

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: P676694

Luminaire Tested: **CCW-SA-2E-730-U-T4W-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676694
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2E-730-U-T4W-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/
T4W distribution lens and House Side Shield
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

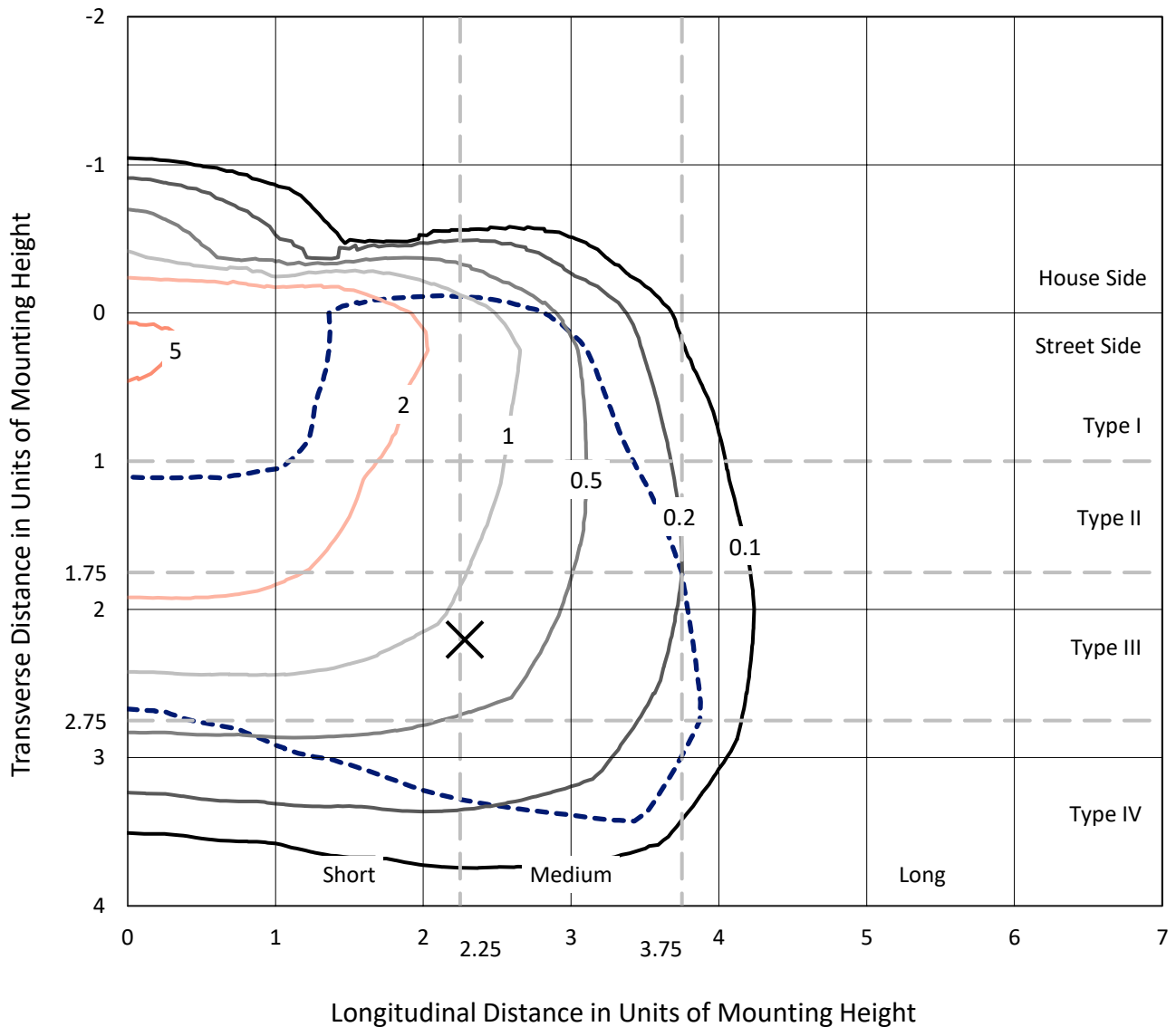
Lumens per Lamp: N/A
Luminaire Lumens: 8982.9 lumens
Efficiency: N/A
Efficacy: 84.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 106.6
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

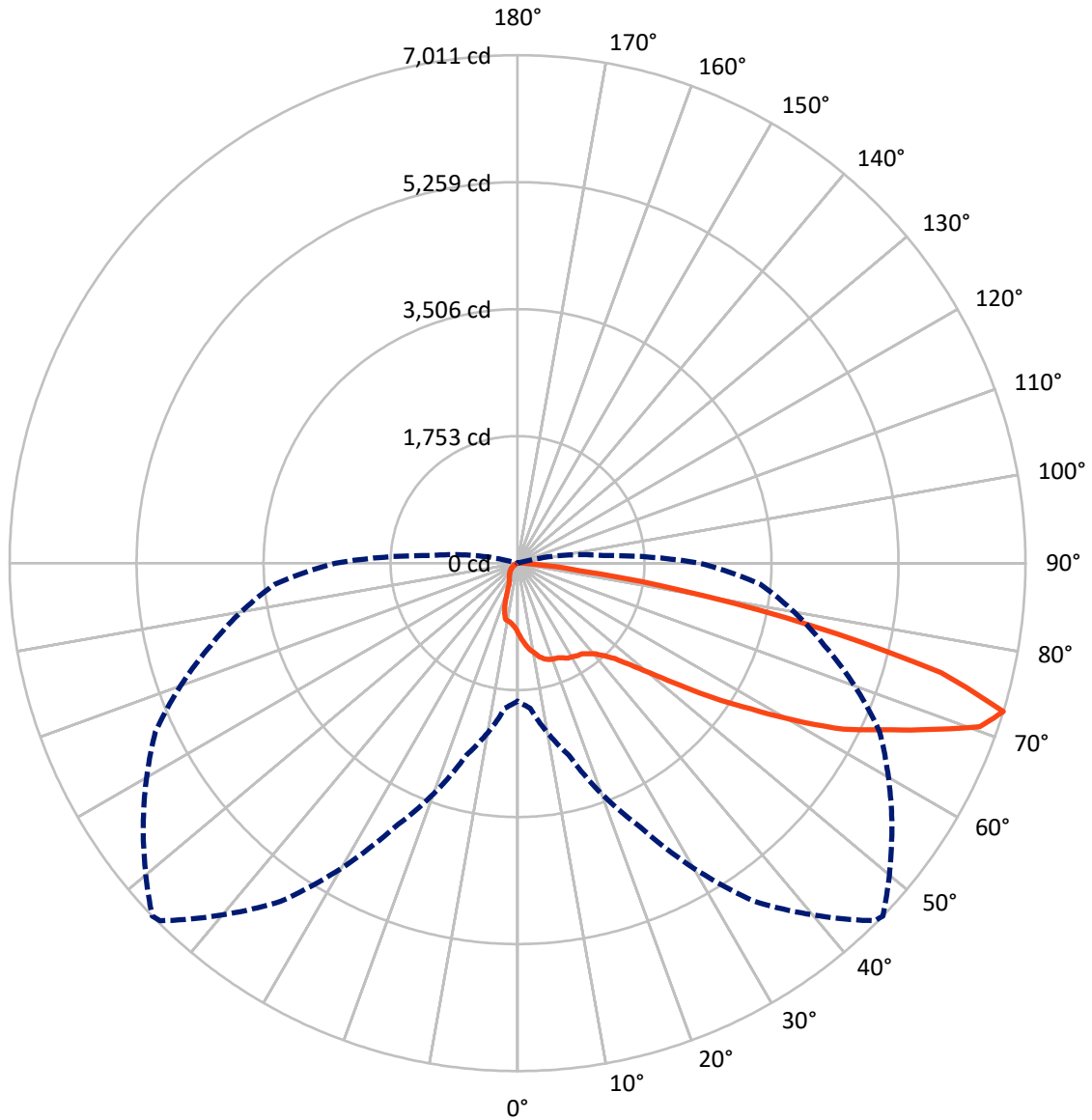
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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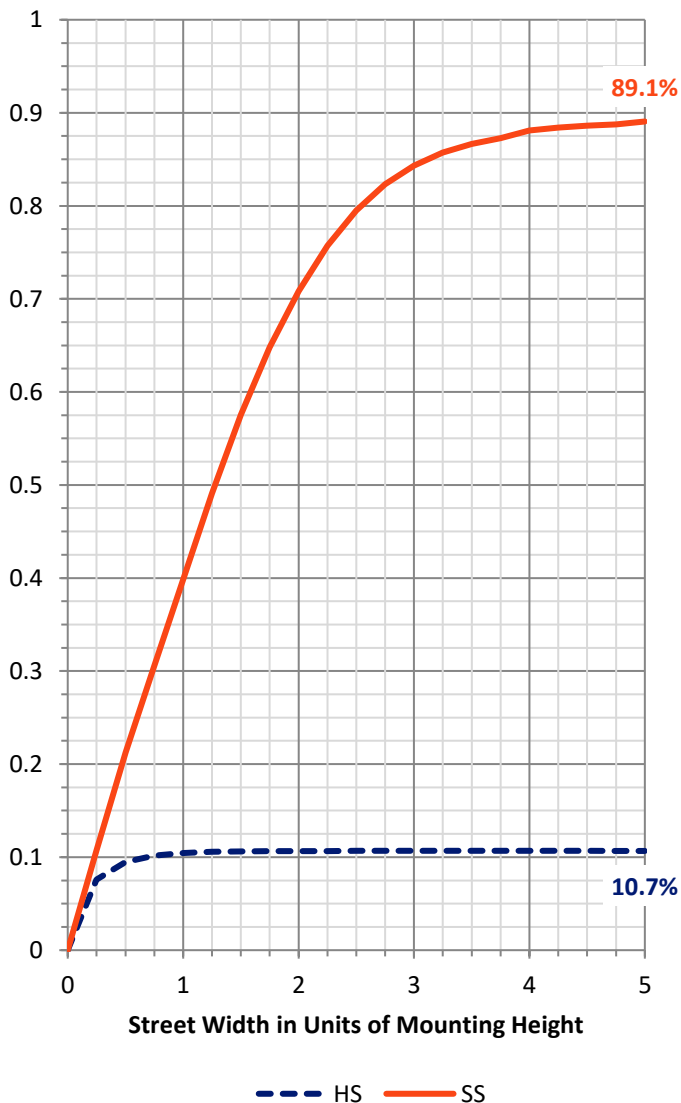
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	967.1	0.0	967.1
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	8015.8	0.0	8015.8
	% Fixture	89.2	0.0	89.2
Total	Lumens	8982.9	0.0	8982.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.1	1.1
10°-20°	290.1	3.2
20°-30°	454.2	5.1
30°-40°	636.0	7.1
40°-50°	1048.8	11.7
50°-60°	1885.1	21.0
60°-70°	2732.2	30.4
70°-80°	1705.2	19.0
80°-90°	135.2	1.5
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°	8982.9	100.0
0°-180°	8982.9	100.0



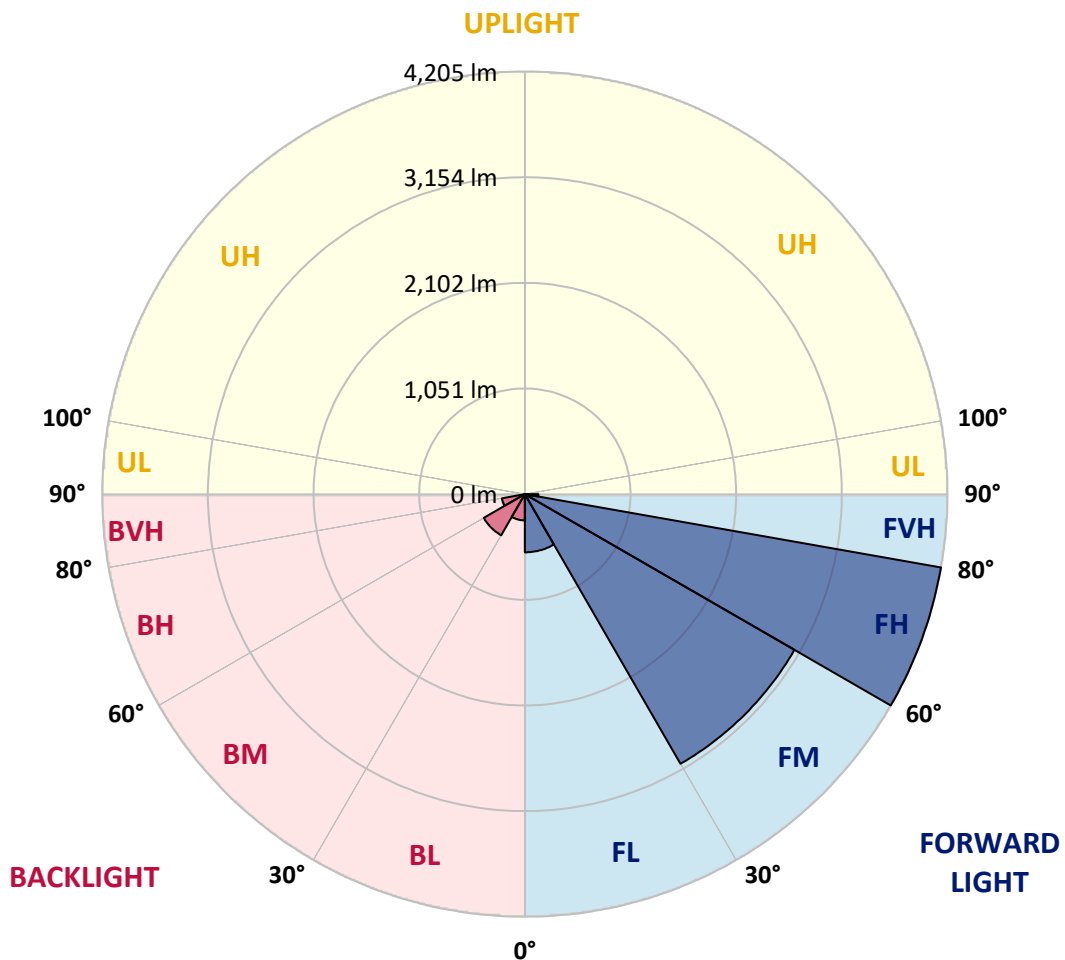
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	579.0	6.4			
FM (30°-60°)	3097.5	34.5			
FH (60°-80°)	4204.9	46.8			G2/5000
FVH (80°-90°)	134.4	1.5			G2/225
BL (0°-30°)	261.4	2.9	B1/500		
BM (30°-60°)	472.4	5.3	B1/1000		
BH (60°-80°)	232.6	2.6	B1/500		G1/500
BVH (80°-90°)	0.7	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-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	960.1	960.1	960.1	960.1	960.1	960.1	960.1	960.1	960.1	960.1	960.1
2.5°	1074.6	1070.0	1076.9	1074.6	1047.1	1051.7	1049.4	1031.1	999.0	980.7	969.2
5°	1198.4	1209.8	1200.6	1180.0	1164.0	1131.9	1127.3	1097.5	1047.1	1015.0	980.7
7.5°	1326.7	1326.7	1308.3	1276.3	1241.9	1207.5	1202.9	1152.5	1109.0	1054.0	1005.9
10°	1422.9	1411.4	1397.7	1363.3	1324.4	1278.5	1255.6	1219.0	1170.9	1104.4	1042.5
12.5°	1507.7	1489.3	1466.4	1416.0	1370.2	1319.8	1324.4	1264.8	1232.7	1173.1	1081.5
15°	1555.8	1539.8	1519.1	1473.3	1402.3	1379.4	1370.2	1333.5	1276.3	1216.7	1129.6
17.5°	1567.3	1555.8	1528.3	1468.7	1429.8	1402.3	1400.0	1356.5	1331.2	1280.8	1184.6
20°	1544.3	1523.7	1503.1	1464.1	1427.5	1418.3	1411.4	1411.4	1379.4	1312.9	1219.0
22.5°	1505.4	1482.5	1471.0	1448.1	1418.3	1416.0	1420.6	1416.0	1390.8	1347.3	1255.6
25°	1475.6	1464.1	1445.8	1438.9	1420.6	1455.0	1448.1	1441.2	1434.4	1383.9	1312.9
27.5°	1484.8	1482.5	1468.7	1441.2	1427.5	1464.1	1484.8	1487.1	1484.8	1434.4	1365.6
30°	1489.3	1477.9	1464.1	1457.3	1461.9	1498.5	1498.5	1548.9	1528.3	1477.9	1418.3
32.5°	1542.0	1535.2	1489.3	1473.3	1475.6	1519.1	1521.4	1571.8	1565.0	1530.6	1464.1
35°	1654.3	1608.5	1542.0	1496.2	1496.2	1553.5	1535.2	1608.5	1626.8	1571.8	1496.2
37.5°	1821.6	1787.2	1668.1	1565.0	1526.0	1567.3	1585.6	1626.8	1681.8	1633.7	1560.4
40°	2153.8	2147.0	1977.4	1755.1	1601.6	1638.3	1645.2	1709.3	1746.0	1679.5	1658.9
42.5°	2639.6	2605.2	2447.1	2096.5	1739.1	1723.1	1748.3	1789.5	1876.6	1821.6	1771.2
45°	3113.9	3097.8	2939.7	2547.9	1988.9	1892.6	1878.9	1952.2	2080.5	2020.9	1982.0
47.5°	3457.6	3425.5	3336.1	3006.2	2355.5	2092.0	2101.1	2174.4	2337.1	2291.3	2302.8
50°	3721.1	3705.0	3611.1	3430.1	2818.3	2405.9	2387.5	2460.9	2680.8	2710.6	2742.7
52.5°	4009.8	4039.6	3913.5	3760.0	3365.9	2827.5	2786.2	2811.4	3095.6	3164.3	3253.7
55°	4287.0	4335.1	4209.1	4188.5	3938.7	3294.9	3288.0	3228.4	3595.1	3604.2	3652.3
57.5°	4468.0	4452.0	4442.8	4555.1	4511.6	3831.1	3796.7	3737.1	4069.4	4009.8	4154.1
60°	4481.8	4527.6	4681.1	4958.4	5036.3	4461.2	4410.8	4248.1	4479.5	4337.4	4612.4
62.5°	4584.9	4621.6	4905.7	5288.3	5389.1	5015.7	5050.0	4637.6	4830.1	4717.8	5121.1
65°	4323.7	4438.3	5008.8	5545.0	5852.0	5577.0	5542.7	5139.4	5189.8	5084.4	5622.9
67.5°	4087.7	4131.2	4727.0	5622.9	6218.6	6140.7	6126.9	5583.9	5561.0	5366.2	5764.9
70°	3322.4	3375.1	3964.0	5224.2	6342.3	6798.3	6766.2	6207.1	5813.0	5212.7	5036.3
72.5°	1904.1	2009.5	2747.3	4023.5	5698.5	6981.6	7011.4	6308.0	5515.2	4383.3	3363.6
75°	623.2	653.0	1141.1	2279.8	4261.8	6090.3	6037.6	5421.2	4449.7	2893.9	1519.1
77.5°	210.8	215.4	336.8	824.9	2362.3	4115.2	4145.0	3874.6	2733.5	1202.9	419.3
80°	107.7	114.6	165.0	309.3	971.5	2240.9	2289.0	2208.8	1145.7	355.2	100.8
82.5°	50.4	52.7	96.2	171.8	444.5	879.9	879.9	966.9	405.6	199.3	41.2
85°	18.3	18.3	50.4	98.5	187.9	293.3	295.6	297.9	213.1	148.9	18.3
87.5°	6.9	6.9	25.2	41.2	68.7	89.4	89.4	71.0	107.7	98.5	6.9
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°	960.1	960.1	960.1	960.1	960.1	960.1	960.1	960.1	960.1	960.1	960.1
2.5°	964.6	950.9	939.4	923.4	902.8	891.3	893.6	879.9	879.9	873.0	870.7
5°	964.6	950.9	921.1	893.6	875.3	852.4	840.9	831.7	831.7	827.2	829.5
7.5°	971.5	950.9	909.6	873.0	843.2	820.3	802.0	799.7	795.1	783.6	792.8
10°	1012.8	983.0	914.2	863.8	829.5	804.2	772.2	763.0	749.3	728.6	730.9
12.5°	1047.1	1008.2	946.3	877.6	834.0	792.8	719.5	639.3	604.9	568.2	570.5
15°	1097.5	1042.5	957.8	895.9	834.0	701.1	568.2	465.1	410.1	382.6	382.6
17.5°	1125.0	1079.2	989.8	907.4	767.6	570.5	403.3	313.9	304.7	309.3	309.3
20°	1182.3	1120.4	1026.5	916.5	657.6	405.6	295.6	286.4	291.0	300.2	297.9
22.5°	1219.0	1157.1	1054.0	875.3	508.7	291.0	277.2	272.7	277.2	288.7	288.7
25°	1248.8	1209.8	1097.5	774.5	359.7	263.5	258.9	263.5	268.1	272.7	279.5
27.5°	1322.1	1255.6	1127.3	643.9	258.9	245.2	249.8	252.0	252.0	258.9	261.2
30°	1370.2	1317.5	1150.2	497.2	229.1	226.8	231.4	233.7	236.0	242.9	245.2
32.5°	1416.0	1397.7	1120.4	336.8	215.4	210.8	208.5	210.8	220.0	226.8	224.5
35°	1482.5	1471.0	1076.9	233.7	201.6	192.5	187.9	190.2	197.1	203.9	201.6
37.5°	1562.7	1574.1	971.5	203.9	187.9	176.4	167.3	167.3	169.6	176.4	178.7
40°	1656.6	1686.4	847.8	190.2	178.7	165.0	155.8	144.4	142.1	139.8	142.1
42.5°	1828.5	1862.8	708.0	181.0	165.0	148.9	135.2	121.4	110.0	103.1	103.1
45°	2069.0	2041.6	524.7	171.8	158.1	135.2	114.6	98.5	82.5	75.6	75.6
47.5°	2401.3	2307.3	359.7	162.7	146.6	119.1	96.2	75.6	61.9	55.0	55.0
50°	2861.8	2552.5	233.7	153.5	139.8	103.1	77.9	55.0	45.8	43.5	45.8
52.5°	3297.2	2802.3	185.6	142.1	126.0	89.4	59.6	45.8	41.2	39.0	39.0
55°	3698.2	2928.3	165.0	130.6	114.6	73.3	50.4	39.0	36.7	34.4	34.4
57.5°	4037.3	2971.8	142.1	114.6	91.7	57.3	41.2	34.4	29.8	27.5	27.5
60°	4330.6	2983.3	110.0	91.7	66.4	43.5	34.4	29.8	25.2	20.6	20.6
62.5°	4564.3	2903.1	77.9	64.2	45.8	34.4	29.8	20.6	13.7	9.2	6.9
65°	4749.9	2742.7	52.7	43.5	29.8	25.2	18.3	9.2	2.3	0.0	0.0
67.5°	4532.2	2378.4	41.2	32.1	20.6	16.0	9.2	2.3	0.0	0.0	0.0
70°	3695.9	1844.5	29.8	20.6	13.7	4.6	2.3	0.0	0.0	0.0	0.0
72.5°	2515.9	1189.2	22.9	13.7	6.9	2.3	0.0	0.0	0.0	0.0	0.0
75°	1129.6	426.2	16.0	9.2	2.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	275.0	100.8	11.5	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	73.3	25.2	6.9	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	27.5	9.2	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	11.5	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.6	2.3	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)