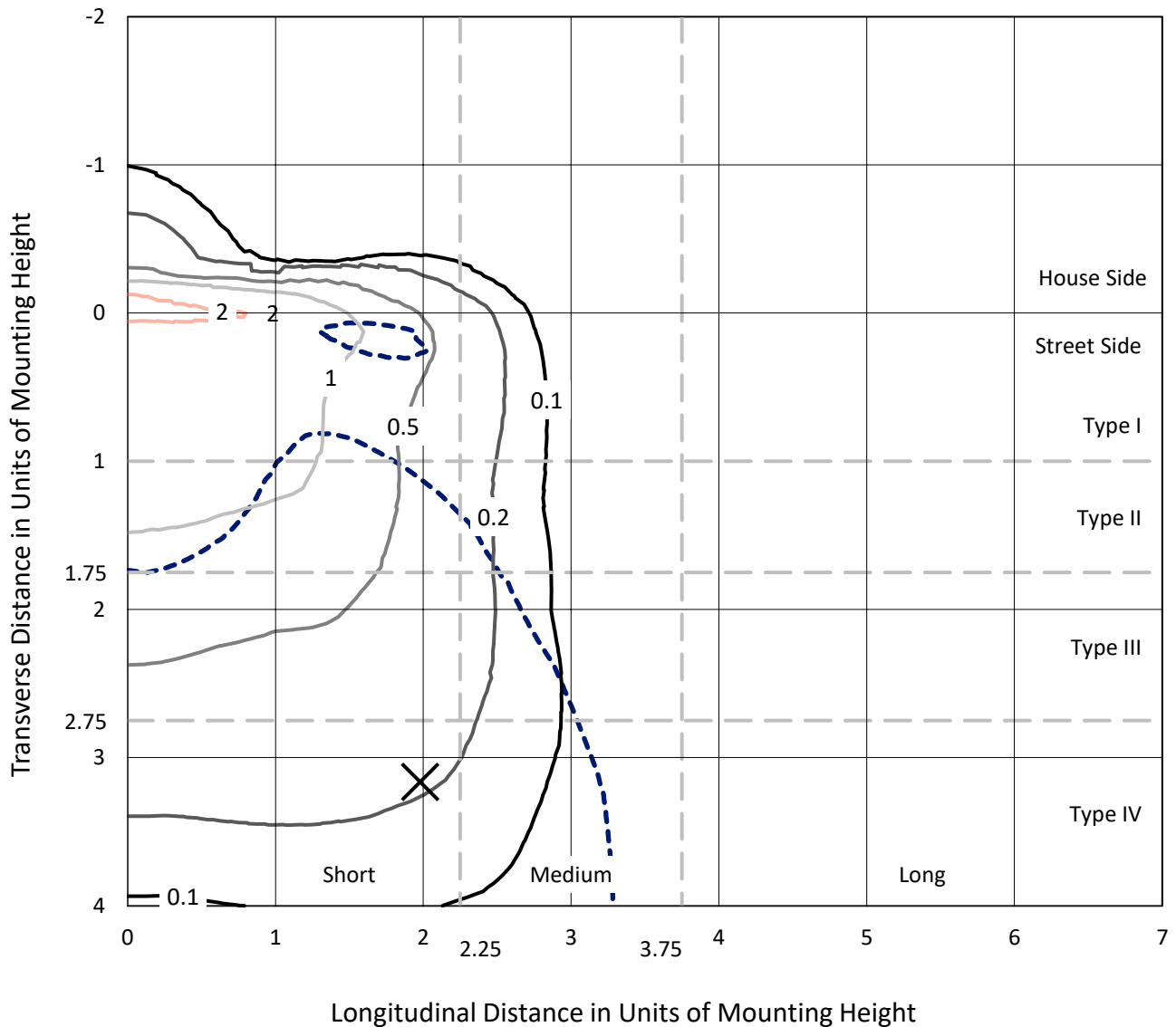
Lumens per Lamp: N/A
Luminaire Lumens: 3202 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

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

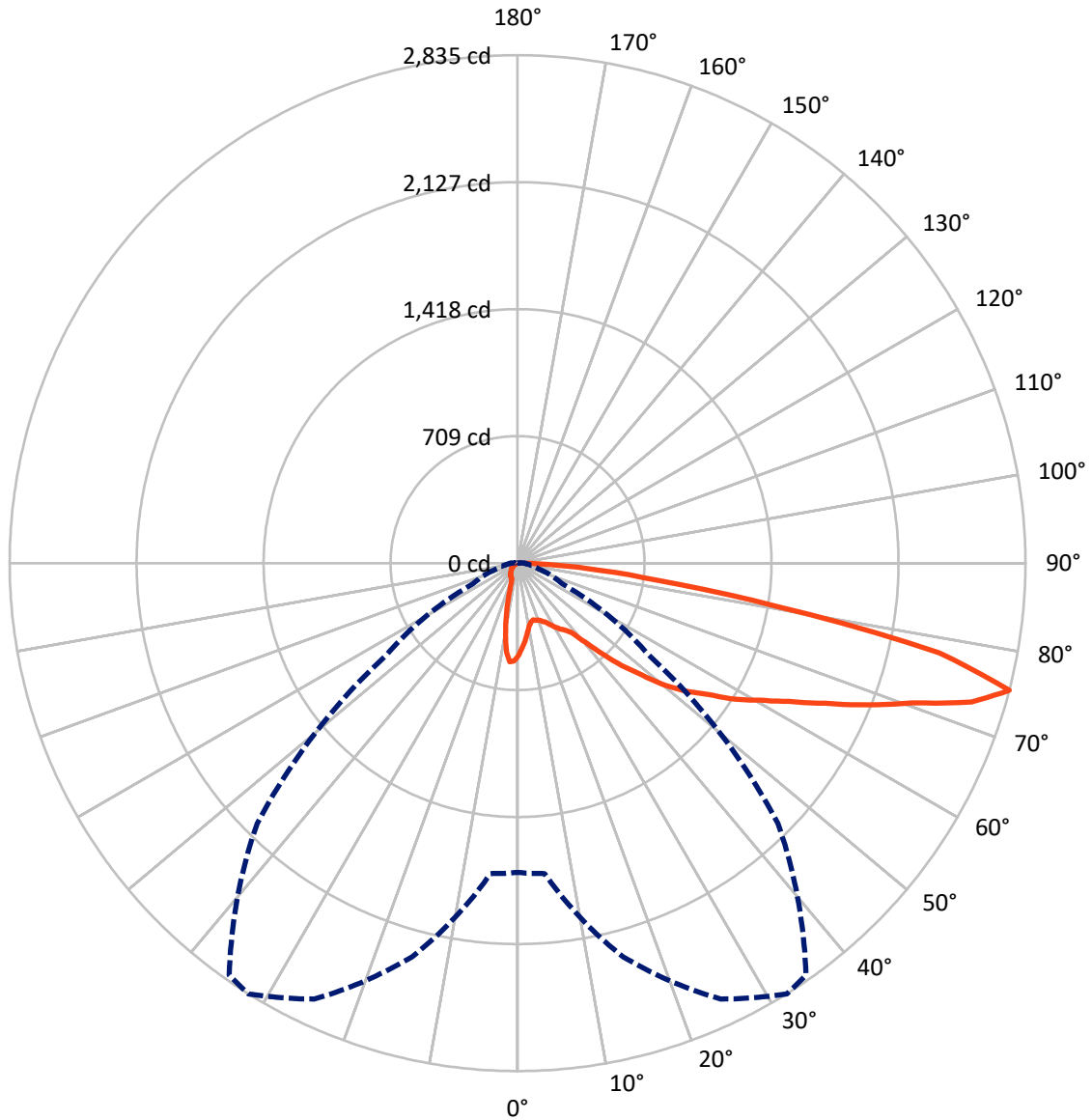
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 32-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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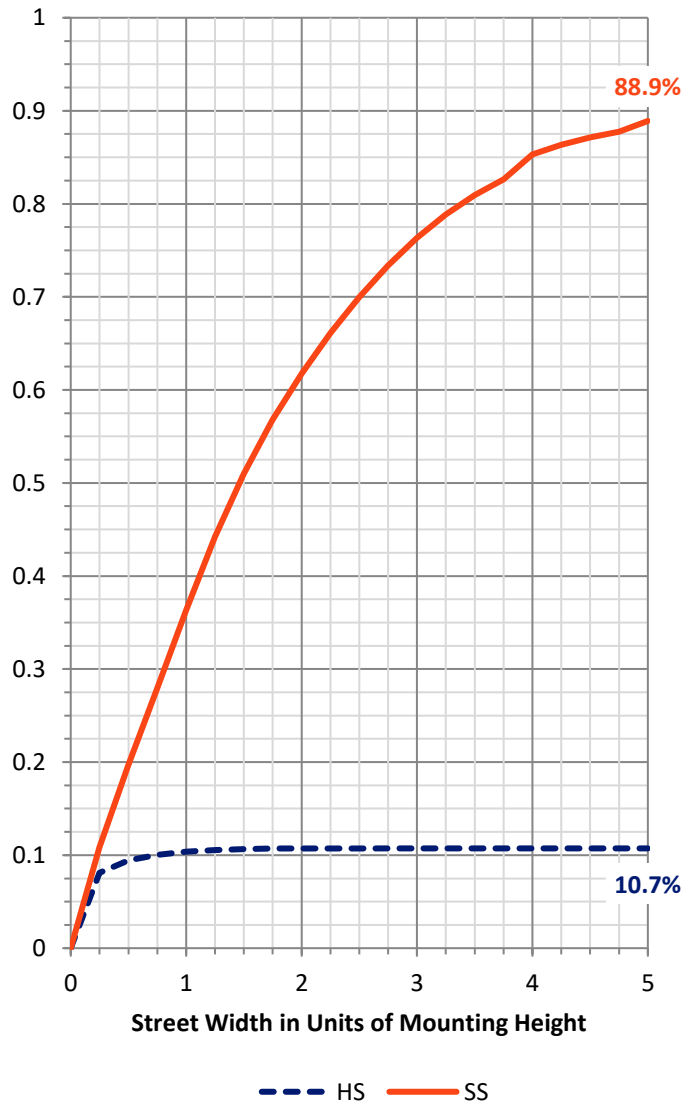
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	345.9	0.0	345.9
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	2856.1	0.0	2856.1
	% Fixture	89.2	0.0	89.2
Total	Lumens	3202.0	0.0	3202.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	1.4
10°-20°	103.1	3.2
20°-30°	154.4	4.8
30°-40°	237.1	7.4
40°-50°	414.6	12.9
50°-60°	648.1	20.2
60°-70°	837.8	26.2
70°-80°	682.4	21.3
80°-90°	79.0	2.5
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°	3202.0	100.0
0°-180°	3202.0	100.0



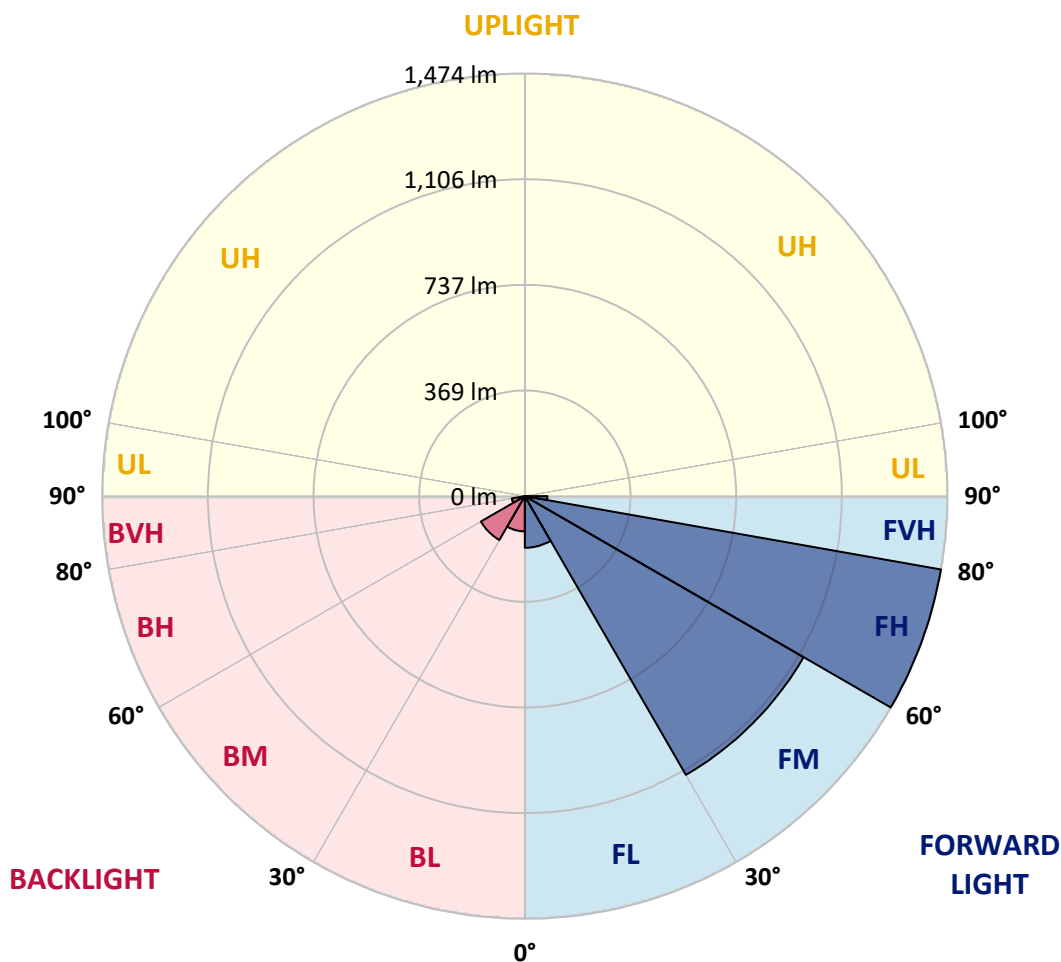
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	180.2	5.6			
FM (30°-60°)	1122.8	35.1			
FH (60°-80°)	1474.2	46.0			G1/1800
FVH (80°-90°)	78.9	2.5			G1/100
BL (0°-30°)	122.9	3.8	B1/500		
BM (30°-60°)	177.0	5.5	B0/220		
BH (60°-80°)	46.0	1.4	B0/110		G0/110
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	517.0	517.0	517.0	517.0	517.0	517.0	517.0	517.0	517.0	517.0	517.0
2.5°	463.7	470.2	469.4	473.5	474.3	476.8	482.6	482.6	499.0	510.5	517.8
5°	421.8	417.7	419.4	424.3	436.6	435.8	449.7	457.1	476.8	493.2	510.5
7.5°	370.1	369.3	372.6	384.1	393.1	400.5	415.3	434.1	460.4	485.0	515.4
10°	337.3	335.7	342.2	345.5	356.2	361.1	384.1	413.6	444.8	480.1	515.4
12.5°	329.9	324.2	327.4	326.6	336.5	338.9	361.1	397.2	435.0	478.5	521.9
15°	334.0	329.9	326.6	326.6	329.1	330.7	354.5	386.5	429.2	480.9	536.7
17.5°	347.1	344.7	334.8	325.0	335.7	335.7	350.4	384.1	430.0	488.3	554.8
20°	362.7	360.3	343.0	331.6	338.9	347.1	362.7	389.8	432.5	494.0	582.7
22.5°	380.0	380.0	356.2	343.0	352.9	353.7	381.6	407.9	442.3	508.8	600.7
25°	401.3	399.7	376.7	361.9	365.2	374.2	399.7	427.6	460.4	529.3	634.4
27.5°	429.2	426.8	399.7	384.9	389.0	398.8	427.6	455.5	476.8	537.5	663.1
30°	452.2	449.7	427.6	405.4	414.4	423.5	457.1	481.7	497.3	553.1	695.9
32.5°	457.1	453.0	438.2	428.4	438.2	455.5	481.7	507.2	531.0	592.5	758.3
35°	513.7	499.0	460.4	444.8	459.6	465.3	508.8	554.0	576.9	623.7	828.1
37.5°	622.1	608.1	557.2	513.7	493.2	499.8	556.4	612.2	634.4	682.0	904.4
40°	755.0	732.0	677.9	619.6	577.8	569.5	606.5	688.5	709.9	755.0	1004.5
42.5°	906.8	884.7	801.0	732.0	689.4	678.7	684.4	777.2	795.2	822.3	1070.2
45°	1016.0	1004.5	910.1	848.6	814.9	803.4	789.5	874.0	897.0	906.0	1165.4
47.5°	1079.2	1071.0	1018.5	976.6	931.5	919.2	928.2	1008.6	993.0	1000.4	1256.5
50°	1163.7	1142.4	1071.0	1084.1	1075.1	1071.8	1087.4	1122.7	1099.7	1078.4	1355.8
52.5°	1231.8	1194.1	1144.0	1176.0	1190.0	1202.3	1257.3	1283.5	1180.9	1148.1	1419.8
55°	1273.7	1237.6	1250.7	1280.3	1295.0	1351.6	1416.5	1396.8	1234.3	1203.9	1505.1
57.5°	1311.4	1313.9	1349.2	1358.2	1433.7	1443.6	1568.3	1504.3	1272.0	1254.8	1538.8
60°	1402.5	1393.5	1422.2	1480.5	1552.7	1607.7	1726.7	1576.5	1290.9	1281.1	1529.7
62.5°	1566.7	1510.9	1520.7	1594.6	1700.4	1760.3	1817.8	1609.3	1286.0	1285.2	1502.7
65°	1775.1	1711.1	1681.6	1750.5	1887.5	1972.1	1920.4	1646.3	1253.2	1276.1	1401.7
67.5°	1948.3	1949.1	1894.1	1932.7	2111.6	2129.6	2017.2	1638.9	1198.2	1204.7	1155.5
70°	2147.7	2174.8	2126.4	2247.0	2336.5	2347.9	2128.0	1578.2	1080.0	908.5	663.9
72.5°	2198.6	2212.5	2363.5	2549.0	2650.0	2653.2	2237.2	1375.4	710.7	401.3	206.0
75°	1726.7	1739.8	2274.9	2685.2	2835.4	2806.7	2055.0	892.9	276.6	117.4	49.2
77.5°	963.5	967.6	1412.4	2170.7	2405.4	2289.7	1439.5	348.0	111.6	67.3	23.0
80°	263.4	309.4	523.6	1070.2	1469.0	1441.9	685.3	113.3	72.2	52.5	10.7
82.5°	63.2	68.1	168.2	473.5	776.4	810.0	204.3	57.4	50.1	43.5	5.7
85°	23.0	25.4	51.7	230.6	398.8	366.0	61.6	28.7	36.9	33.6	2.5
87.5°	8.2	8.2	16.4	75.5	116.5	87.8	20.5	9.8	18.9	20.5	0.8
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°	517.0	517.0	517.0	517.0	517.0	517.0	517.0	517.0	517.0	517.0	517.0
2.5°	518.7	518.7	530.2	540.0	543.3	547.4	543.3	552.3	551.5	547.4	549.0
5°	519.5	534.3	544.1	550.7	554.0	553.1	554.8	544.9	539.2	535.1	531.0
7.5°	523.6	537.5	555.6	554.0	544.9	526.1	511.3	485.0	459.6	458.8	454.7
10°	537.5	549.9	560.5	554.0	521.1	463.7	416.9	381.6	349.6	334.8	336.5
12.5°	547.4	570.4	565.4	531.8	463.7	388.2	319.2	267.5	238.8	211.7	211.7
15°	567.9	576.1	574.5	499.8	393.1	302.8	219.1	166.6	136.2	123.9	122.3
17.5°	587.6	596.6	568.7	451.4	323.3	203.5	132.9	103.4	99.3	97.7	98.5
20°	612.2	613.0	563.8	403.0	242.9	128.8	95.2	92.7	93.6	92.7	92.7
22.5°	638.5	644.2	546.6	334.8	161.7	93.6	88.6	89.5	89.5	89.5	91.9
25°	673.0	663.9	519.5	270.0	105.9	86.2	86.2	87.0	87.0	87.0	87.8
27.5°	695.9	683.6	485.0	194.5	82.9	81.2	82.9	82.9	84.5	84.5	84.5
30°	743.5	711.5	441.5	125.6	74.7	77.1	78.8	80.4	81.2	82.9	83.7
32.5°	780.5	736.1	387.4	83.7	68.1	69.8	73.9	77.1	80.4	79.6	79.6
35°	847.8	776.4	337.3	66.5	62.4	62.4	66.5	72.2	77.1	78.8	78.8
37.5°	924.9	809.2	267.5	60.7	57.4	57.4	59.9	66.5	73.0	76.3	74.7
40°	988.9	846.9	197.8	56.6	53.3	53.3	55.0	59.9	67.3	73.0	73.9
42.5°	1034.0	874.8	133.8	52.5	50.1	49.2	51.7	54.2	59.9	68.1	69.8
45°	1075.1	889.6	82.9	48.4	46.8	46.8	46.8	49.2	53.3	60.7	62.4
47.5°	1148.1	906.0	59.9	45.1	42.7	43.5	44.3	45.1	48.4	50.1	50.9
50°	1209.7	918.3	49.2	41.9	40.2	41.0	41.0	41.0	42.7	40.2	40.2
52.5°	1256.5	906.0	41.9	38.6	36.9	37.8	36.9	36.9	35.3	32.0	32.0
55°	1290.9	883.9	33.6	35.3	35.3	35.3	33.6	31.2	27.9	25.4	25.4
57.5°	1299.9	846.1	26.3	29.5	32.0	32.0	28.7	25.4	21.3	18.9	18.1
60°	1286.0	764.0	19.7	21.3	24.6	25.4	23.0	18.9	14.8	12.3	12.3
62.5°	1235.9	699.2	15.6	14.0	18.1	18.9	16.4	12.3	8.2	5.7	4.9
65°	1140.7	599.1	11.5	9.8	12.3	13.1	10.7	5.7	2.5	0.8	0.0
67.5°	915.1	451.4	7.4	6.6	8.2	8.2	4.9	1.6	0.0	0.0	0.0
70°	506.4	253.6	4.9	3.3	4.1	2.5	0.8	0.0	0.0	0.0	0.0
72.5°	146.1	72.2	2.5	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0
75°	39.4	17.2	1.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	17.2	6.6	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	7.4	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	4.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)