

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: P670861

Luminaire Tested: **CCP-SA-1D-830-U-T3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P670861
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-830-U-T3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T3 distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

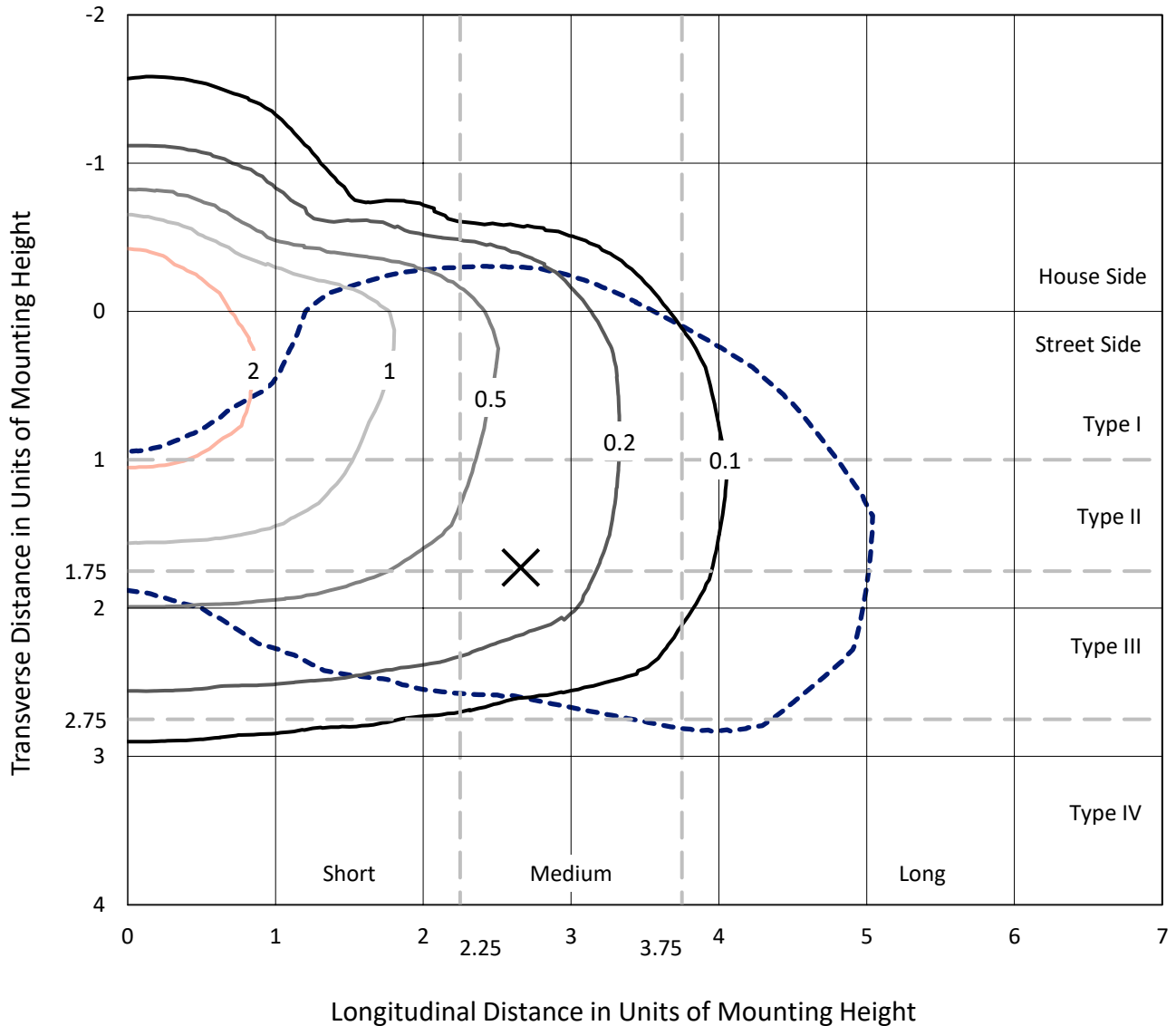
Lumens per Lamp: N/A
Luminaire Lumens: 4477.4 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

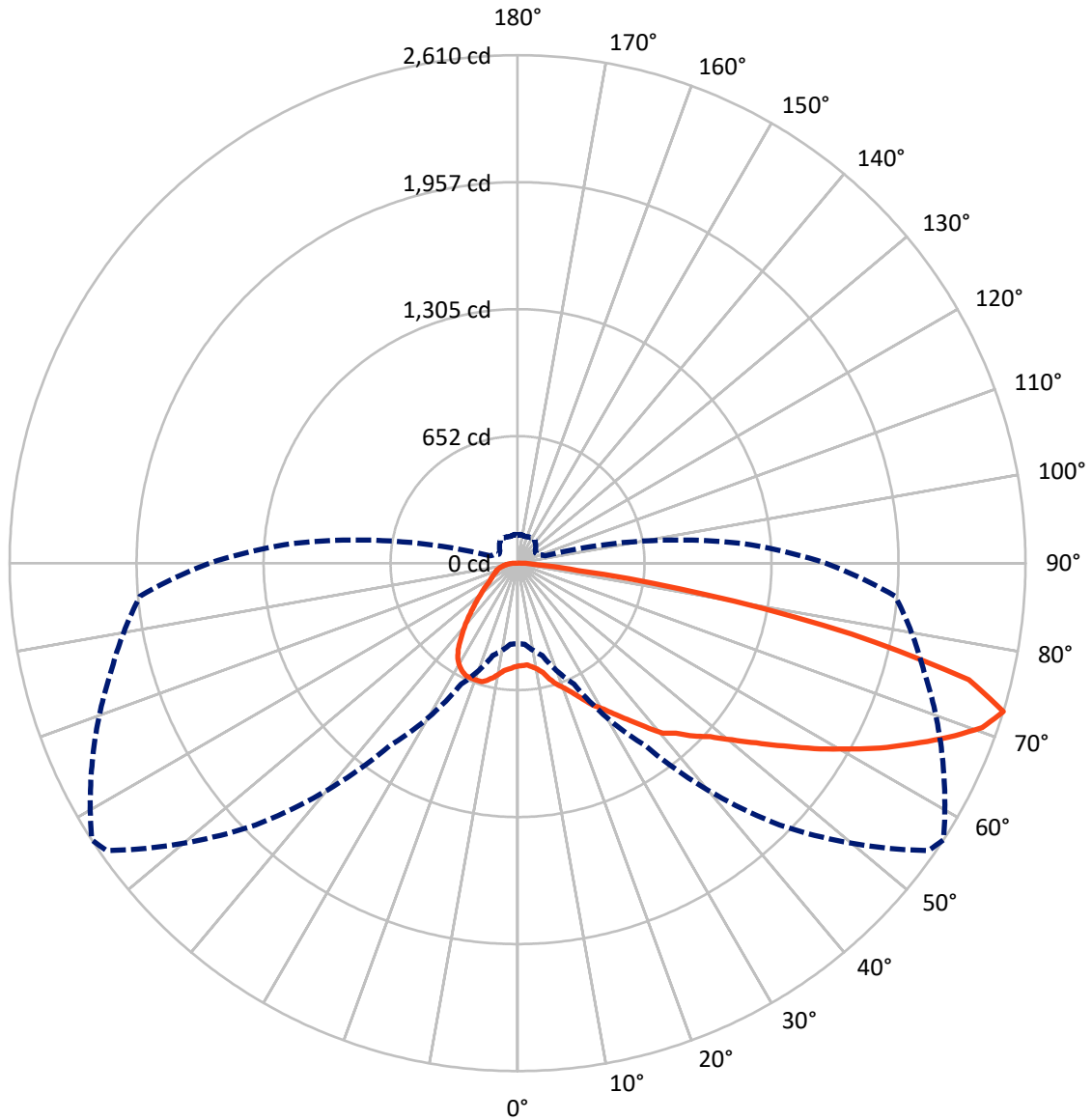
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 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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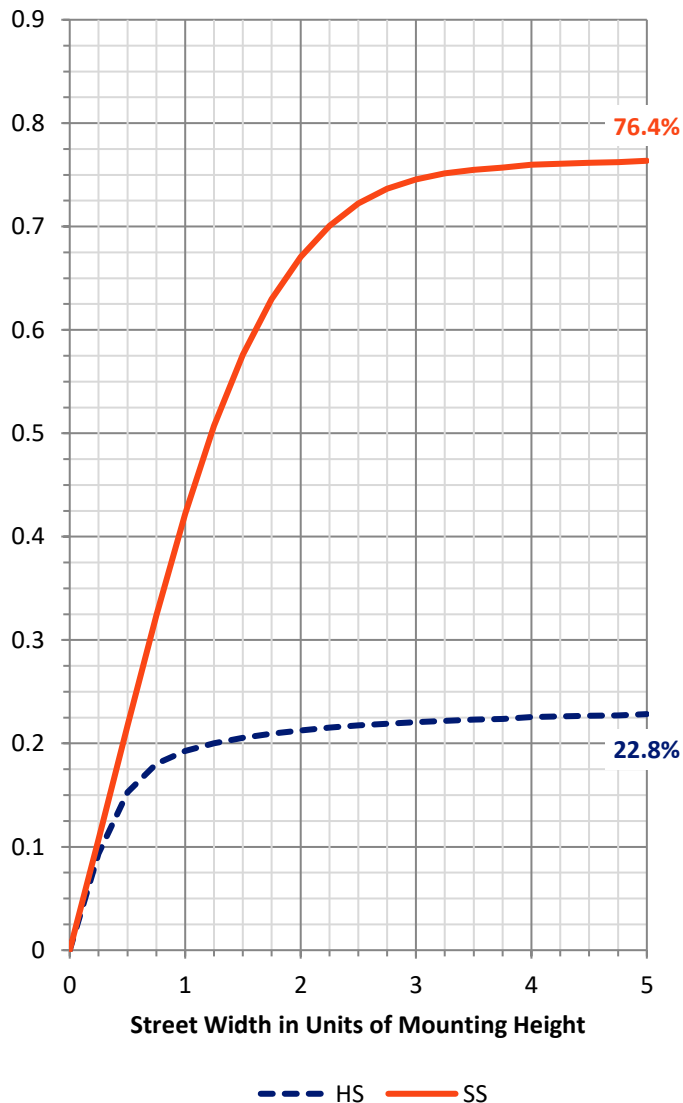
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1045.6	0.0	1045.6
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	3431.8	0.0	3431.8
	% Fixture	76.6	0.0	76.6
Total	Lumens	4477.4	0.0	4477.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.5	1.2
10°-20°	176.8	3.9
20°-30°	323.2	7.2
30°-40°	474.1	10.6
40°-50°	652.8	14.6
50°-60°	895.2	20.0
60°-70°	1079.2	24.1
70°-80°	718.9	16.1
80°-90°	104.7	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°	4477.4	100.0
0°-180°	4477.4	100.0



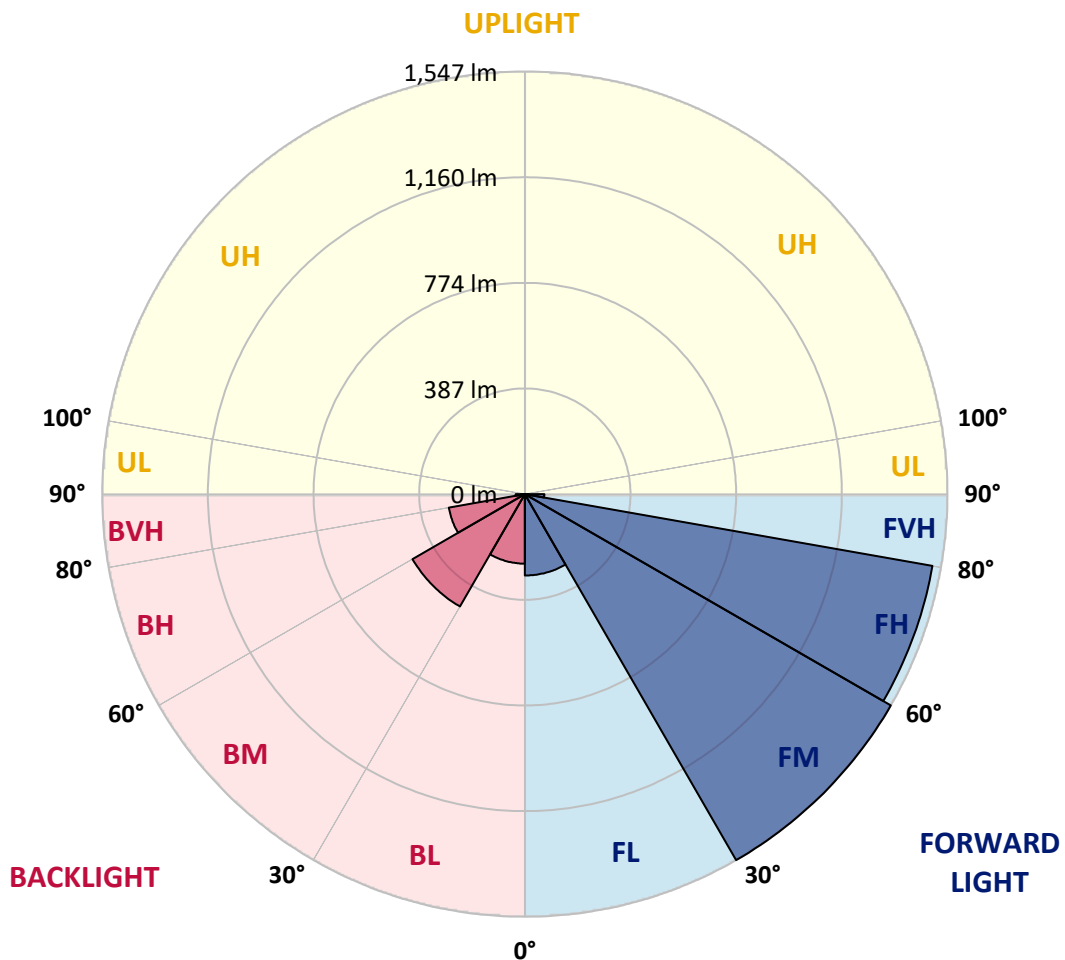
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	297.9	6.7			
FM (30°-60°)	1547.3	34.6			
FH (60°-80°)	1515.3	33.8			G1/1800
FVH (80°-90°)	71.3	1.6			G1/100
BL (0°-30°)	254.6	5.7	B1/500		
BM (30°-60°)	474.9	10.6	B1/1000		
BH (60°-80°)	282.7	6.3	B1/500		G1/500
BVH (80°-90°)	33.4	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°	528.5	528.5	528.5	528.5	528.5	528.5	528.5	528.5	528.5	528.5	528.5
2.5°	518.7	520.3	523.6	522.0	522.0	517.1	525.2	526.8	523.6	525.2	528.5
5°	518.7	522.0	526.8	523.6	525.2	523.6	520.3	525.2	525.2	526.8	531.7
7.5°	546.4	544.8	544.8	539.9	538.3	536.6	538.3	538.3	535.0	536.6	536.6
10°	577.4	577.4	574.1	574.1	570.9	562.7	554.6	552.9	548.1	549.7	549.7
12.5°	610.0	613.3	616.6	606.8	603.5	590.5	585.6	575.8	575.8	572.5	570.9
15°	650.8	645.9	649.2	645.9	637.8	624.7	616.6	618.2	606.8	603.5	598.6
17.5°	686.7	688.3	683.4	680.2	665.5	655.7	657.3	655.7	641.0	636.1	628.0
20°	729.1	727.5	727.5	717.7	704.6	691.6	686.7	685.1	688.3	678.5	659.0
22.5°	773.1	766.6	766.6	758.5	740.5	732.4	729.1	722.6	725.8	717.7	688.3
25°	809.0	809.0	820.4	804.1	794.3	778.0	771.5	773.1	774.8	758.5	724.2
27.5°	856.3	848.2	859.6	851.4	846.5	828.6	820.4	825.3	822.1	804.1	756.8
30°	916.7	918.3	911.8	900.4	893.8	880.8	875.9	871.0	875.9	853.1	792.7
32.5°	991.7	996.6	980.3	967.2	955.8	942.8	933.0	928.1	933.0	898.7	820.4
35°	1078.2	1083.1	1070.0	1055.3	1042.3	1009.7	1001.5	993.3	975.4	919.9	846.5
37.5°	1158.1	1151.6	1148.3	1148.3	1123.8	1076.5	1071.6	1066.7	1032.5	962.4	882.4
40°	1211.9	1220.1	1216.8	1213.5	1210.3	1166.2	1156.5	1148.3	1091.2	1026.0	933.0
42.5°	1272.3	1267.4	1280.4	1285.3	1273.9	1260.8	1221.7	1194.0	1143.4	1091.2	1008.0
45°	1344.0	1340.8	1345.7	1363.6	1347.3	1352.2	1286.9	1267.4	1203.8	1172.8	1102.6
47.5°	1407.6	1415.8	1440.3	1445.2	1432.1	1454.9	1363.6	1332.6	1291.8	1267.4	1200.5
50°	1435.4	1445.2	1500.6	1534.9	1536.5	1572.4	1440.3	1427.2	1371.8	1381.5	1322.8
52.5°	1412.5	1443.5	1510.4	1600.1	1655.6	1691.5	1541.4	1534.9	1484.3	1515.3	1456.6
55°	1433.7	1463.1	1507.1	1632.7	1773.0	1781.2	1681.7	1657.2	1606.6	1649.0	1595.2
57.5°	1443.5	1427.2	1510.4	1668.6	1859.5	1880.7	1815.4	1797.5	1758.3	1799.1	1768.1
60°	1366.9	1386.4	1464.7	1658.8	1864.4	1986.7	1965.5	1939.4	1903.5	1941.0	1923.1
62.5°	1280.4	1293.5	1378.3	1600.1	1892.1	2063.3	2110.6	2091.1	2040.5	2073.1	2104.1
65°	1171.1	1172.8	1267.4	1495.7	1838.3	2107.4	2237.9	2236.2	2200.4	2192.2	2241.1
67.5°	1037.4	1050.4	1125.5	1384.8	1764.9	2156.3	2363.5	2387.9	2316.2	2252.6	2270.5
70°	796.0	809.0	880.8	1135.2	1614.8	2141.6	2518.4	2531.5	2391.2	2229.7	2184.0
72.5°	414.3	417.6	491.0	685.1	1145.0	1901.9	2575.5	2609.8	2410.8	2162.8	1947.5
75°	137.0	137.0	168.0	261.0	539.9	1216.8	2332.5	2394.5	2314.5	1996.5	1593.6
77.5°	81.6	83.2	99.5	130.5	215.3	486.1	1644.2	1753.4	1893.7	1698.0	1164.6
80°	58.7	60.4	75.0	89.7	128.9	156.6	825.3	977.0	1163.0	1092.8	621.5
82.5°	44.0	44.0	58.7	66.9	88.1	93.0	230.0	314.8	502.4	391.5	171.3
85°	45.7	45.7	45.7	47.3	60.4	53.8	96.2	102.8	146.8	128.9	47.3
87.5°	16.3	17.9	45.7	31.0	31.0	22.8	37.5	40.8	52.2	53.8	17.9
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°	528.5	528.5	528.5	528.5	528.5	528.5	528.5	528.5	528.5	528.5	528.5
2.5°	530.1	530.1	531.7	531.7	535.0	538.3	543.2	539.9	539.9	541.5	539.9
5°	528.5	530.1	535.0	543.2	546.4	548.1	557.8	557.8	557.8	561.1	561.1
7.5°	535.0	538.3	546.4	554.6	556.2	561.1	574.1	577.4	585.6	588.8	590.5
10°	551.3	556.2	562.7	572.5	579.0	585.6	595.4	606.8	605.1	614.9	616.6
12.5°	575.8	574.1	585.6	595.4	601.9	611.7	614.9	614.9	614.9	614.9	618.2
15°	595.4	598.6	608.4	614.9	623.1	621.5	614.9	608.4	610.0	608.4	608.4
17.5°	624.7	624.7	632.9	634.5	637.8	621.5	611.7	611.7	616.6	616.6	613.3
20°	654.1	652.4	655.7	654.1	632.9	613.3	611.7	613.3	614.9	613.3	611.7
22.5°	681.8	678.5	673.6	667.1	629.6	611.7	608.4	600.2	592.1	592.1	587.2
25°	706.3	703.0	690.0	670.4	628.0	601.9	585.6	566.0	556.2	551.3	557.8
27.5°	729.1	722.6	704.6	670.4	613.3	575.8	544.8	520.3	512.2	505.6	512.2
30°	760.1	748.7	724.2	665.5	590.5	535.0	492.6	463.2	455.1	445.3	448.6
32.5°	787.8	761.7	740.5	650.8	561.1	489.3	440.4	411.0	396.4	388.2	394.7
35°	817.2	791.1	747.0	628.0	515.4	433.9	384.9	357.2	345.8	334.4	334.4
37.5°	846.5	831.9	756.8	585.6	460.0	381.7	337.6	316.4	296.9	275.7	275.7
40°	908.5	889.0	768.3	536.6	404.5	331.1	300.1	272.4	252.8	223.5	221.8
42.5°	973.8	931.4	768.3	477.9	355.6	295.2	265.9	236.5	200.6	182.7	184.3
45°	1057.0	1008.0	747.0	425.7	306.6	265.9	233.2	195.7	179.4	168.0	168.0
47.5°	1161.3	1084.7	720.9	368.6	267.5	239.8	199.0	176.2	164.7	155.0	153.3
50°	1285.3	1154.8	688.3	319.7	234.9	215.3	181.1	163.1	153.3	146.8	146.8
52.5°	1415.8	1257.6	665.5	275.7	208.8	182.7	168.0	156.6	148.4	143.5	141.9
55°	1547.9	1360.3	649.2	228.4	184.3	168.0	164.7	155.0	151.7	146.8	143.5
57.5°	1696.3	1445.2	645.9	195.7	164.7	161.5	168.0	159.8	155.0	150.1	145.2
60°	1856.2	1559.3	616.6	169.6	155.0	158.2	163.1	155.0	151.7	146.8	143.5
62.5°	2014.4	1644.2	536.6	150.1	145.2	148.4	155.0	148.4	143.5	145.2	146.8
65°	2079.7	1650.7	415.9	135.4	133.8	135.4	145.2	143.5	138.6	148.4	148.4
67.5°	2014.4	1592.0	293.6	122.3	122.3	130.5	146.8	150.1	145.2	158.2	156.6
70°	1866.0	1446.8	199.0	114.2	117.4	138.6	151.7	148.4	141.9	158.2	155.0
72.5°	1583.8	1158.1	145.2	106.0	110.9	132.1	150.1	146.8	141.9	148.4	141.9
75°	1189.1	823.7	114.2	96.2	97.9	119.1	155.0	146.8	133.8	130.5	125.6
77.5°	794.3	508.9	88.1	84.8	84.8	104.4	148.4	137.0	120.7	115.8	114.2
80°	378.4	203.9	70.1	71.8	73.4	89.7	135.4	122.3	109.3	102.8	102.8
82.5°	120.7	76.7	58.7	58.7	58.7	73.4	112.5	102.8	94.6	89.7	81.6
85°	42.4	42.4	50.6	52.2	47.3	53.8	93.0	88.1	78.3	65.2	63.6
87.5°	16.3	24.5	34.3	40.8	29.4	37.5	66.9	62.0	57.1	42.4	40.8
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)