

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: P675036

Luminaire Tested: **CCW-SA-1D-835-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675036
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-835-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
T3 distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

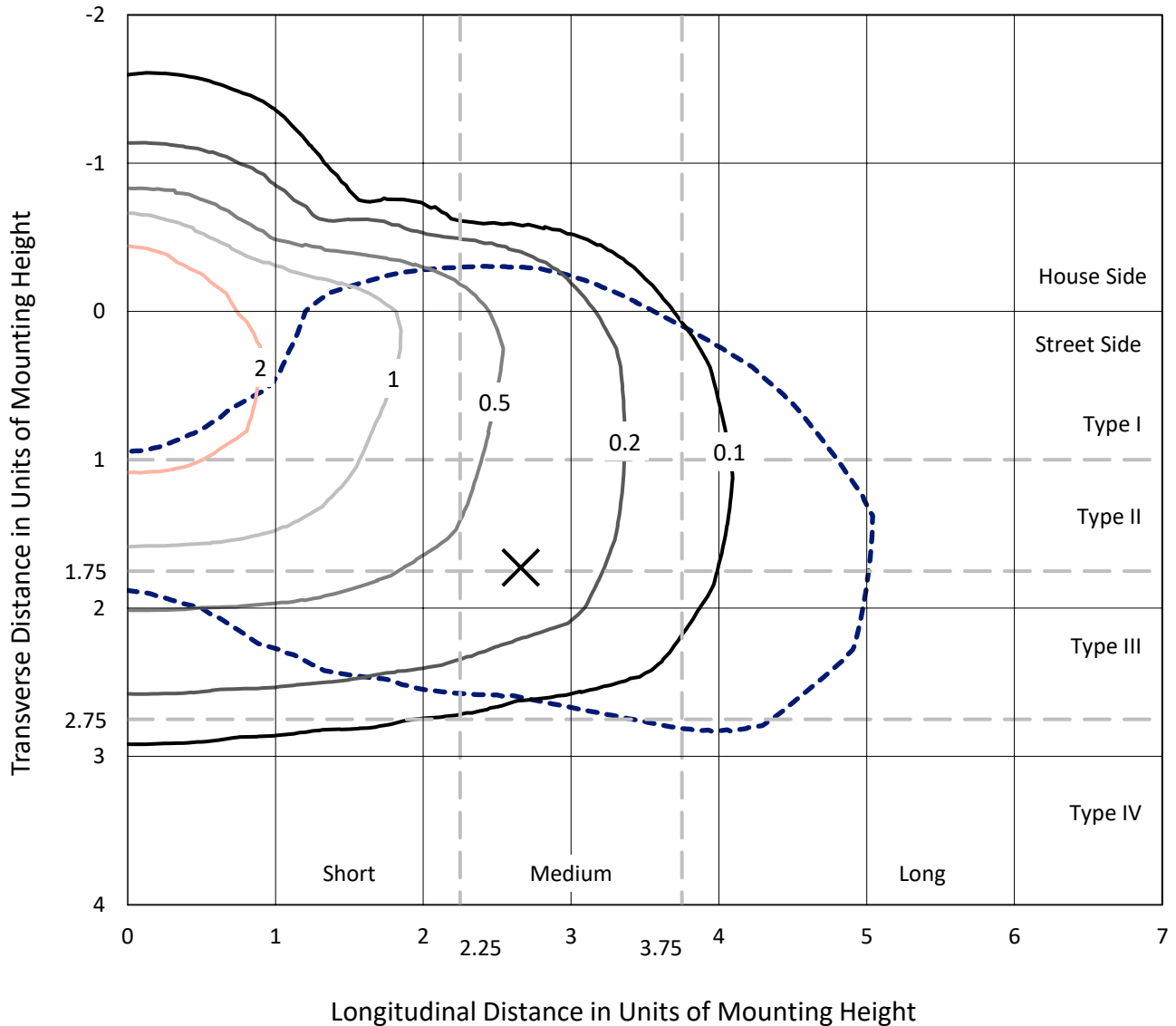
Lumens per Lamp: N/A
Luminaire Lumens: 4643.1 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

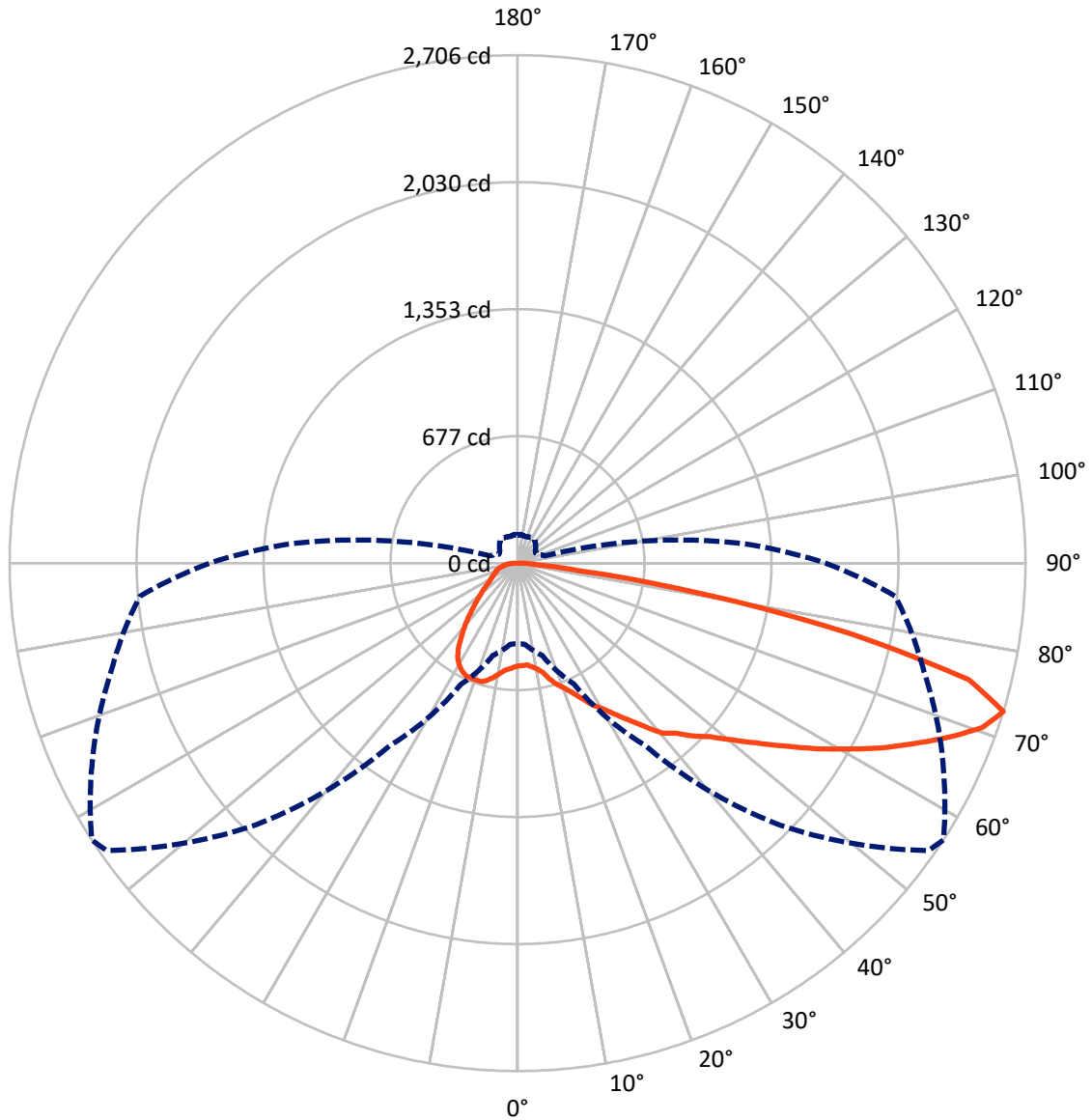
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 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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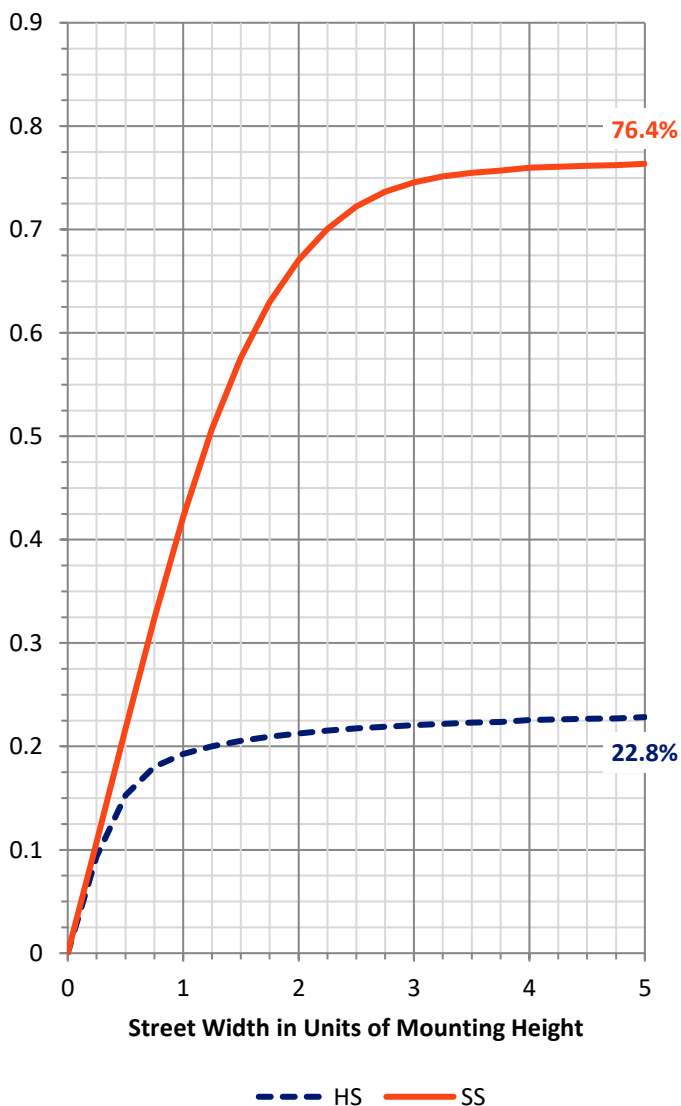
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1084.3	0.0	1084.3
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	3558.8	0.0	3558.8
	% Fixture	76.6	0.0	76.6
Total	Lumens	4643.1	0.0	4643.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.4	1.2
10°-20°	183.3	3.9
20°-30°	335.1	7.2
30°-40°	491.7	10.6
40°-50°	677.0	14.6
50°-60°	928.4	20.0
60°-70°	1119.1	24.1
70°-80°	745.5	16.1
80°-90°	108.6	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°	4643.1	100.0
0°-180°	4643.1	100.0



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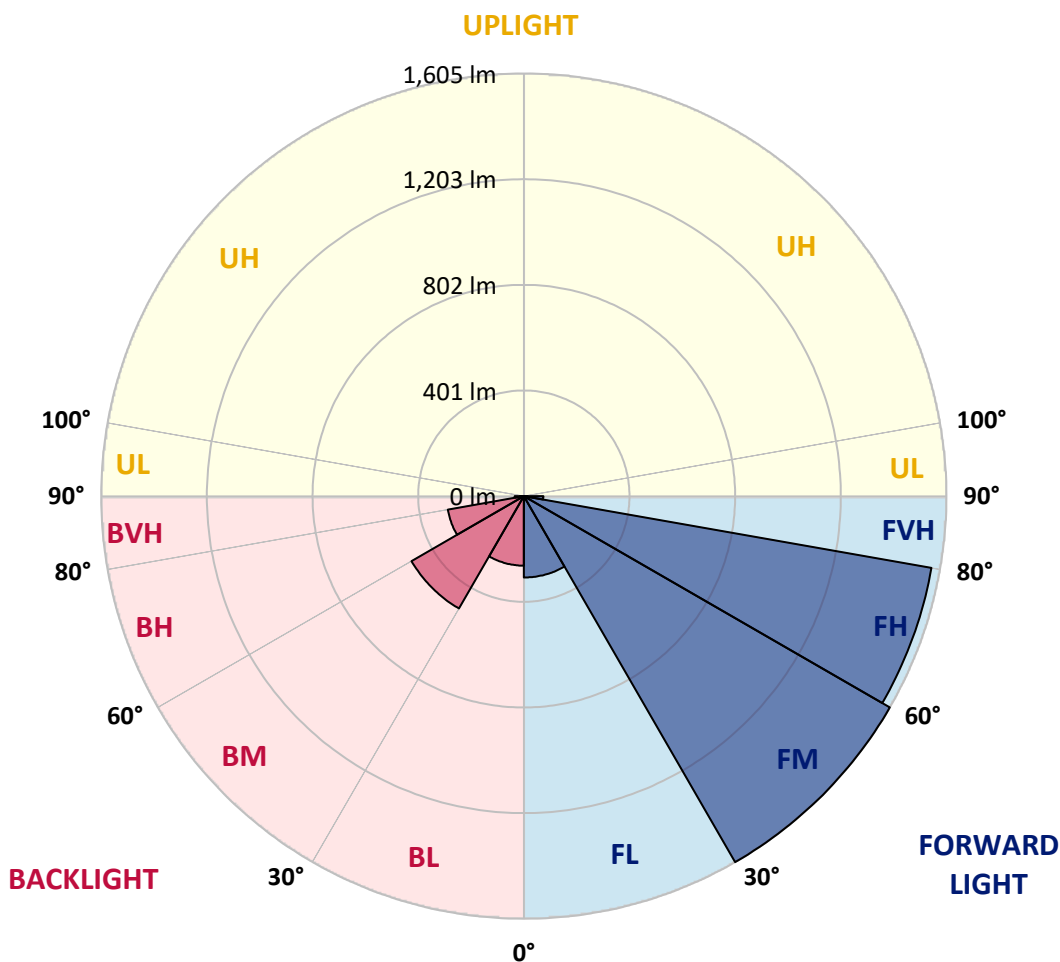
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	308.9	6.7			
FM (30°-60°)	1604.6	34.6			
FH (60°-80°)	1571.4	33.8			G1/1800
FVH (80°-90°)	73.9	1.6			G1/100
BL (0°-30°)	264.0	5.7	B1/500		
BM (30°-60°)	492.5	10.6	B1/1000		
BH (60°-80°)	293.2	6.3	B1/500		G1/500
BVH (80°-90°)	34.6	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°	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0
2.5°	537.9	539.6	543.0	541.3	541.3	536.2	544.6	546.3	543.0	544.6	548.0
5°	537.9	541.3	546.3	543.0	544.6	543.0	539.6	544.6	544.6	546.3	551.4
7.5°	566.6	564.9	564.9	559.9	558.2	556.5	558.2	558.2	554.8	556.5	556.5
10°	598.8	598.8	595.4	595.4	592.0	583.6	575.1	573.4	568.3	570.0	570.0
12.5°	632.6	636.0	639.4	629.2	625.8	612.3	607.2	597.1	597.1	593.7	592.0
15°	674.9	669.8	673.2	669.8	661.4	647.8	639.4	641.1	629.2	625.8	620.8
17.5°	712.1	713.8	708.7	705.3	690.1	680.0	681.7	680.0	664.7	659.7	651.2
20°	756.1	754.4	754.4	744.2	730.7	717.2	712.1	710.4	713.8	703.6	683.3
22.5°	801.7	795.0	795.0	786.5	767.9	759.5	756.1	749.3	752.7	744.2	713.8
25°	839.0	839.0	850.8	833.9	823.7	806.8	800.1	801.7	803.4	786.5	751.0
27.5°	888.0	879.6	891.4	882.9	877.9	859.3	850.8	855.9	852.5	833.9	784.8
30°	950.6	952.3	945.5	933.7	926.9	913.4	908.3	903.2	908.3	884.6	822.0
32.5°	1028.4	1033.5	1016.6	1003.0	991.2	977.7	967.5	962.4	967.5	932.0	850.8
35°	1118.1	1123.1	1109.6	1094.4	1080.8	1047.0	1038.6	1030.1	1011.5	954.0	877.9
37.5°	1200.9	1194.2	1190.8	1190.8	1165.4	1116.4	1111.3	1106.2	1070.7	998.0	915.1
40°	1256.8	1265.2	1261.8	1258.4	1255.1	1209.4	1199.2	1190.8	1131.6	1063.9	967.5
42.5°	1319.3	1314.3	1327.8	1332.9	1321.0	1307.5	1266.9	1238.1	1185.7	1131.6	1045.3
45°	1393.8	1390.4	1395.5	1414.1	1397.1	1402.2	1334.6	1314.3	1248.3	1216.2	1143.4
47.5°	1459.7	1468.2	1493.6	1498.6	1485.1	1508.8	1414.1	1381.9	1339.6	1314.3	1244.9
50°	1488.5	1498.6	1556.1	1591.7	1593.4	1630.6	1493.6	1480.0	1422.5	1432.7	1371.8
52.5°	1464.8	1496.9	1566.3	1659.3	1716.8	1754.0	1598.4	1591.7	1539.2	1571.4	1510.5
55°	1486.8	1517.2	1562.9	1693.1	1838.6	1847.1	1743.9	1718.5	1666.1	1710.1	1654.2
57.5°	1496.9	1480.0	1566.3	1730.4	1928.3	1950.2	1882.6	1864.0	1823.4	1865.7	1833.5
60°	1417.4	1437.7	1518.9	1720.2	1933.3	2060.2	2038.2	2011.1	1973.9	2012.8	1994.2
62.5°	1327.8	1341.3	1429.3	1659.3	1962.1	2139.7	2188.7	2168.4	2116.0	2149.8	2182.0
65°	1214.5	1216.2	1314.3	1551.1	1906.3	2185.4	2320.7	2319.0	2281.8	2273.3	2324.1
67.5°	1075.8	1089.3	1167.1	1436.0	1830.2	2236.1	2450.9	2476.3	2401.9	2335.9	2354.5
70°	825.4	839.0	913.4	1177.3	1674.5	2220.9	2611.6	2625.1	2479.7	2312.2	2264.9
72.5°	429.6	433.0	509.1	710.4	1187.4	1972.2	2670.8	2706.3	2500.0	2242.9	2019.6
75°	142.1	142.1	174.2	270.6	559.9	1261.8	2418.8	2483.1	2400.2	2070.3	1652.6
77.5°	84.6	86.3	103.2	135.3	223.3	504.1	1705.0	1818.3	1963.8	1760.8	1207.7
80°	60.9	62.6	77.8	93.0	133.6	162.4	855.9	1013.2	1206.0	1133.3	644.4
82.5°	45.7	45.7	60.9	69.3	91.3	96.4	238.5	326.5	521.0	405.9	177.6
85°	47.4	47.4	47.4	49.1	62.6	55.8	99.8	106.6	152.2	133.6	49.1
87.5°	16.9	18.6	47.4	32.1	32.1	23.7	38.9	42.3	54.1	55.8	18.6
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°	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0	548.0
2.5°	549.7	549.7	551.4	551.4	554.8	558.2	563.3	559.9	559.9	561.6	559.9
5°	548.0	549.7	554.8	563.3	566.6	568.3	578.5	578.5	578.5	581.9	581.9
7.5°	554.8	558.2	566.6	575.1	576.8	581.9	595.4	598.8	607.2	610.6	612.3
10°	571.7	576.8	583.6	593.7	600.5	607.2	617.4	629.2	627.5	637.7	639.4
12.5°	597.1	595.4	607.2	617.4	624.1	634.3	637.7	637.7	637.7	637.7	641.1
15°	617.4	620.8	630.9	637.7	646.1	644.4	637.7	630.9	632.6	630.9	630.9
17.5°	647.8	647.8	656.3	658.0	661.4	644.4	634.3	634.3	639.4	639.4	636.0
20°	678.3	676.6	680.0	678.3	656.3	636.0	634.3	636.0	637.7	636.0	634.3
22.5°	707.0	703.6	698.6	691.8	652.9	634.3	630.9	622.5	614.0	614.0	608.9
25°	732.4	729.0	715.5	695.2	651.2	624.1	607.2	586.9	576.8	571.7	578.5
27.5°	756.1	749.3	730.7	695.2	636.0	597.1	564.9	539.6	531.1	524.4	531.1
30°	788.2	776.4	751.0	690.1	612.3	554.8	510.8	480.4	471.9	461.8	465.2
32.5°	817.0	789.9	767.9	674.9	581.9	507.4	456.7	426.2	411.0	402.6	409.3
35°	847.4	820.4	774.7	651.2	534.5	449.9	399.2	370.4	358.6	346.7	346.7
37.5°	877.9	862.6	784.8	607.2	477.0	395.8	350.1	328.1	307.8	285.9	285.9
40°	942.1	921.8	796.7	556.5	419.5	343.4	311.2	282.5	262.2	231.7	230.0
42.5°	1009.8	965.8	796.7	495.6	368.7	306.2	275.7	245.3	208.0	189.4	191.1
45°	1096.1	1045.3	774.7	441.5	318.0	275.7	241.9	203.0	186.1	174.2	174.2
47.5°	1204.3	1124.8	747.6	382.3	277.4	248.6	206.4	182.7	170.8	160.7	159.0
50°	1332.9	1197.6	713.8	331.5	243.6	223.3	187.8	169.1	159.0	152.2	152.2
52.5°	1468.2	1304.1	690.1	285.9	216.5	189.4	174.2	162.4	153.9	148.8	147.2
55°	1605.2	1410.7	673.2	236.8	191.1	174.2	170.8	160.7	157.3	152.2	148.8
57.5°	1759.1	1498.6	669.8	203.0	170.8	167.5	174.2	165.8	160.7	155.6	150.5
60°	1924.9	1617.0	639.4	175.9	160.7	164.1	169.1	160.7	157.3	152.2	148.8
62.5°	2088.9	1705.0	556.5	155.6	150.5	153.9	160.7	153.9	148.8	150.5	152.2
65°	2156.6	1711.8	431.3	140.4	138.7	140.4	150.5	148.8	143.8	153.9	153.9
67.5°	2088.9	1650.9	304.5	126.9	126.9	135.3	152.2	155.6	150.5	164.1	162.4
70°	1935.0	1500.3	206.4	118.4	121.8	143.8	157.3	153.9	147.2	164.1	160.7
72.5°	1642.4	1200.9	150.5	109.9	115.0	137.0	155.6	152.2	147.2	153.9	147.2
75°	1233.1	854.2	118.4	99.8	101.5	123.5	160.7	152.2	138.7	135.3	130.2
77.5°	823.7	527.7	91.3	88.0	88.0	108.3	153.9	142.1	125.2	120.1	118.4
80°	392.4	211.4	72.7	74.4	76.1	93.0	140.4	126.9	113.3	106.6	106.6
82.5°	125.2	79.5	60.9	60.9	60.9	76.1	116.7	106.6	98.1	93.0	84.6
85°	44.0	44.0	52.4	54.1	49.1	55.8	96.4	91.3	81.2	67.7	66.0
87.5°	16.9	25.4	35.5	42.3	30.4	38.9	69.3	64.3	59.2	44.0	42.3
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)