

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: P674891

Luminaire Tested: **CCW-SA-1C-835-U-T2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674891
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1C-835-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
T2 distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

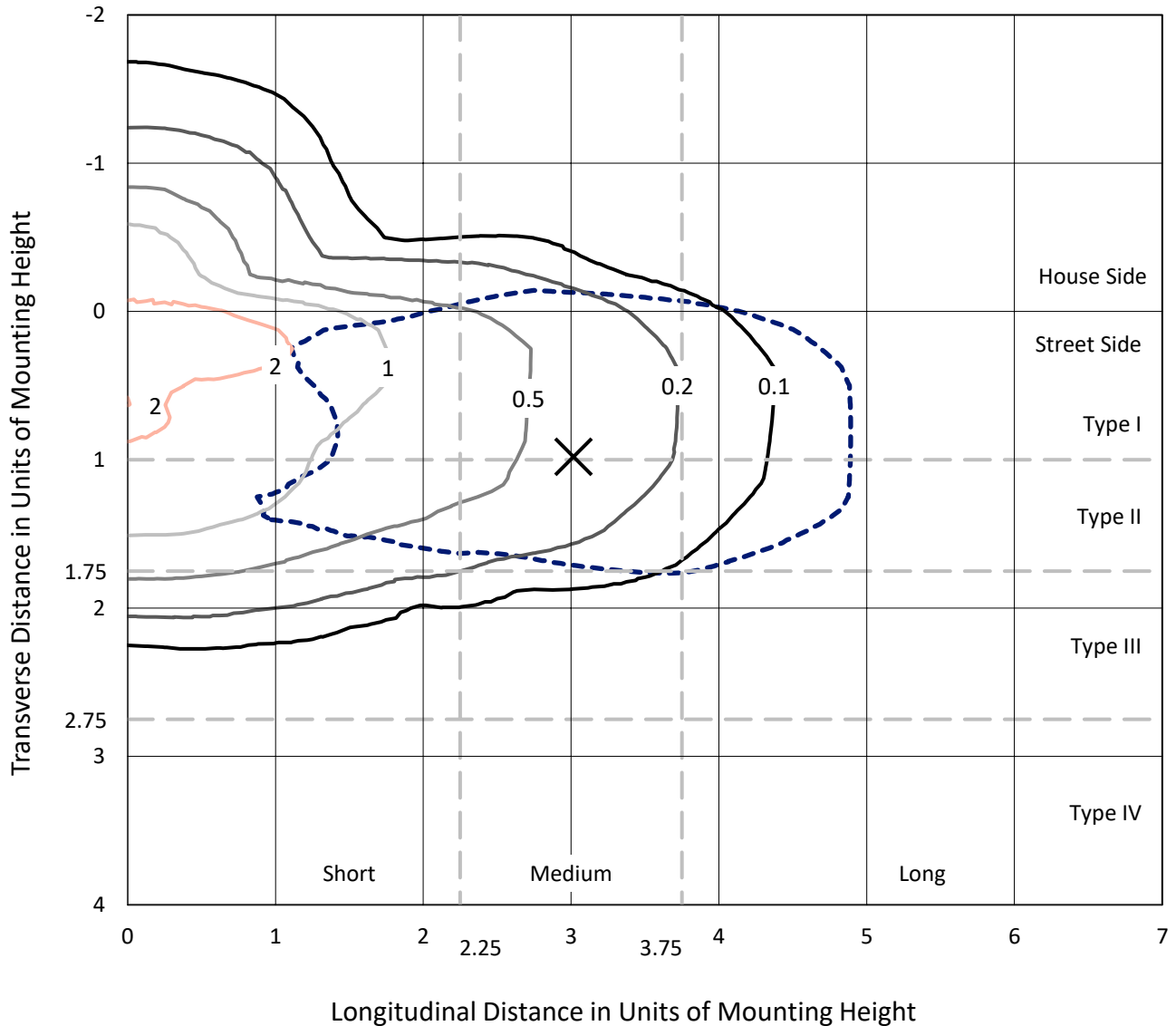
Lumens per Lamp: N/A
Luminaire Lumens: 3716.2 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

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

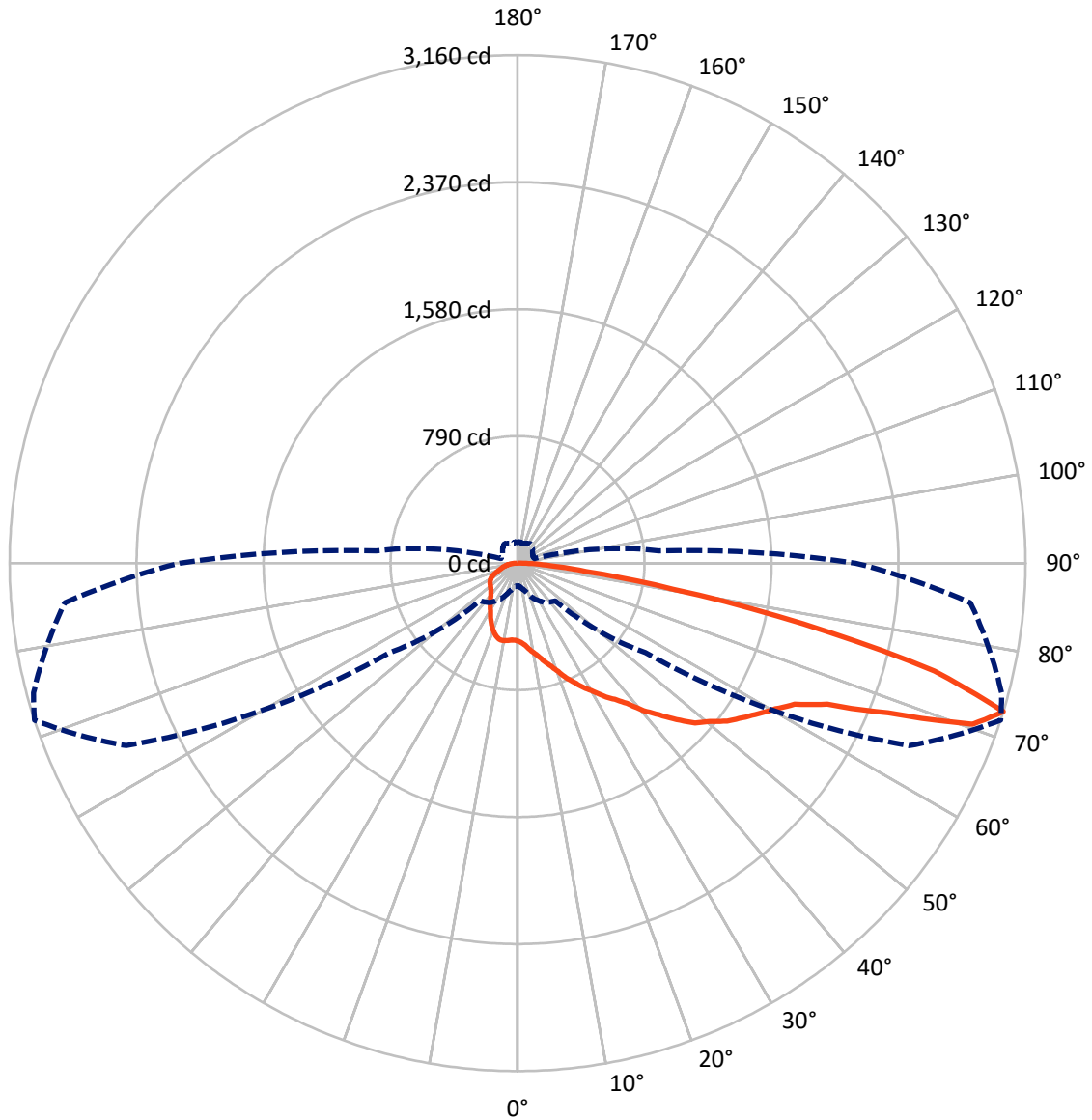
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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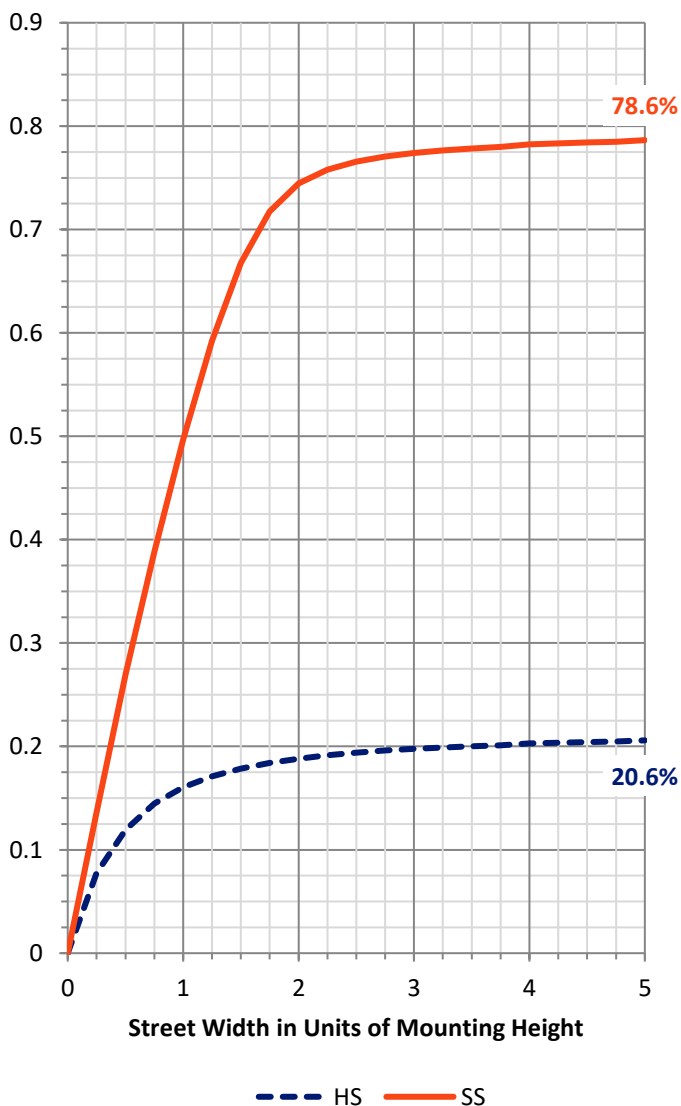
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	782.1	0.0	782.1
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	2934.1	0.0	2934.1
	% Fixture	79.0	0.0	79.0
Total	Lumens	3716.2	0.0	3716.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.0	1.3
10°-20°	149.1	4.0
20°-30°	258.1	6.9
30°-40°	381.2	10.3
40°-50°	566.8	15.3
50°-60°	777.1	20.9
60°-70°	842.9	22.7
70°-80°	594.3	16.0
80°-90°	98.7	2.7
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°	3716.2	100.0
0°-180°	3716.2	100.0

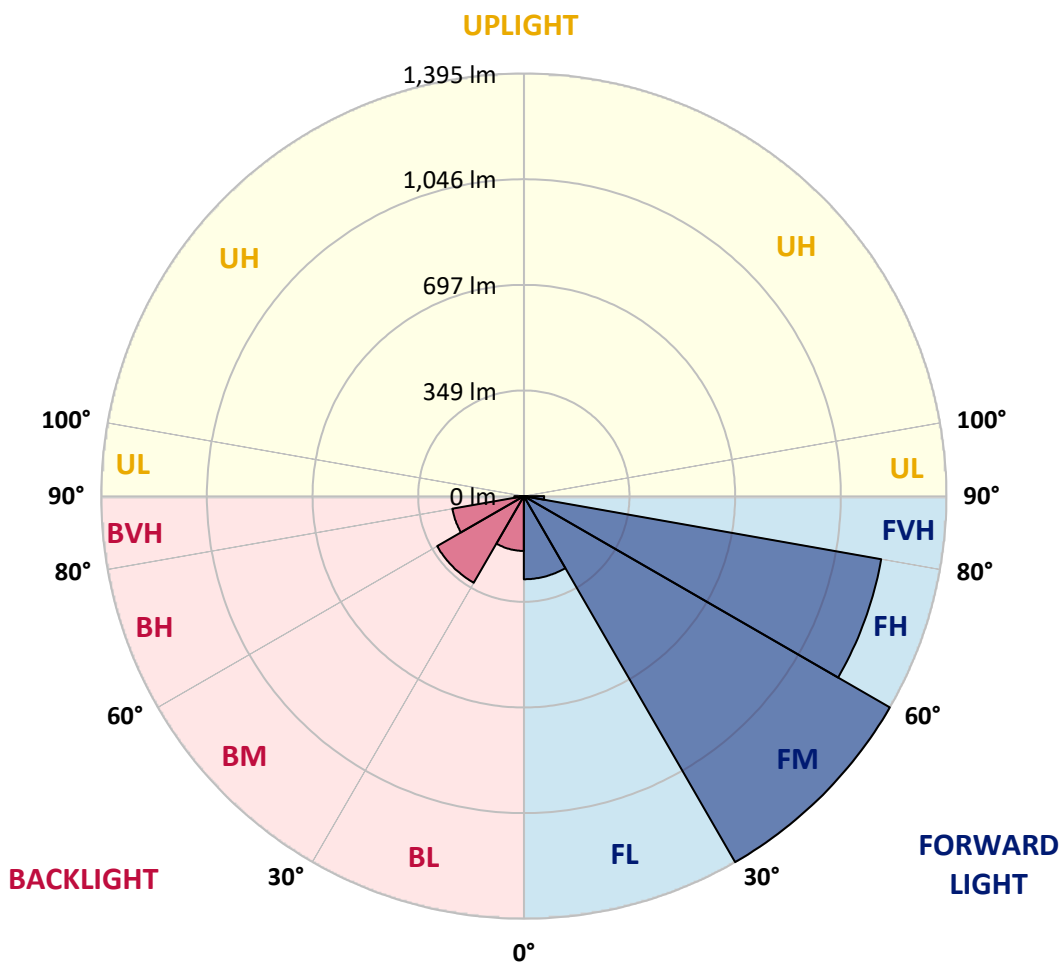


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	274.4	7.4			
FM (30°-60°)	1394.8	37.5			
FH (60°-80°)	1197.6	32.2			G1/1800
FVH (80°-90°)	67.3	1.8			G1/100
BL (0°-30°)	180.8	4.9	B1/500		
BM (30°-60°)	330.3	8.9	B1/1000		
BH (60°-80°)	239.6	6.4	B1/500		G1/500
BVH (80°-90°)	31.4	0.8			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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	523.8	523.8	519.7	518.4	518.4	507.4	508.8	501.9	496.4	496.4	490.9
5°	551.3	548.5	548.5	548.5	541.7	537.6	536.2	523.8	514.2	515.6	499.2
7.5°	558.1	559.5	560.9	567.7	563.6	566.3	563.6	549.9	543.0	536.2	521.1
10°	562.2	565.0	565.0	574.6	574.6	581.4	585.5	580.1	567.7	560.9	536.2
12.5°	571.8	567.7	573.2	580.1	586.9	599.3	611.6	606.1	597.9	589.7	562.2
15°	571.8	573.2	577.3	588.3	599.3	611.6	633.5	641.8	637.7	622.6	593.8
17.5°	555.4	551.3	570.5	591.0	611.6	626.7	655.5	674.7	671.9	666.5	622.6
20°	556.8	560.9	567.7	585.5	618.5	645.9	681.5	713.1	719.9	717.2	661.0
22.5°	581.4	582.8	589.7	597.9	623.9	659.6	713.1	763.8	776.2	769.3	703.5
25°	606.1	617.1	617.1	622.6	632.2	669.2	733.6	805.0	822.8	824.2	747.4
27.5°	645.9	648.6	656.9	659.6	667.8	689.8	757.0	835.1	876.3	870.8	787.1
30°	692.5	693.9	699.4	696.6	698.0	725.4	778.9	869.4	925.6	927.0	829.6
32.5°	747.4	758.3	761.1	743.2	746.0	752.8	813.2	910.5	987.3	977.7	866.7
35°	828.3	832.4	824.2	815.9	795.4	791.2	848.8	951.7	1040.8	1051.8	921.5
37.5°	928.4	939.3	928.4	884.5	862.6	846.1	892.7	996.9	1105.3	1142.3	976.4
40°	1021.6	1020.3	1009.3	969.5	931.1	918.8	955.8	1060.0	1205.4	1241.0	1055.9
42.5°	1097.0	1092.9	1086.1	1055.9	1020.3	999.7	1028.5	1125.8	1289.0	1357.6	1147.8
45°	1162.9	1157.4	1158.8	1124.5	1090.2	1101.2	1101.2	1201.3	1387.8	1472.8	1253.4
47.5°	1224.6	1227.3	1223.2	1197.2	1171.1	1199.9	1184.8	1287.7	1485.1	1579.7	1342.5
50°	1295.9	1301.4	1287.7	1271.2	1247.9	1276.7	1257.5	1368.6	1548.2	1677.1	1449.5
52.5°	1363.1	1368.6	1380.9	1360.3	1337.0	1360.3	1316.5	1444.0	1631.9	1771.7	1531.7
55°	1379.5	1376.8	1445.4	1467.3	1479.6	1409.7	1368.6	1508.4	1697.7	1832.1	1625.0
57.5°	1304.1	1311.0	1404.2	1467.3	1598.9	1538.6	1427.5	1583.9	1766.2	1911.6	1711.4
60°	1116.2	1120.4	1236.9	1386.4	1578.4	1659.3	1586.6	1681.2	1841.7	1978.8	1808.8
62.5°	746.0	777.5	922.9	1157.4	1433.0	1692.2	1840.3	1845.8	1933.5	2063.8	1941.8
65°	393.6	408.6	522.5	711.7	1086.1	1578.4	2078.9	2172.1	2117.3	2220.1	2133.8
67.5°	257.8	263.3	325.0	432.0	626.7	1151.9	2106.3	2738.5	2486.2	2517.7	2440.9
70°	192.0	194.7	240.0	319.5	388.1	615.7	1726.5	3003.2	3001.8	2918.1	2805.7
72.5°	141.2	145.4	176.9	244.1	298.9	331.9	970.9	2686.4	3159.5	3117.0	2827.6
75°	111.1	113.8	130.3	189.2	241.3	218.0	492.3	1989.8	2679.5	2883.9	2587.7
77.5°	90.5	93.2	102.8	137.1	193.4	168.7	235.9	1283.5	1817.0	2076.2	1980.2
80°	75.4	75.4	82.3	97.4	149.5	127.5	139.9	721.3	979.1	1080.6	898.2
82.5°	64.5	63.1	68.6	71.3	111.1	91.9	90.5	326.4	430.6	456.6	337.3
85°	41.1	42.5	64.5	61.7	72.7	63.1	50.7	155.0	203.0	207.1	126.2
87.5°	16.5	16.5	27.4	34.3	41.1	38.4	24.7	69.9	89.1	89.1	35.7
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°	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4	485.4
2.5°	489.6	484.1	480.0	477.2	470.4	463.5	464.9	463.5	458.0	455.3	455.3
5°	495.0	489.6	482.7	471.7	464.9	456.6	459.4	453.9	448.4	452.5	445.7
7.5°	508.8	499.2	489.6	473.1	462.1	449.8	444.3	441.6	437.4	434.7	434.7
10°	528.0	514.2	496.4	471.7	453.9	434.7	432.0	426.5	422.4	422.4	421.0
12.5°	547.2	532.1	501.9	462.1	432.0	418.2	416.9	418.2	421.0	422.4	423.7
15°	571.8	547.2	500.5	444.3	414.1	408.6	415.5	421.0	426.5	432.0	430.6
17.5°	595.1	566.3	488.2	422.4	399.1	400.4	412.8	423.7	434.7	440.2	441.6
20°	626.7	584.2	470.4	396.3	384.0	396.3	412.8	426.5	438.8	445.7	447.0
22.5°	662.3	604.7	447.0	373.0	371.6	384.0	400.4	421.0	434.7	447.0	445.7
25°	693.9	618.5	416.9	353.8	356.5	364.8	384.0	405.9	419.6	433.3	429.2
27.5°	714.5	621.2	385.3	340.1	340.1	348.3	366.1	379.9	392.2	403.2	404.5
30°	737.8	615.7	349.7	322.3	322.3	333.2	340.1	348.3	355.2	357.9	360.7
32.5°	765.2	603.4	327.7	308.5	308.5	316.8	320.9	318.1	316.8	309.9	314.0
35°	791.2	585.5	303.1	290.7	296.2	300.3	298.9	290.7	282.5	270.1	266.0
37.5°	822.8	567.7	281.1	271.5	281.1	282.5	282.5	272.9	261.9	246.8	246.8
40°	870.8	554.0	263.3	259.2	268.8	267.4	260.5	253.7	257.8	249.6	249.6
42.5°	921.5	548.5	246.8	248.2	252.3	253.7	246.8	238.6	255.1	245.5	246.8
45°	984.6	552.6	235.9	234.5	244.1	242.7	238.6	231.8	237.2	212.6	205.7
47.5°	1043.6	560.9	230.4	224.9	235.9	238.6	233.1	218.0	209.8	194.7	192.0
50°	1097.0	578.7	224.9	213.9	224.9	230.4	220.8	204.3	194.7	185.1	185.1
52.5°	1147.8	604.7	222.2	201.6	211.2	218.0	212.6	196.1	185.1	181.0	176.9
55°	1199.9	628.1	218.0	193.4	196.1	209.8	208.4	186.5	175.5	175.5	174.2
57.5°	1273.9	659.6	212.6	179.6	185.1	200.2	200.2	182.4	170.0	171.4	172.8
60°	1349.4	696.6	207.1	165.9	170.0	190.6	193.4	176.9	165.9	167.3	165.9
62.5°	1470.0	765.2	196.1	149.5	157.7	178.3	185.1	170.0	160.4	163.2	163.2
65°	1652.4	883.1	172.8	135.8	145.4	167.3	176.9	163.2	152.2	160.4	157.7
67.5°	1945.9	1044.9	145.4	124.8	137.1	156.3	167.3	155.0	145.4	157.7	153.6
70°	2209.2	1124.5	124.8	115.2	124.8	144.0	156.3	146.7	137.1	149.5	144.0
72.5°	2102.2	881.7	108.3	104.2	113.8	130.3	145.4	135.8	126.2	133.0	127.5
75°	1814.2	702.1	94.6	93.2	101.5	117.9	133.0	126.2	116.6	119.3	116.6
77.5°	1375.4	580.1	80.9	79.5	86.4	105.6	119.3	113.8	104.2	102.8	102.8
80°	614.3	285.2	67.2	67.2	71.3	90.5	101.5	98.7	89.1	87.8	86.4
82.5°	201.6	108.3	54.9	52.1	57.6	75.4	90.5	87.8	78.2	75.4	72.7
85°	80.9	52.1	39.8	39.8	45.3	63.1	80.9	75.4	63.1	56.2	56.2
87.5°	27.4	21.9	20.6	20.6	28.8	42.5	60.3	50.7	45.3	39.8	41.1
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)