

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: P674712

Luminaire Tested: **CCP-SA-2E-740-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674712
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-740-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T3R distribution lens and House Side Shield
Light Source: (32) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

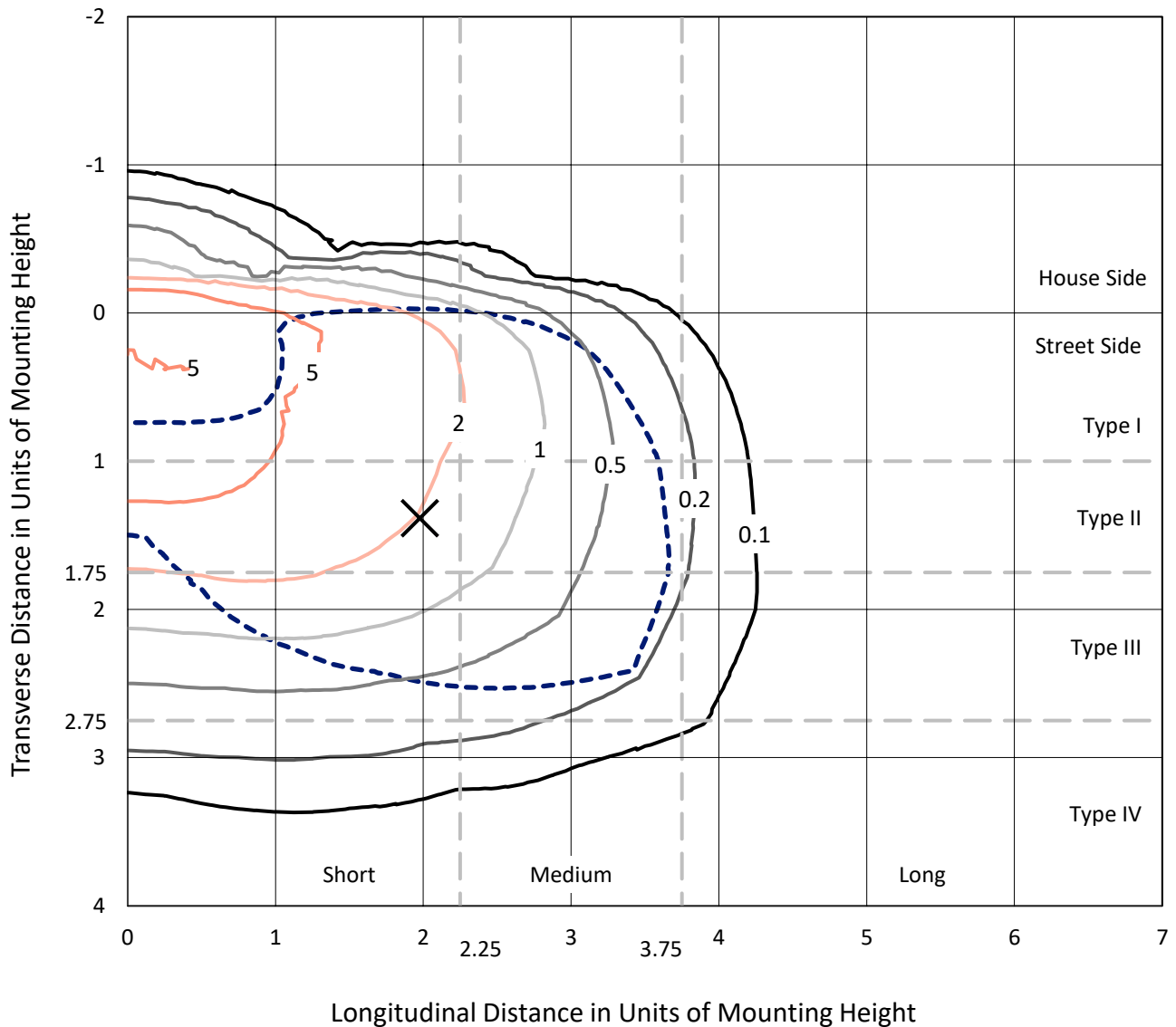
Lumens per Lamp: N/A
Luminaire Lumens: 10844 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 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

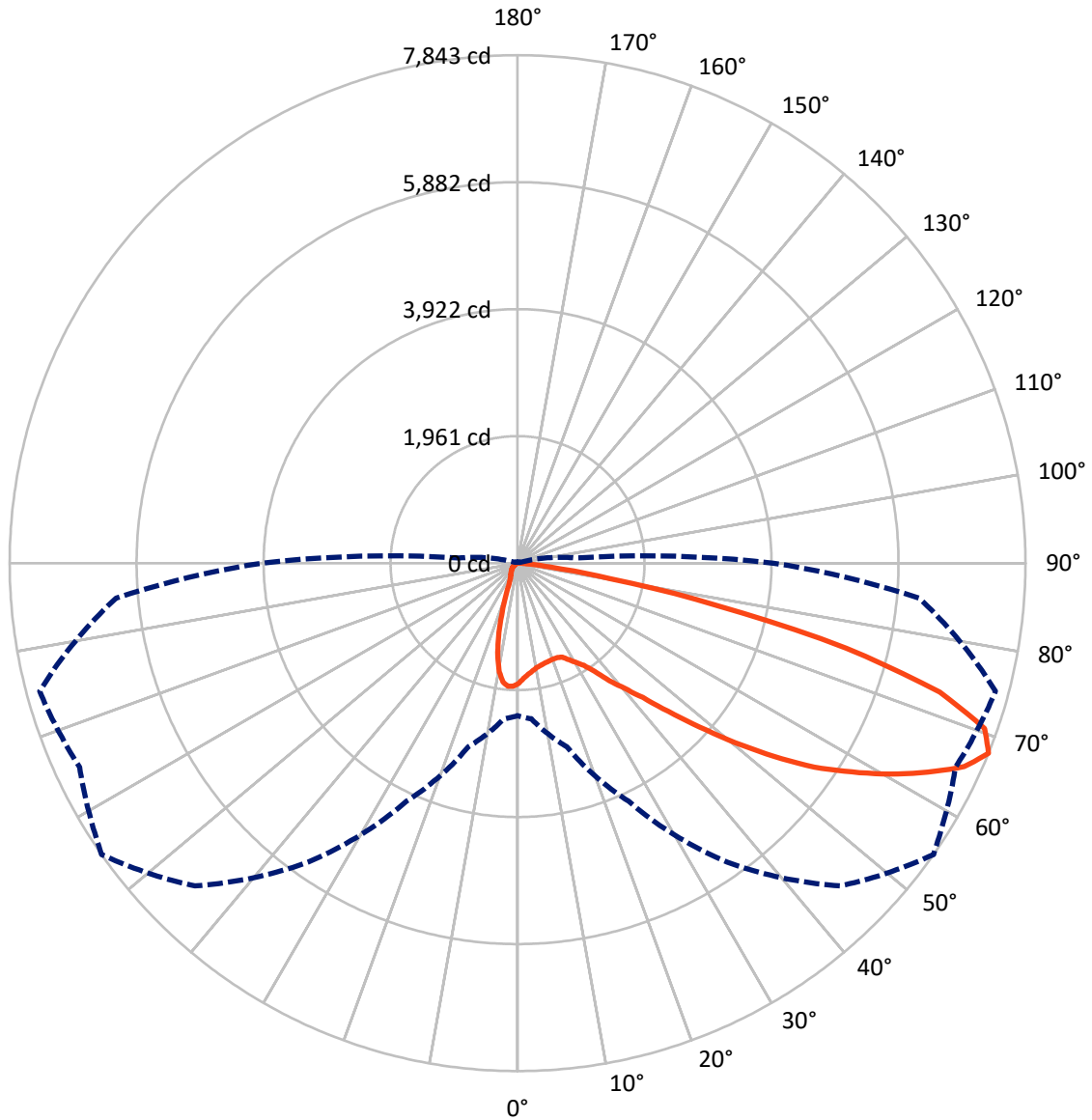
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9 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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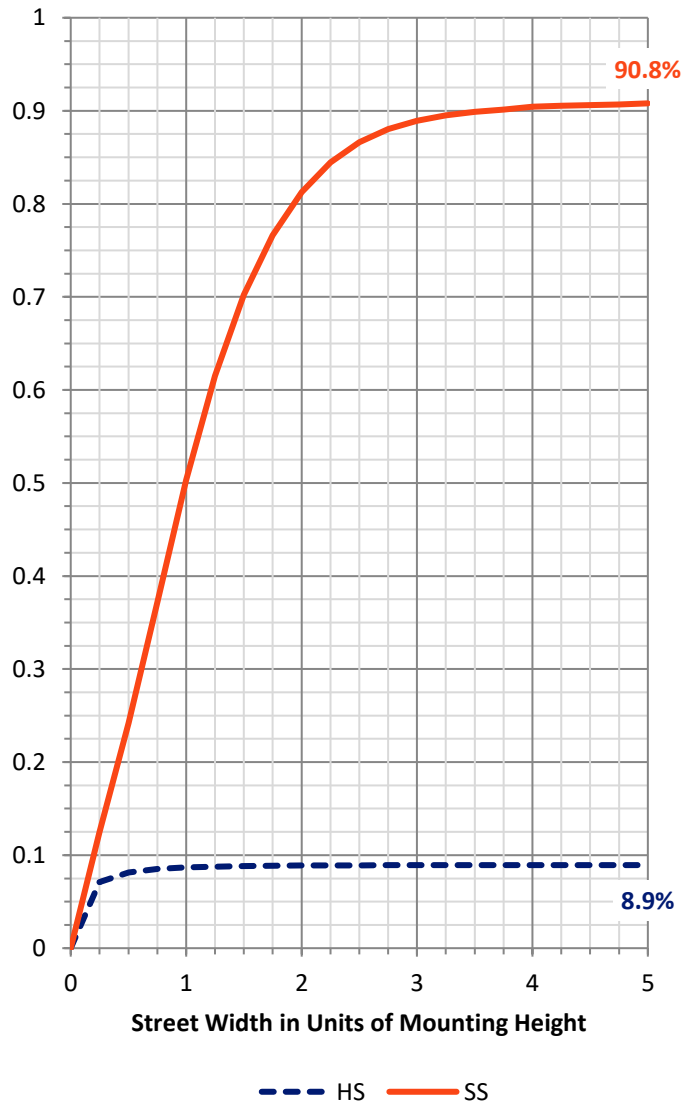
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	974.2	0.0	974.2
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	9869.8	0.0	9869.8
	% Fixture	91.0	0.0	91.0
Total	Lumens	10844.0	0.0	10844.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.1	1.5
10°-20°	371.3	3.4
20°-30°	595.8	5.5
30°-40°	1033.3	9.5
40°-50°	1723.0	15.9
50°-60°	2519.5	23.2
60°-70°	2937.8	27.1
70°-80°	1425.7	13.1
80°-90°	74.6	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°	10844.0	100.0
0°-180°	10844.0	100.0



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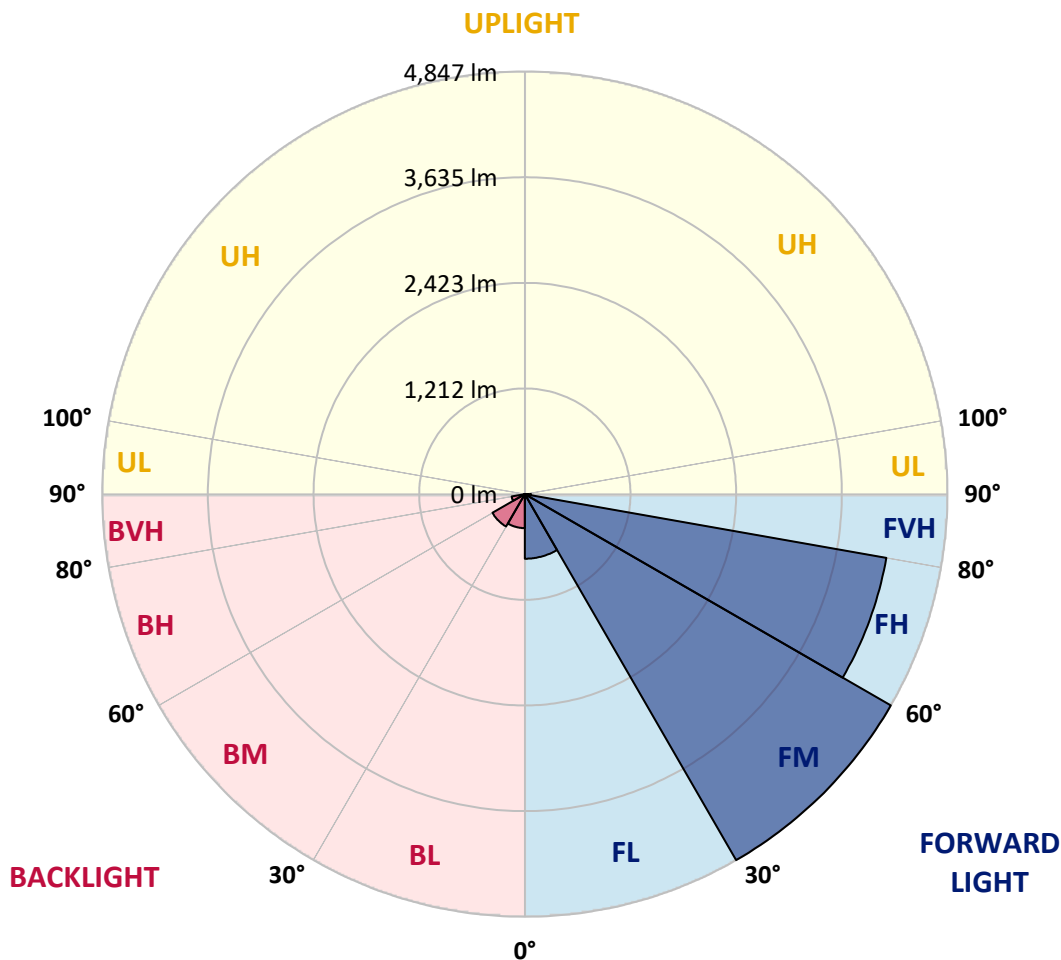
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	740.8	6.8			
FM (30°-60°)	4846.9	44.7			
FH (60°-80°)	4209.8	38.8			G2/5000
FVH (80°-90°)	72.4	0.7			G1/100
BL (0°-30°)	389.4	3.6	B1/500		
BM (30°-60°)	428.9	4.0	B1/1000		
BH (60°-80°)	153.7	1.4	B1/500		G1/500
BVH (80°-90°)	2.2	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°	1858.3	1858.3	1858.3	1858.3	1858.3	1858.3	1858.3	1858.3	1858.3	1858.3	1858.3
2.5°	1715.5	1726.5	1740.5	1745.4	1762.4	1786.4	1779.4	1774.4	1801.4	1838.4	1850.4
5°	1608.6	1609.6	1631.6	1647.5	1676.5	1699.5	1724.5	1722.5	1771.4	1834.4	1874.3
7.5°	1503.7	1505.7	1528.6	1553.6	1595.6	1640.5	1678.5	1676.5	1755.4	1839.4	1915.3
10°	1365.8	1375.8	1403.8	1447.7	1513.7	1584.6	1637.5	1642.5	1737.5	1858.3	1971.2
12.5°	1254.9	1259.9	1290.9	1347.8	1425.7	1518.7	1617.6	1614.6	1741.5	1893.3	2044.2
15°	1207.9	1204.9	1223.9	1265.9	1354.8	1471.7	1597.6	1604.6	1755.4	1933.3	2120.1
17.5°	1218.9	1215.9	1225.9	1240.9	1303.8	1432.7	1586.6	1598.6	1777.4	1975.2	2191.1
20°	1340.8	1319.8	1301.8	1285.9	1294.9	1400.8	1579.6	1592.6	1790.4	2007.2	2266.0
22.5°	1575.6	1549.6	1501.7	1412.7	1353.8	1402.8	1581.6	1598.6	1819.4	2059.2	2356.9
25°	1958.3	1933.3	1830.4	1648.5	1492.7	1474.7	1608.6	1626.6	1886.3	2138.1	2453.8
27.5°	2464.8	2408.9	2284.0	2023.2	1722.5	1589.6	1689.5	1709.5	1981.2	2199.0	2519.8
30°	2885.4	2872.4	2752.6	2432.8	2039.2	1758.4	1780.4	1791.4	2024.2	2236.0	2585.7
32.5°	3322.0	3295.1	3185.2	2874.4	2406.9	1999.2	1882.3	1887.3	2080.2	2291.0	2681.6
35°	3701.7	3676.7	3584.8	3283.1	2836.5	2322.9	2051.2	2040.2	2196.0	2411.9	2811.5
37.5°	4053.4	4050.4	3969.5	3661.7	3222.1	2658.6	2300.0	2291.0	2376.9	2544.7	2987.3
40°	4397.1	4389.1	4320.2	4039.4	3601.8	2993.3	2536.7	2513.8	2530.8	2730.6	3219.1
42.5°	4607.9	4624.9	4648.9	4471.0	4052.4	3386.0	2836.5	2822.5	2819.5	3021.3	3523.9
45°	4721.8	4751.8	4892.7	4876.7	4530.0	3874.6	3263.1	3227.1	3215.1	3421.0	3872.6
47.5°	4832.7	4845.7	5076.5	5173.4	4987.6	4384.1	3778.6	3728.7	3679.7	3908.5	4289.2
50°	4839.7	4860.7	5146.4	5382.2	5371.2	4885.7	4357.1	4313.2	4257.2	4502.0	4695.8
52.5°	4741.8	4783.8	5137.4	5514.1	5609.0	5328.3	4957.6	4921.6	4875.7	5058.5	5038.5
55°	4065.4	4136.3	4961.6	5526.1	5775.9	5707.9	5561.1	5511.1	5466.1	5596.0	5374.2
57.5°	3743.7	3783.6	4428.1	5517.1	5988.7	6059.6	6084.6	6061.6	5998.7	6160.5	5724.9
60°	3550.8	3608.8	4173.3	5417.2	6218.5	6457.3	6614.1	6568.2	6491.2	6714.0	6100.6
62.5°	3320.1	3362.0	3919.5	5129.4	6355.4	6861.9	7110.7	7068.7	6909.9	7224.6	6404.3
65°	2894.4	2957.4	3515.9	4676.8	6171.5	7158.6	7578.3	7564.3	7288.5	7610.2	6487.2
67.5°	2355.9	2412.9	2933.4	4056.4	5634.0	7047.7	7843.0	7799.1	7460.4	7639.2	6224.5
70°	1768.4	1799.4	2192.1	3099.2	4615.9	6455.3	7651.2	7642.2	7199.6	7209.6	5418.2
72.5°	949.2	1035.1	1457.7	2074.2	3246.1	5228.4	6818.9	6783.0	6423.3	5904.8	3896.5
75°	331.7	356.7	776.3	1165.0	1763.4	3482.9	5243.3	5159.4	4803.7	3840.6	2123.1
77.5°	203.8	223.8	344.7	595.5	686.4	1511.7	3150.2	3041.3	2811.5	1660.5	725.4
80°	140.9	158.9	230.8	311.7	233.8	489.6	1449.7	1408.7	1084.0	395.6	166.9
82.5°	78.9	94.9	174.8	152.9	93.9	126.9	502.6	465.6	288.7	106.9	56.0
85°	46.0	55.0	122.9	107.9	48.0	45.0	130.9	116.9	74.9	40.0	27.0
87.5°	24.0	31.0	89.9	71.9	29.0	16.0	30.0	29.0	19.0	14.0	18.0
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°	1858.3	1858.3	1858.3	1858.3	1858.3	1858.3	1858.3	1858.3	1858.3	1858.3	1858.3
2.5°	1872.3	1867.3	1893.3	1902.3	1900.3	1896.3	1906.3	1893.3	1892.3	1889.3	1886.3
5°	1906.3	1914.3	1935.3	1935.3	1907.3	1861.3	1833.4	1795.4	1763.4	1744.5	1741.5
7.5°	1957.3	1973.2	1987.2	1944.3	1848.4	1734.5	1613.6	1518.7	1435.7	1392.8	1388.8
10°	2029.2	2044.2	2033.2	1910.3	1704.5	1468.7	1271.9	1074.0	975.1	921.2	921.2
12.5°	2115.1	2127.1	2060.2	1825.4	1467.7	1126.0	863.2	655.4	556.5	492.6	488.6
15°	2208.0	2211.0	2056.2	1677.5	1175.0	756.3	495.6	363.7	321.7	312.7	310.7
17.5°	2289.0	2277.0	2014.2	1458.7	846.2	450.6	314.7	284.7	276.8	276.8	276.8
20°	2364.9	2324.9	1930.3	1203.9	542.5	306.7	270.8	262.8	262.8	263.8	263.8
22.5°	2448.8	2369.9	1810.4	921.2	348.7	262.8	253.8	249.8	248.8	251.8	250.8
25°	2547.7	2413.9	1638.5	636.4	269.8	244.8	240.8	236.8	236.8	236.8	236.8
27.5°	2602.7	2407.9	1442.7	401.6	235.8	226.8	222.8	218.8	215.8	214.8	215.8
30°	2650.6	2372.9	1186.9	280.8	212.8	202.8	199.8	194.8	188.8	186.8	186.8
32.5°	2713.6	2343.9	919.2	225.8	192.8	181.8	172.8	164.9	154.9	150.9	149.9
35°	2783.5	2291.0	673.4	198.8	174.8	160.9	146.9	133.9	120.9	116.9	115.9
37.5°	2870.5	2243.0	456.6	183.8	159.9	142.9	123.9	105.9	93.9	91.9	91.9
40°	2988.3	2203.0	315.7	170.8	145.9	125.9	102.9	83.9	75.9	73.9	73.9
42.5°	3149.2	2170.1	238.8	159.9	133.9	108.9	82.9	68.9	62.9	60.9	60.9
45°	3339.0	2119.1	201.8	149.9	121.9	91.9	68.9	57.9	55.0	55.0	55.0
47.5°	3556.8	2055.2	183.8	139.9	108.9	74.9	57.9	53.0	52.0	52.0	53.0
50°	3776.6	1979.2	170.8	127.9	93.9	63.9	53.0	50.0	50.0	51.0	51.0
52.5°	3925.5	1860.3	157.9	114.9	78.9	56.0	50.0	49.0	48.0	48.0	48.0
55°	4070.4	1756.4	139.9	100.9	65.9	52.0	48.0	47.0	47.0	46.0	46.0
57.5°	4221.3	1674.5	116.9	83.9	56.0	49.0	46.0	46.0	44.0	43.0	43.0
60°	4396.1	1602.6	89.9	65.9	49.0	46.0	43.0	42.0	40.0	38.0	38.0
62.5°	4447.1	1450.7	67.9	53.0	42.0	40.0	39.0	37.0	32.0	28.0	29.0
65°	4314.2	1211.9	54.0	42.0	34.0	34.0	31.0	26.0	21.0	18.0	18.0
67.5°	3947.5	905.2	44.0	33.0	27.0	26.0	22.0	19.0	13.0	11.0	11.0
70°	3253.1	598.5	36.0	26.0	22.0	18.0	15.0	14.0	10.0	8.0	8.0
72.5°	2280.0	324.7	30.0	21.0	16.0	12.0	10.0	9.0	7.0	6.0	5.0
75°	1203.9	124.9	24.0	16.0	10.0	8.0	6.0	6.0	5.0	4.0	4.0
77.5°	412.6	53.0	17.0	9.0	7.0	5.0	4.0	3.0	4.0	3.0	3.0
80°	97.9	31.0	11.0	6.0	4.0	3.0	3.0	2.0	2.0	2.0	2.0
82.5°	43.0	18.0	7.0	4.0	4.0	3.0	2.0	1.0	1.0	1.0	1.0
85°	29.0	11.0	5.0	4.0	3.0	2.0	1.0	1.0	0.0	0.0	0.0
87.5°	23.0	7.0	4.0	4.0	3.0	2.0	1.0	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)