

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: P674733

Luminaire Tested: **CCP-SA-2D-760-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674733
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-760-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

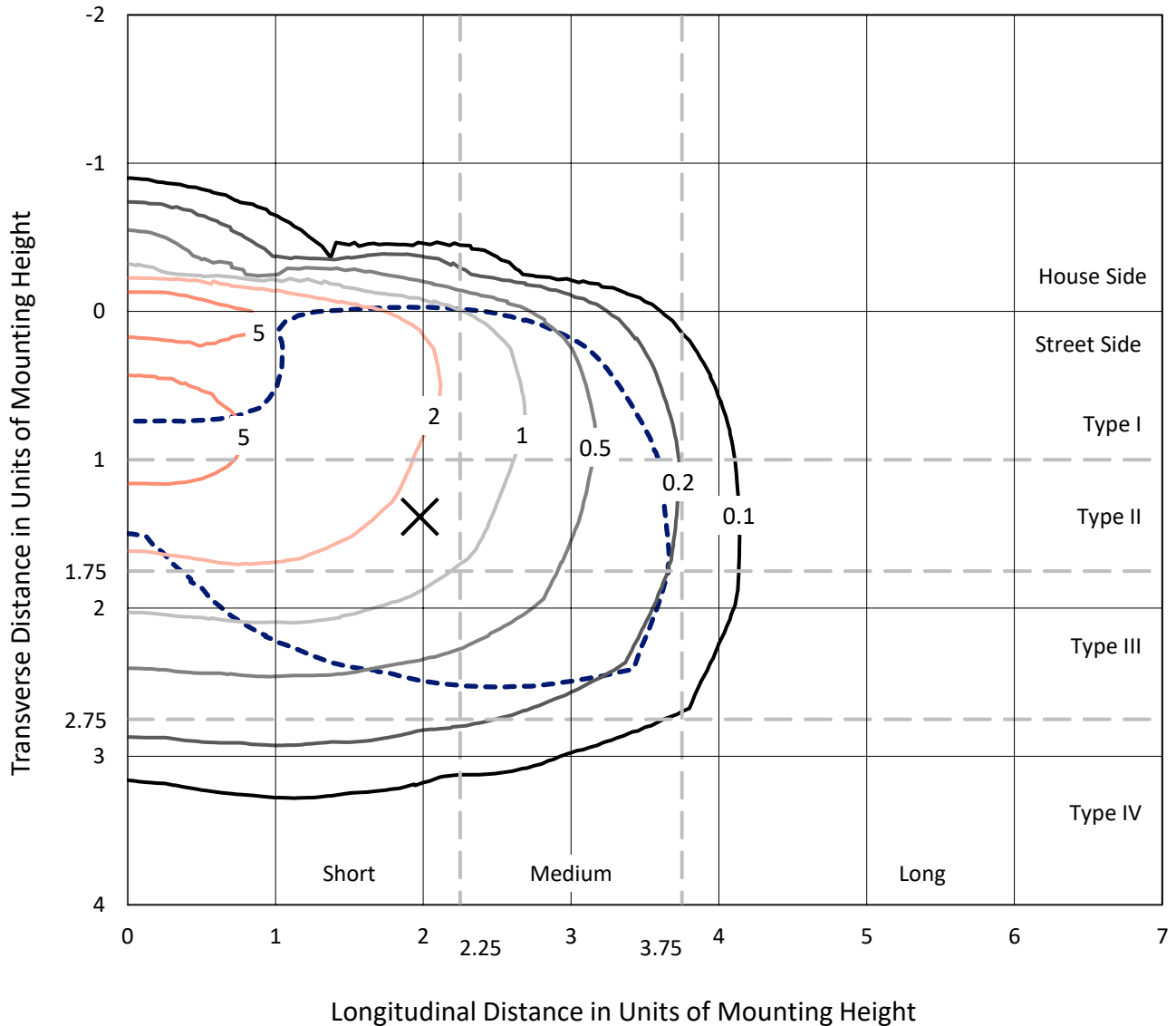
Lumens per Lamp: N/A
Luminaire Lumens: 9047.7 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 80.8
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

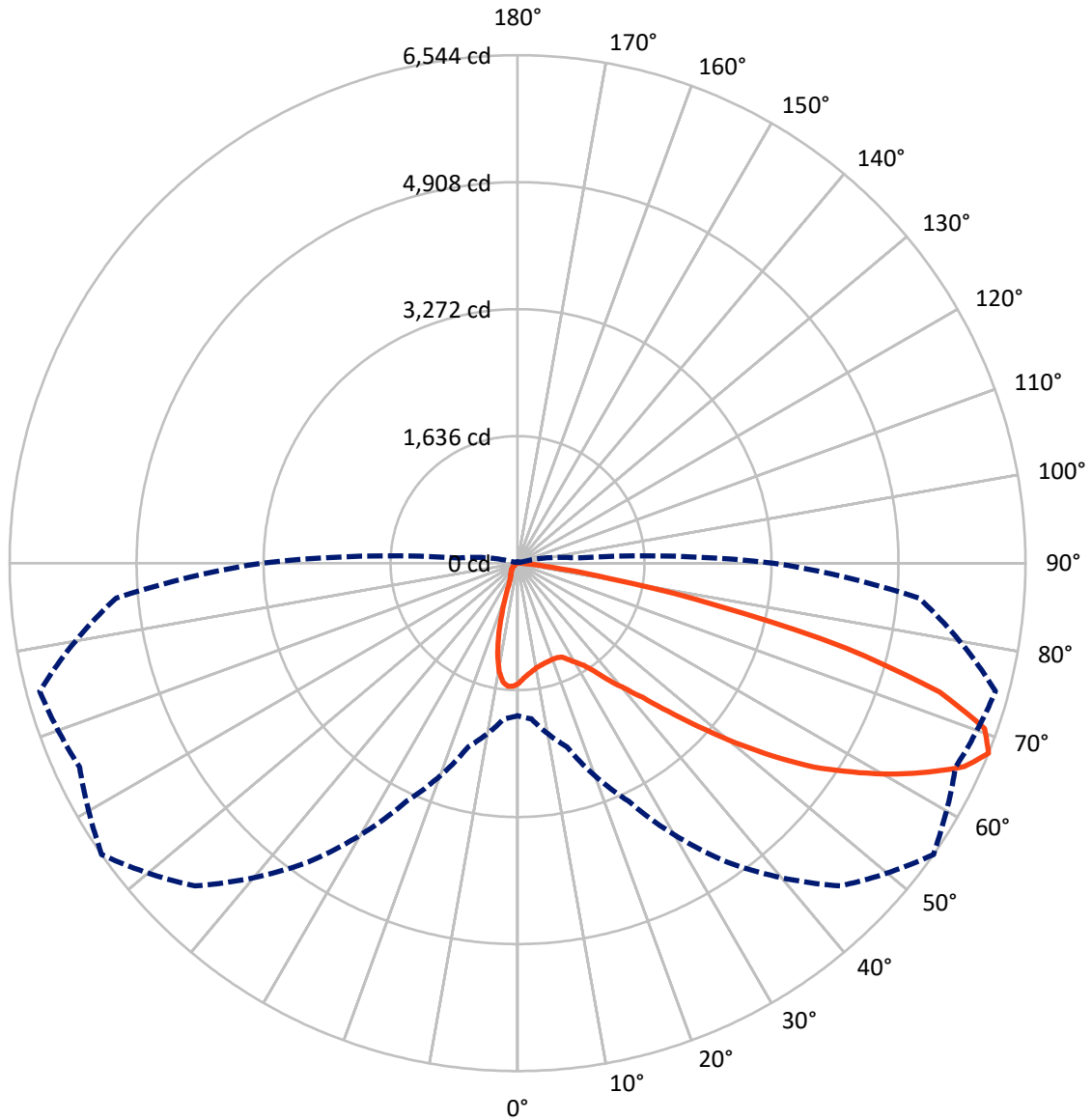
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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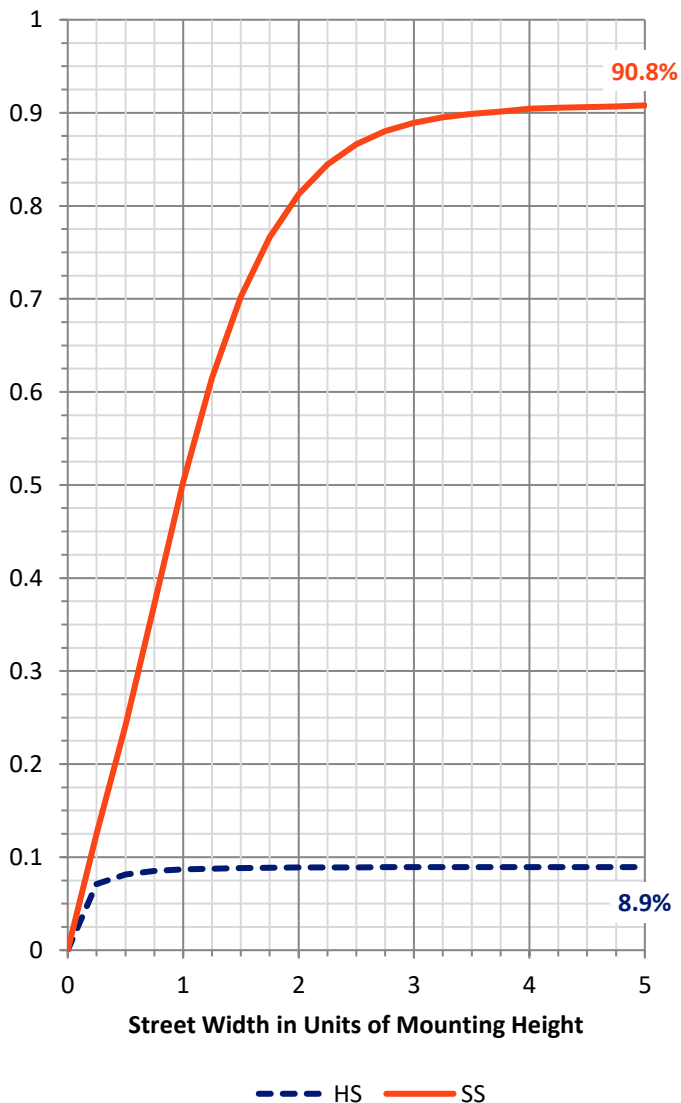
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	812.8	0.0	812.8
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	8234.9	0.0	8234.9
	% Fixture	91.0	0.0	91.0
Total	Lumens	9047.7	0.0	9047.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.1	1.5
10°-20°	309.8	3.4
20°-30°	497.1	5.5
30°-40°	862.1	9.5
40°-50°	1437.6	15.9
50°-60°	2102.2	23.2
60°-70°	2451.1	27.1
70°-80°	1189.5	13.1
80°-90°	62.2	0.7
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°	9047.7	100.0
0°-180°	9047.7	100.0

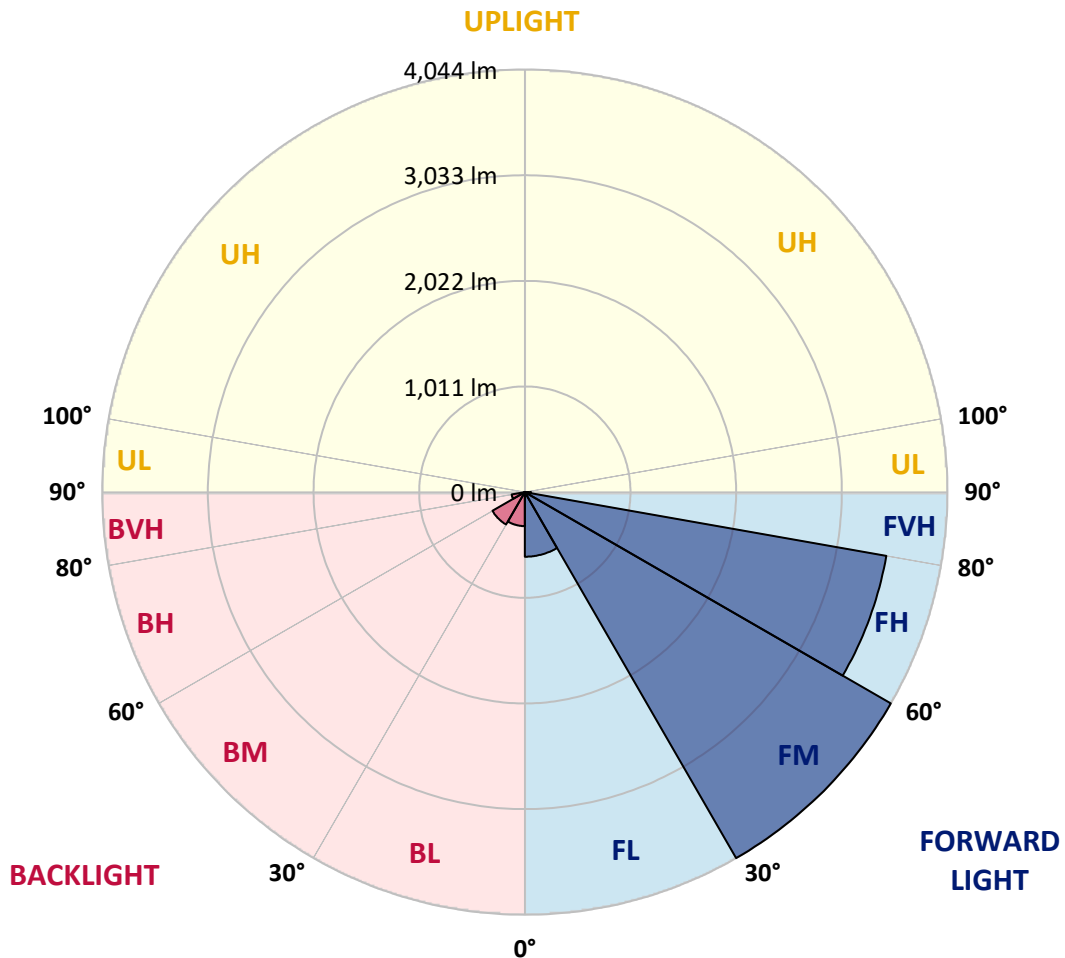


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	618.1	6.8			
FM (30°-60°)	4044.0	44.7			
FH (60°-80°)	3512.4	38.8			G2/5000
FVH (80°-90°)	60.4	0.7			G1/100
BL (0°-30°)	324.9	3.6	B1/500		
BM (30°-60°)	357.8	4.0	B1/1000		
BH (60°-80°)	128.2	1.4	B1/500		G1/500
BVH (80°-90°)	1.8	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5
2.5°	1431.3	1440.5	1452.2	1456.3	1470.5	1490.5	1484.7	1480.5	1503.0	1533.9	1543.9
5°	1342.1	1343.0	1361.3	1374.6	1398.8	1418.0	1438.8	1437.2	1478.0	1530.5	1563.9
7.5°	1254.6	1256.3	1275.4	1296.3	1331.3	1368.8	1400.5	1398.8	1464.7	1534.7	1598.0
10°	1139.6	1147.9	1171.2	1207.9	1262.9	1322.1	1366.3	1370.5	1449.7	1550.5	1644.7
12.5°	1047.0	1051.2	1077.0	1124.5	1189.6	1267.1	1349.6	1347.1	1453.0	1579.7	1705.6
15°	1007.8	1005.3	1021.2	1056.2	1130.4	1227.9	1332.9	1338.8	1464.7	1613.0	1768.9
17.5°	1017.0	1014.5	1022.8	1035.3	1087.9	1195.4	1323.8	1333.8	1483.0	1648.1	1828.1
20°	1118.7	1101.2	1086.2	1072.9	1080.4	1168.7	1317.9	1328.8	1493.8	1674.7	1890.6
22.5°	1314.6	1292.9	1252.9	1178.7	1129.5	1170.4	1319.6	1333.8	1518.0	1718.1	1966.5
25°	1633.9	1613.0	1527.2	1375.5	1245.4	1230.4	1342.1	1357.1	1573.9	1783.9	2047.4
27.5°	2056.5	2009.8	1905.6	1688.1	1437.2	1326.3	1409.6	1426.3	1653.1	1834.8	2102.4
30°	2407.5	2396.6	2296.6	2029.9	1701.4	1467.2	1485.5	1494.7	1688.9	1865.6	2157.4
32.5°	2771.8	2749.3	2657.6	2398.3	2008.2	1668.1	1570.5	1574.7	1735.6	1911.5	2237.4
35°	3088.5	3067.7	2991.0	2739.3	2366.6	1938.2	1711.4	1702.2	1832.3	2012.3	2345.8
37.5°	3382.0	3379.5	3311.9	3055.2	2688.4	2218.2	1919.0	1911.5	1983.2	2123.2	2492.5
40°	3668.7	3662.1	3604.5	3370.3	3005.2	2497.5	2116.5	2097.4	2111.5	2278.3	2685.9
42.5°	3844.6	3858.8	3878.8	3730.4	3381.1	2825.1	2366.6	2355.0	2352.5	2520.8	2940.2
45°	3939.7	3964.7	4082.2	4068.9	3779.6	3232.8	2722.6	2692.6	2682.6	2854.3	3231.1
47.5°	4032.2	4043.0	4235.6	4316.5	4161.4	3657.9	3152.7	3111.0	3070.2	3261.1	3578.7
50°	4038.0	4055.5	4293.9	4490.7	4481.5	4076.4	3635.4	3598.7	3552.0	3756.3	3918.0
52.5°	3956.3	3991.3	4286.4	4600.7	4679.9	4445.7	4136.4	4106.4	4068.0	4220.6	4203.9
55°	3392.0	3451.2	4139.7	4610.7	4819.1	4762.4	4639.9	4598.2	4560.7	4669.1	4484.0
57.5°	3123.6	3156.9	3694.6	4603.2	4996.7	5055.9	5076.7	5057.5	5005.0	5140.1	4776.6
60°	2962.7	3011.0	3482.0	4519.9	5188.4	5387.6	5518.5	5480.2	5416.0	5601.9	5090.0
62.5°	2770.1	2805.1	3270.3	4279.8	5302.6	5725.3	5932.8	5897.8	5765.3	6027.9	5343.5
65°	2415.0	2467.5	2933.5	3902.1	5149.2	5972.8	6323.0	6311.3	6081.2	6349.6	5412.7
67.5°	1965.7	2013.2	2447.5	3384.5	4700.8	5880.3	6543.9	6507.2	6224.6	6373.8	5193.4
70°	1475.5	1501.3	1828.9	2585.9	3851.3	5386.0	6383.8	6376.3	6007.0	6015.4	4520.7
72.5°	791.9	863.6	1216.2	1730.6	2708.4	4362.3	5689.4	5659.4	5359.3	4926.7	3251.1
75°	276.8	297.6	647.7	972.0	1471.3	2906.0	4374.8	4304.8	4008.0	3204.4	1771.4
77.5°	170.1	186.7	287.6	496.8	572.7	1261.3	2628.4	2537.5	2345.8	1385.5	605.2
80°	117.5	132.5	192.6	260.1	195.1	408.5	1209.6	1175.4	904.5	330.1	139.2
82.5°	65.9	79.2	145.9	127.5	78.4	105.9	419.3	388.5	240.9	89.2	46.7
85°	38.3	45.8	102.5	90.0	40.0	37.5	109.2	97.5	62.5	33.3	22.5
87.5°	20.0	25.8	75.0	60.0	24.2	13.3	25.0	24.2	15.8	11.7	15.0
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°	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5	1550.5
2.5°	1562.2	1558.0	1579.7	1587.2	1585.5	1582.2	1590.5	1579.7	1578.9	1576.4	1573.9
5°	1590.5	1597.2	1614.7	1614.7	1591.4	1553.0	1529.7	1498.0	1471.3	1455.5	1453.0
7.5°	1633.1	1646.4	1658.1	1622.2	1542.2	1447.2	1346.3	1267.1	1197.9	1162.1	1158.7
10°	1693.1	1705.6	1696.4	1593.9	1422.1	1225.4	1061.2	896.1	813.6	768.6	768.6
12.5°	1764.8	1774.8	1718.9	1523.0	1224.6	939.5	720.2	546.9	464.3	411.0	407.6
15°	1842.3	1844.8	1715.6	1399.6	980.3	631.0	413.5	303.4	268.4	260.9	259.3
17.5°	1909.8	1899.8	1680.6	1217.1	706.1	376.0	262.6	237.6	230.9	230.9	230.9
20°	1973.2	1939.8	1610.5	1004.5	452.7	255.9	225.9	219.2	219.2	220.1	220.1
22.5°	2043.2	1977.3	1510.5	768.6	290.9	219.2	211.7	208.4	207.6	210.1	209.2
25°	2125.7	2014.0	1367.1	531.0	225.1	204.2	200.9	197.6	197.6	197.6	197.6
27.5°	2171.6	2009.0	1203.7	335.1	196.7	189.2	185.9	182.6	180.1	179.2	180.1
30°	2211.6	1979.8	990.3	234.2	177.6	169.2	166.7	162.6	157.6	155.9	155.9
32.5°	2264.1	1955.7	766.9	188.4	160.9	151.7	144.2	137.5	129.2	125.9	125.0
35°	2322.4	1911.5	561.9	165.9	145.9	134.2	122.5	111.7	100.9	97.5	96.7
37.5°	2395.0	1871.5	381.0	153.4	133.4	119.2	103.4	88.4	78.4	76.7	76.7
40°	2493.3	1838.1	263.4	142.5	121.7	105.0	85.9	70.0	63.4	61.7	61.7
42.5°	2627.6	1810.6	199.2	133.4	111.7	90.9	69.2	57.5	52.5	50.9	50.9
45°	2785.9	1768.1	168.4	125.0	101.7	76.7	57.5	48.3	45.8	45.8	45.8
47.5°	2967.7	1714.7	153.4	116.7	90.9	62.5	48.3	44.2	43.3	43.3	44.2
50°	3151.1	1651.4	142.5	106.7	78.4	53.4	44.2	41.7	41.7	42.5	42.5
52.5°	3275.3	1552.2	131.7	95.9	65.9	46.7	41.7	40.8	40.0	40.0	40.0
55°	3396.1	1465.5	116.7	84.2	55.0	43.3	40.0	39.2	39.2	38.3	38.3
57.5°	3522.0	1397.1	97.5	70.0	46.7	40.8	38.3	38.3	36.7	35.8	35.8
60°	3667.9	1337.1	75.0	55.0	40.8	38.3	35.8	35.0	33.3	31.7	31.7
62.5°	3710.4	1210.4	56.7	44.2	35.0	33.3	32.5	30.8	26.7	23.3	24.2
65°	3599.5	1011.2	45.0	35.0	28.3	28.3	25.8	21.7	17.5	15.0	15.0
67.5°	3293.6	755.3	36.7	27.5	22.5	21.7	18.3	15.8	10.8	9.2	9.2
70°	2714.2	499.3	30.0	21.7	18.3	15.0	12.5	11.7	8.3	6.7	6.7
72.5°	1902.3	270.9	25.0	17.5	13.3	10.0	8.3	7.5	5.8	5.0	4.2
75°	1004.5	104.2	20.0	13.3	8.3	6.7	5.0	5.0	4.2	3.3	3.3
77.5°	344.3	44.2	14.2	7.5	5.8	4.2	3.3	2.5	3.3	2.5	2.5
80°	81.7	25.8	9.2	5.0	3.3	2.5	2.5	1.7	1.7	1.7	1.7
82.5°	35.8	15.0	5.8	3.3	3.3	2.5	1.7	0.8	0.8	0.8	0.8
85°	24.2	9.2	4.2	3.3	2.5	1.7	0.8	0.8	0.0	0.0	0.0
87.5°	19.2	5.8	3.3	3.3	2.5	1.7	0.8	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)