

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: P670850

Luminaire Tested: **CCP-SA-1D-827-U-T3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P670850
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-827-U-T3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T3 distribution lens
Light Source: (16) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

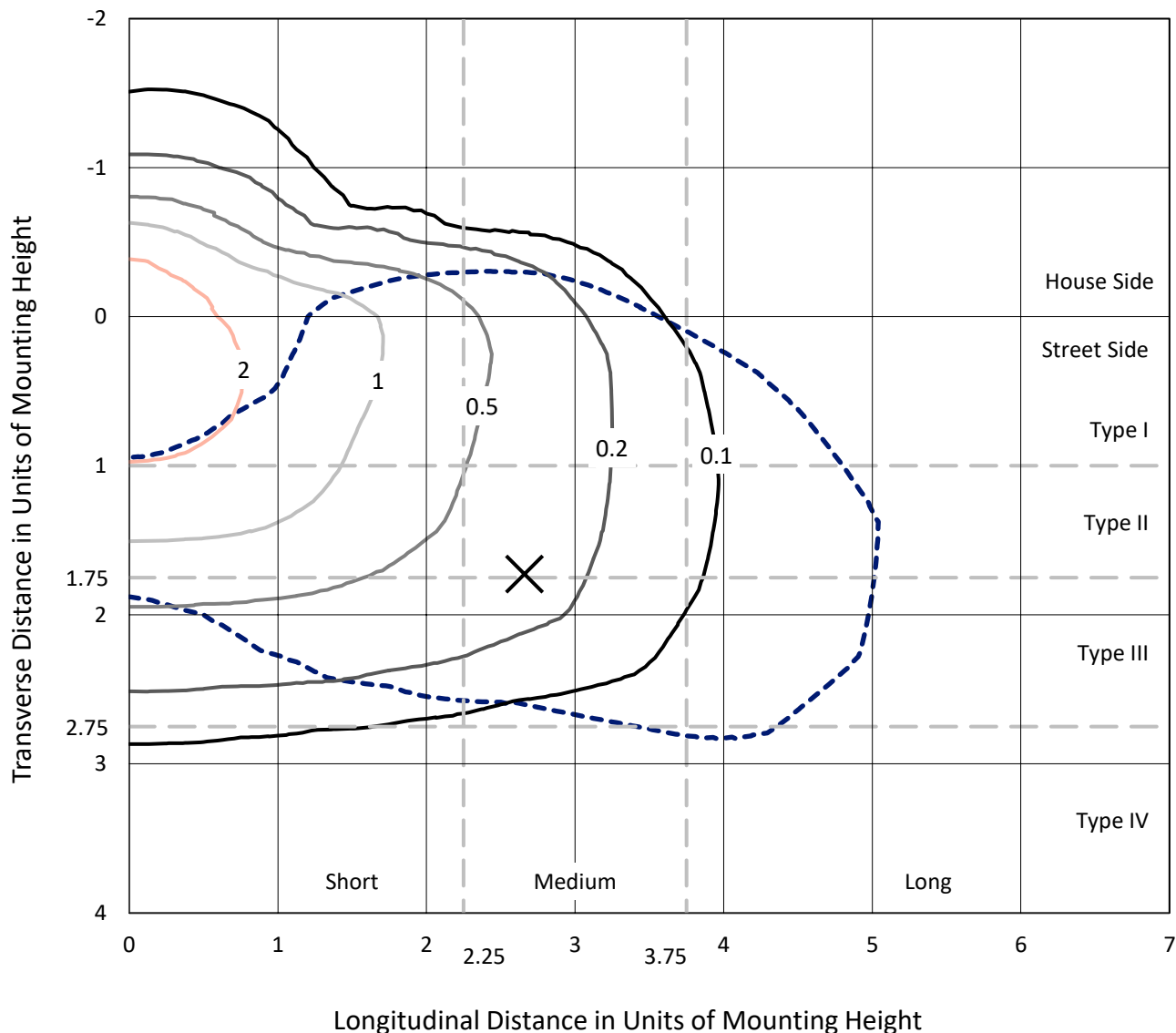
Lumens per Lamp: N/A
Luminaire Lumens: 4142.2 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

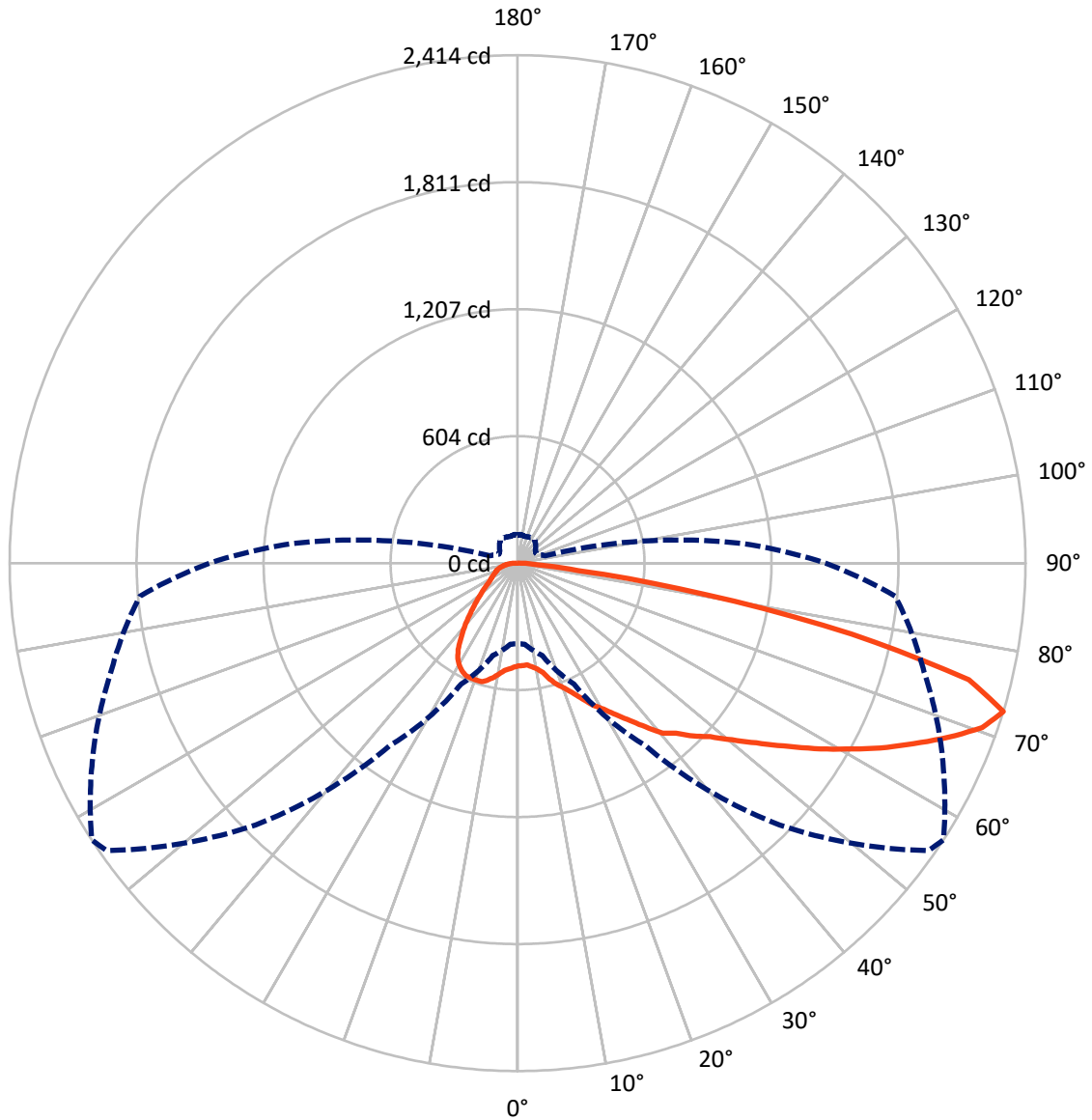
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 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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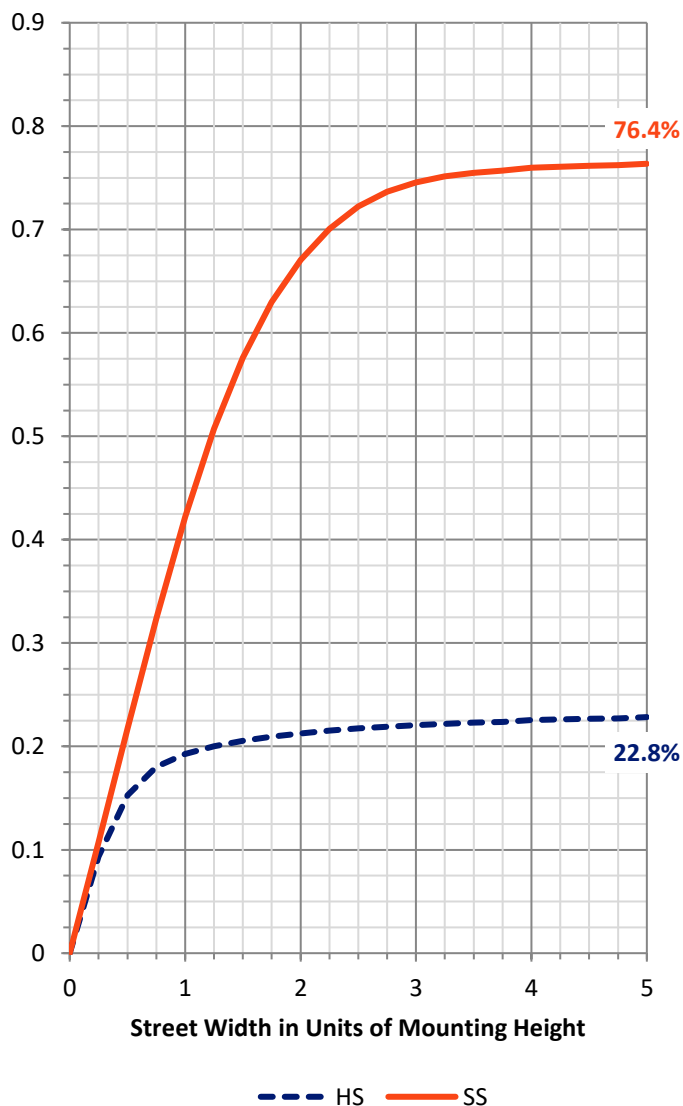
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	967.3	0.0	967.3
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	3174.8	0.0	3174.8
	% Fixture	76.6	0.0	76.6
Total	Lumens	4142.2	0.0	4142.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.5	1.2
10°-20°	163.6	3.9
20°-30°	299.0	7.2
30°-40°	438.6	10.6
40°-50°	604.0	14.6
50°-60°	828.2	20.0
60°-70°	998.4	24.1
70°-80°	665.0	16.1
80°-90°	96.9	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°	4142.2	100.0
0°-180°	4142.2	100.0

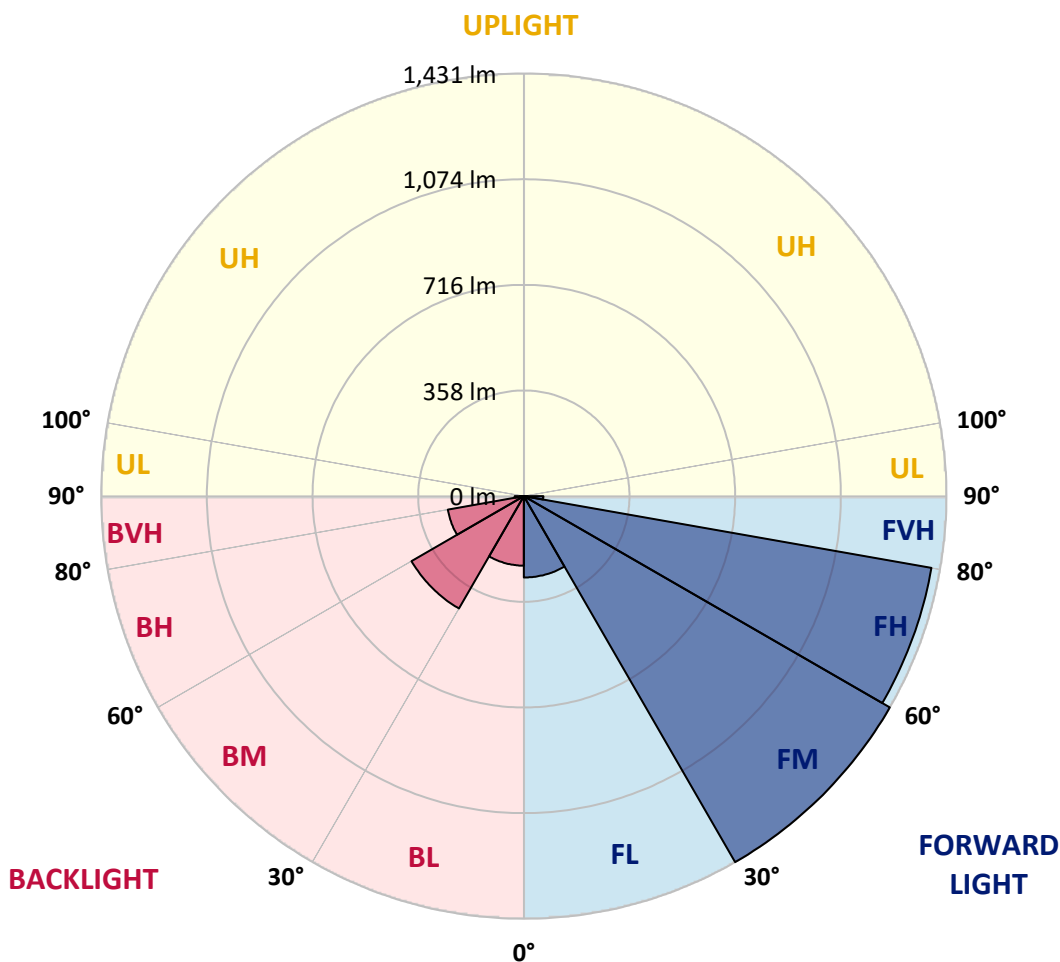


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	275.6	6.7			
FM (30°-60°)	1431.4	34.6			
FH (60°-80°)	1401.9	33.8			G1/1800
FVH (80°-90°)	66.0	1.6			G1/100
BL (0°-30°)	235.5	5.7	B1/500		
BM (30°-60°)	439.4	10.6	B1/1000		
BH (60°-80°)	261.5	6.3	B1/500		G1/500
BVH (80°-90°)	30.9	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°	488.9	488.9	488.9	488.9	488.9	488.9	488.9	488.9	488.9	488.9	488.9
2.5°	479.9	481.4	484.4	482.9	482.9	478.3	485.9	487.4	484.4	485.9	488.9
5°	479.9	482.9	487.4	484.4	485.9	484.4	481.4	485.9	485.9	487.4	491.9
7.5°	505.5	504.0	504.0	499.5	498.0	496.5	498.0	498.0	494.9	496.5	496.5
10°	534.2	534.2	531.2	531.2	528.1	520.6	513.0	511.5	507.0	508.5	508.5
12.5°	564.4	567.4	570.4	561.3	558.3	546.2	541.7	532.7	532.7	529.6	528.1
15°	602.1	597.6	600.6	597.6	590.0	577.9	570.4	571.9	561.3	558.3	553.8
17.5°	635.3	636.8	632.3	629.2	615.7	606.6	608.1	606.6	593.0	588.5	581.0
20°	674.5	673.0	673.0	663.9	651.9	639.8	635.3	633.8	636.8	627.7	609.6
22.5°	715.3	709.2	709.2	701.7	685.1	677.5	674.5	668.5	671.5	663.9	636.8
25°	748.4	748.4	759.0	743.9	734.9	719.8	713.7	715.3	716.8	701.7	670.0
27.5°	792.2	784.7	795.2	787.7	783.2	766.6	759.0	763.5	760.5	743.9	700.2
30°	848.0	849.5	843.5	832.9	826.9	814.8	810.3	805.8	810.3	789.2	733.4
32.5°	917.5	922.0	906.9	894.8	884.3	872.2	863.1	858.6	863.1	831.4	759.0
35°	997.4	1002.0	989.9	976.3	964.2	934.1	926.5	919.0	902.4	851.1	783.2
37.5°	1071.4	1065.3	1062.3	1062.3	1039.7	995.9	991.4	986.9	955.2	890.3	816.4
40°	1121.2	1128.7	1125.7	1122.7	1119.7	1078.9	1069.9	1062.3	1009.5	949.1	863.1
42.5°	1177.0	1172.5	1184.5	1189.1	1178.5	1166.4	1130.2	1104.6	1057.8	1009.5	932.5
45°	1243.4	1240.4	1244.9	1261.5	1246.4	1250.9	1190.6	1172.5	1113.6	1084.9	1020.1
47.5°	1302.2	1309.8	1332.4	1336.9	1324.9	1346.0	1261.5	1232.8	1195.1	1172.5	1110.6
50°	1327.9	1336.9	1388.2	1419.9	1421.4	1454.6	1332.4	1320.3	1269.0	1278.1	1223.8
52.5°	1306.8	1335.4	1397.3	1480.3	1531.6	1564.8	1426.0	1419.9	1373.2	1401.8	1347.5
55°	1326.4	1353.5	1394.3	1510.5	1640.2	1647.8	1555.7	1533.1	1486.3	1525.6	1475.8
57.5°	1335.4	1320.3	1397.3	1543.7	1720.2	1739.8	1679.5	1662.9	1626.7	1664.4	1635.7
60°	1264.5	1282.6	1355.1	1534.6	1724.7	1837.9	1818.3	1794.2	1761.0	1795.7	1779.1
62.5°	1184.5	1196.6	1275.1	1480.3	1750.4	1908.8	1952.6	1934.5	1887.7	1917.9	1946.6
65°	1083.4	1084.9	1172.5	1383.7	1700.6	1949.6	2070.3	2068.8	2035.6	2028.1	2073.3
67.5°	959.7	971.8	1041.2	1281.1	1632.7	1994.9	2186.5	2209.1	2142.7	2083.9	2100.5
70°	736.4	748.4	814.8	1050.2	1493.9	1981.3	2329.8	2341.9	2212.1	2062.8	2020.5
72.5°	383.3	386.3	454.2	633.8	1059.3	1759.5	2382.7	2414.3	2230.3	2000.9	1801.7
75°	126.8	126.8	155.4	241.4	499.5	1125.7	2157.8	2215.2	2141.2	1847.0	1474.3
77.5°	75.4	77.0	92.0	120.7	199.2	449.7	1521.0	1622.1	1751.9	1570.8	1077.4
80°	54.3	55.8	69.4	83.0	119.2	144.9	763.5	903.9	1075.9	1011.0	574.9
82.5°	40.7	40.7	54.3	61.9	81.5	86.0	212.8	291.2	464.8	362.2	158.4
85°	42.3	42.3	42.3	43.8	55.8	49.8	89.0	95.1	135.8	119.2	43.8
87.5°	15.1	16.6	42.3	28.7	28.7	21.1	34.7	37.7	48.3	49.8	16.6
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°	488.9	488.9	488.9	488.9	488.9	488.9	488.9	488.9	488.9	488.9	488.9
2.5°	490.4	490.4	491.9	491.9	494.9	498.0	502.5	499.5	499.5	501.0	499.5
5°	488.9	490.4	494.9	502.5	505.5	507.0	516.1	516.1	516.1	519.1	519.1
7.5°	494.9	498.0	505.5	513.0	514.6	519.1	531.2	534.2	541.7	544.7	546.2
10°	510.0	514.6	520.6	529.6	535.7	541.7	550.8	561.3	559.8	568.9	570.4
12.5°	532.7	531.2	541.7	550.8	556.8	565.9	568.9	568.9	568.9	568.9	571.9
15°	550.8	553.8	562.8	568.9	576.4	574.9	568.9	562.8	564.4	562.8	562.8
17.5°	577.9	577.9	585.5	587.0	590.0	574.9	565.9	565.9	570.4	570.4	567.4
20°	605.1	603.6	606.6	605.1	585.5	567.4	565.9	567.4	568.9	567.4	565.9
22.5°	630.7	627.7	623.2	617.2	582.5	565.9	562.8	555.3	547.8	547.8	543.2
25°	653.4	650.4	638.3	620.2	581.0	556.8	541.7	523.6	514.6	510.0	516.1
27.5°	674.5	668.5	651.9	620.2	567.4	532.7	504.0	481.4	473.8	467.8	473.8
30°	703.2	692.6	670.0	615.7	546.2	494.9	455.7	428.5	421.0	411.9	415.0
32.5°	728.8	704.7	685.1	602.1	519.1	452.7	407.4	380.3	366.7	359.1	365.2
35°	756.0	731.8	691.1	581.0	476.8	401.4	356.1	330.5	319.9	309.3	309.3
37.5°	783.2	769.6	700.2	541.7	425.5	353.1	312.4	292.7	274.6	255.0	255.0
40°	840.5	822.4	710.7	496.5	374.2	306.3	277.6	252.0	233.9	206.7	205.2
42.5°	900.9	861.6	710.7	442.1	329.0	273.1	246.0	218.8	185.6	169.0	170.5
45°	977.8	932.5	691.1	393.8	283.7	246.0	215.8	181.1	166.0	155.4	155.4
47.5°	1074.4	1003.5	667.0	341.0	247.5	221.8	184.1	163.0	152.4	143.4	141.8
50°	1189.1	1068.3	636.8	295.8	217.3	199.2	167.5	150.9	141.8	135.8	135.8
52.5°	1309.8	1163.4	615.7	255.0	193.1	169.0	155.4	144.9	137.3	132.8	131.3
55°	1432.0	1258.5	600.6	211.3	170.5	155.4	152.4	143.4	140.3	135.8	132.8
57.5°	1569.3	1336.9	597.6	181.1	152.4	149.4	155.4	147.9	143.4	138.8	134.3
60°	1717.2	1442.6	570.4	156.9	143.4	146.4	150.9	143.4	140.3	135.8	132.8
62.5°	1863.6	1521.0	496.5	138.8	134.3	137.3	143.4	137.3	132.8	134.3	135.8
65°	1923.9	1527.1	384.8	125.2	123.7	125.2	134.3	132.8	128.3	137.3	137.3
67.5°	1863.6	1472.8	271.6	113.2	113.2	120.7	135.8	138.8	134.3	146.4	144.9
70°	1726.3	1338.5	184.1	105.6	108.6	128.3	140.3	137.3	131.3	146.4	143.4
72.5°	1465.2	1071.4	134.3	98.1	102.6	122.2	138.8	135.8	131.3	137.3	131.3
75°	1100.0	762.0	105.6	89.0	90.5	110.2	143.4	135.8	123.7	120.7	116.2
77.5°	734.9	470.8	81.5	78.5	78.5	96.6	137.3	126.8	111.7	107.1	105.6
80°	350.1	188.6	64.9	66.4	67.9	83.0	125.2	113.2	101.1	95.1	95.1
82.5°	111.7	70.9	54.3	54.3	54.3	67.9	104.1	95.1	87.5	83.0	75.4
85°	39.2	39.2	46.8	48.3	43.8	49.8	86.0	81.5	72.4	60.4	58.8
87.5°	15.1	22.6	31.7	37.7	27.2	34.7	61.9	57.3	52.8	39.2	37.7
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)