

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: P671405

Luminaire Tested: **CCP-SA-1E-750-U-SL3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671405
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-750-U-SL3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/ SL3 distribution lens
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

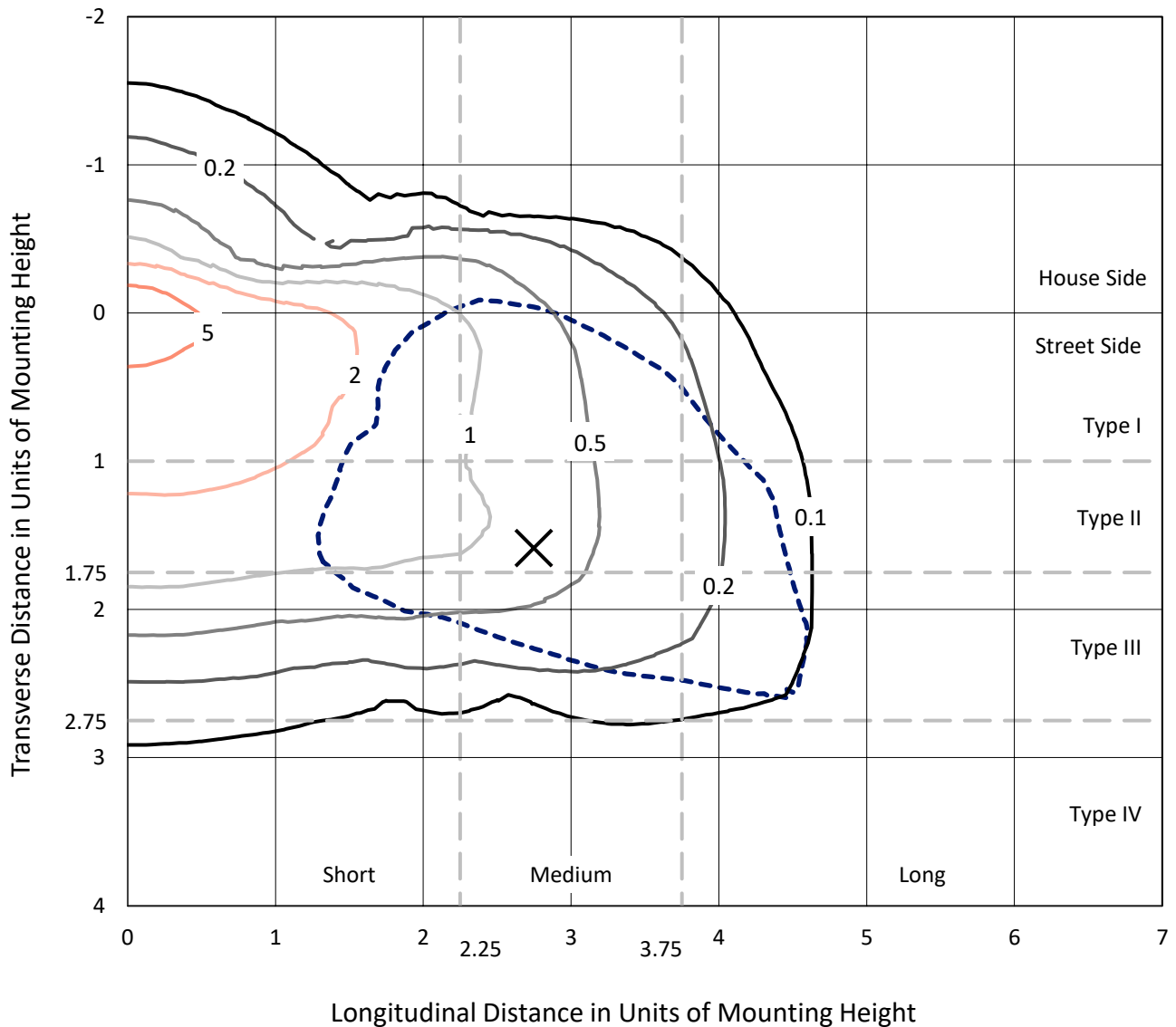
Lumens per Lamp: N/A
Luminaire Lumens: 6914.8 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (A_{in}): 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

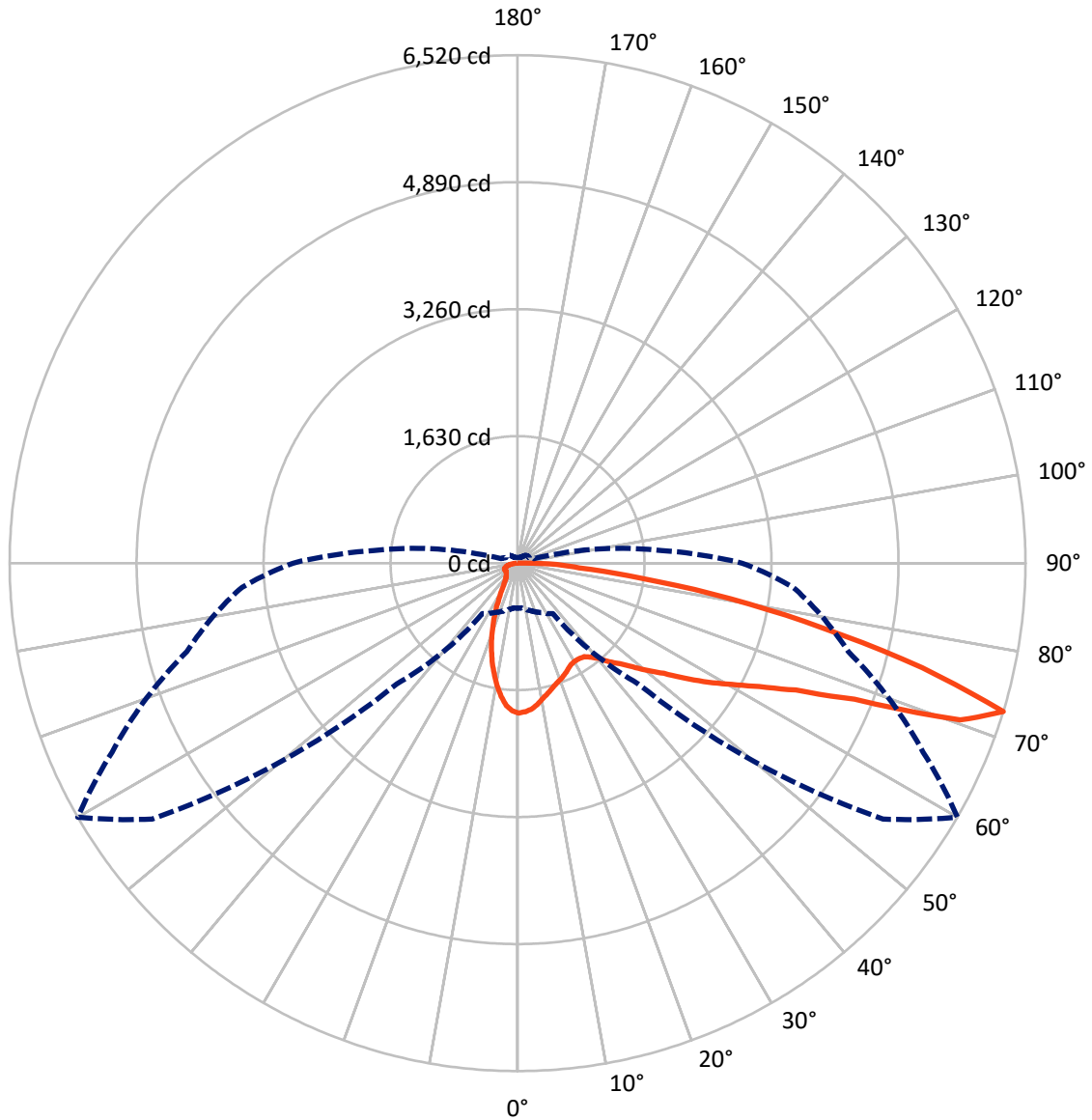
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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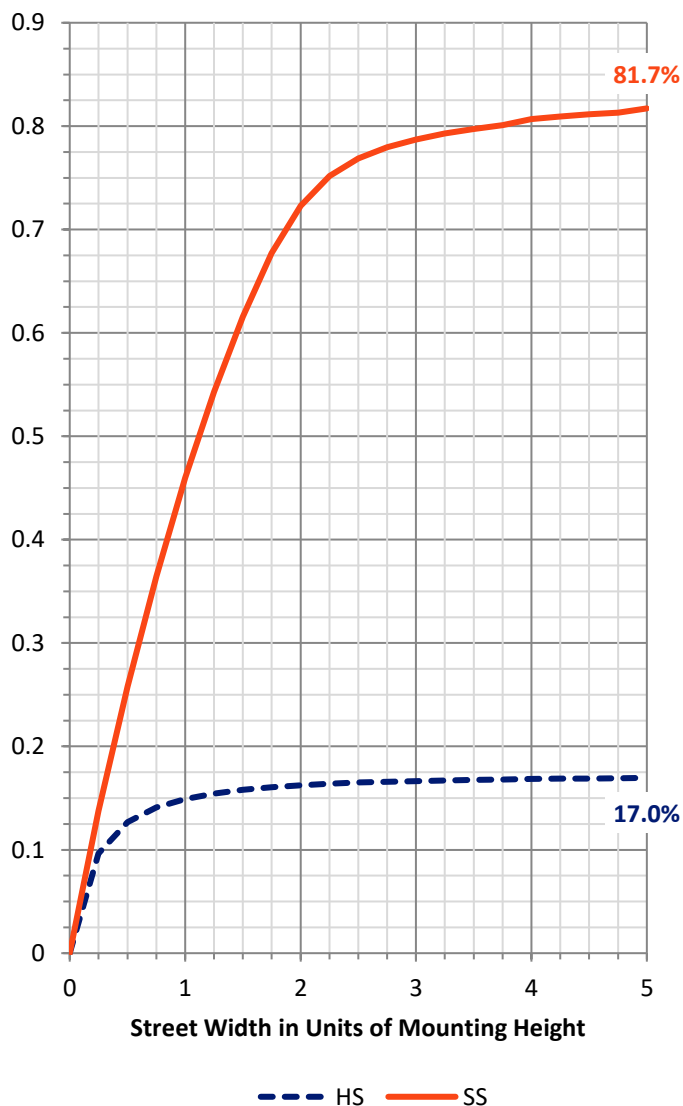
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1187.9	0.0	1187.9
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	5727.0	0.0	5727.0
	% Fixture	82.8	0.0	82.8
Total	Lumens	6914.8	0.0	6914.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.9	2.4
10°-20°	378.4	5.5
20°-30°	484.3	7.0
30°-40°	619.6	9.0
40°-50°	849.8	12.3
50°-60°	1229.1	17.8
60°-70°	1686.2	24.4
70°-80°	1265.3	18.3
80°-90°	235.2	3.4
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°	6914.8	100.0
0°-180°	6914.8	100.0



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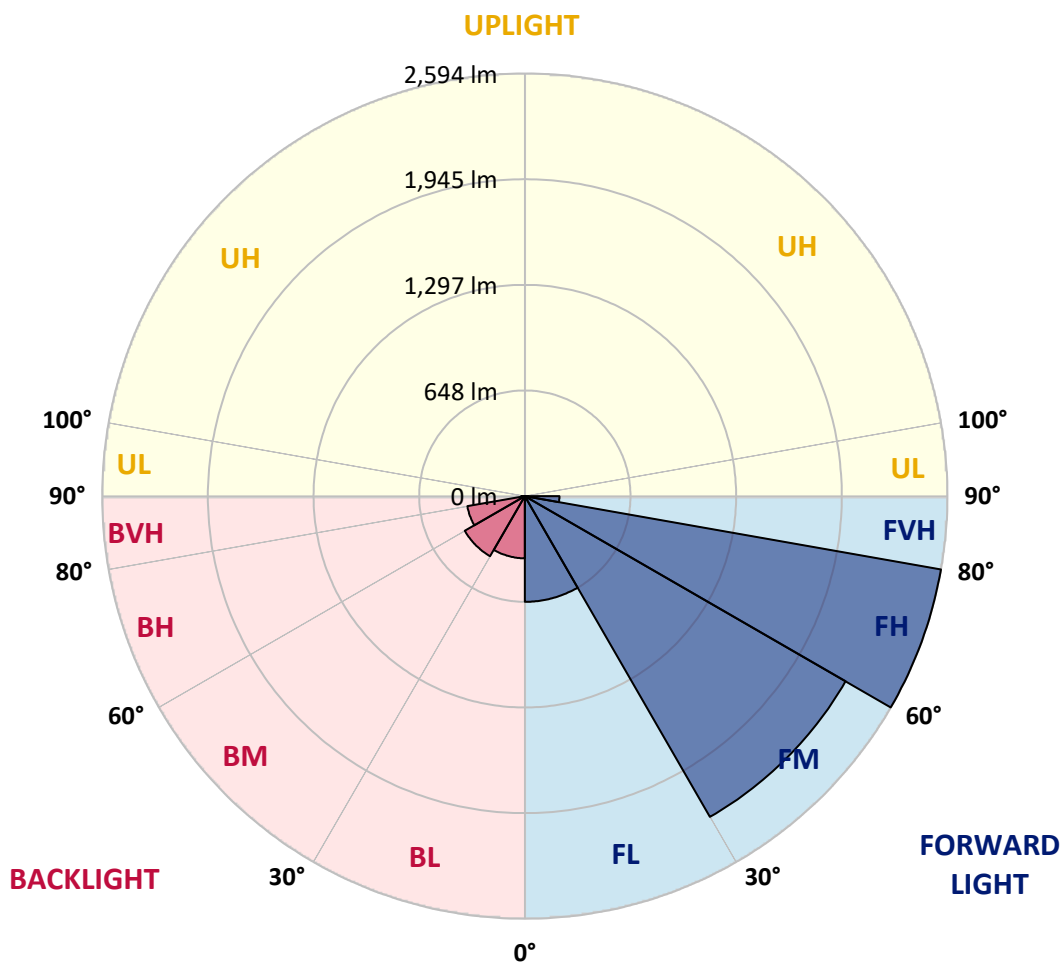
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	648.4	9.4			
FM (30°-60°)	2272.9	32.9			
FH (60°-80°)	2593.5	37.5			G2/5000
FVH (80°-90°)	212.3	3.1			G2/225
BL (0°-30°)	381.3	5.5	B1/500		
BM (30°-60°)	425.7	6.2	B1/1000		
BH (60°-80°)	358.0	5.2	B1/500		G1/500
BVH (80°-90°)	22.9	0.3			G1/100
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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1925.4	1925.4	1925.4	1925.4	1925.4	1925.4	1925.4	1925.4	1925.4	1925.4	1925.4
2.5°	1884.3	1902.3	1907.4	1907.4	1922.9	1904.8	1930.6	1910.0	1915.1	1922.9	1917.7
5°	1794.2	1825.1	1807.0	1840.5	1827.6	1850.8	1881.7	1881.7	1874.0	1889.4	1876.5
7.5°	1706.6	1696.3	1727.2	1727.2	1747.8	1778.7	1804.5	1830.2	1832.8	1837.9	1835.3
10°	1588.2	1601.1	1616.5	1637.1	1662.9	1693.8	1747.8	1768.4	1773.6	1804.5	1796.7
12.5°	1490.4	1508.4	1518.7	1559.9	1583.1	1626.8	1688.6	1716.9	1719.5	1763.3	1763.3
15°	1418.3	1428.6	1451.8	1467.2	1518.7	1580.5	1639.7	1665.5	1693.8	1740.1	1727.2
17.5°	1369.4	1382.3	1392.6	1413.2	1462.1	1513.6	1606.3	1621.7	1655.2	1722.1	1706.6
20°	1341.1	1343.7	1359.1	1372.0	1415.8	1464.7	1547.0	1588.2	1632.0	1691.2	1675.8
22.5°	1346.3	1336.0	1333.4	1351.4	1359.1	1405.5	1505.9	1549.6	1611.4	1680.9	1655.2
25°	1356.6	1359.1	1354.0	1338.5	1341.1	1382.3	1449.2	1505.9	1575.4	1678.3	1626.8
27.5°	1382.3	1395.2	1374.6	1359.1	1343.7	1359.1	1428.6	1469.8	1547.0	1691.2	1624.3
30°	1408.0	1420.9	1415.8	1392.6	1361.7	1356.6	1405.5	1457.0	1531.6	1701.5	1624.3
32.5°	1446.7	1464.7	1446.7	1454.4	1418.3	1395.2	1413.2	1459.5	1547.0	1737.5	1626.8
35°	1490.4	1505.9	1511.0	1493.0	1485.3	1441.5	1451.8	1475.0	1562.5	1778.7	1652.6
37.5°	1539.3	1557.3	1572.8	1575.4	1549.6	1523.9	1518.7	1531.6	1601.1	1850.8	1680.9
40°	1572.8	1583.1	1614.0	1639.7	1647.4	1611.4	1608.8	1608.8	1670.6	1915.1	1732.4
42.5°	1629.4	1624.3	1668.0	1714.4	1727.2	1706.6	1711.8	1732.4	1768.4	2007.8	1814.8
45°	1657.7	1652.6	1704.1	1781.3	1840.5	1830.2	1835.3	1843.1	1876.5	2154.5	1953.8
47.5°	1696.3	1701.5	1776.1	1863.7	1925.4	1961.5	1989.8	1987.2	2013.0	2303.8	2108.2
50°	1735.0	1745.3	1835.3	1928.0	2036.1	2097.9	2139.1	2167.4	2193.2	2460.9	2285.8
52.5°	1809.6	1819.9	1920.3	2020.7	2159.7	2249.8	2352.7	2350.2	2352.7	2617.9	2463.4
55°	1917.7	1920.3	1979.5	2095.3	2283.2	2448.0	2589.6	2605.0	2561.3	2813.5	2666.8
57.5°	2041.3	2051.6	2103.1	2190.6	2381.1	2638.5	2854.7	2885.6	2767.2	2973.1	2852.1
60°	2157.1	2164.8	2244.6	2345.0	2551.0	2877.9	3122.4	3158.4	3029.7	3168.7	3045.2
62.5°	2025.8	2064.4	2206.0	2435.1	2849.6	3240.8	3462.2	3485.4	3284.6	3367.0	3251.1
65°	1621.7	1647.4	1850.8	2221.5	2870.1	3899.8	3987.3	3925.5	3634.7	3621.8	3562.6
67.5°	903.5	924.1	1063.1	1451.8	2417.1	4146.9	5117.4	4664.3	4177.8	4005.3	3984.7
70°	713.0	718.2	736.2	816.0	1341.1	3655.3	6008.0	6028.6	5065.9	4533.0	4074.8
72.5°	579.2	576.6	630.7	700.2	792.8	2193.2	5727.4	6520.2	5745.4	4394.0	3549.7
75°	442.7	450.5	520.0	620.4	725.9	1032.2	4273.0	5364.5	5382.5	4095.4	2993.7
77.5°	337.2	339.8	417.0	548.3	710.5	728.5	2787.8	3997.6	4015.6	3171.3	1650.0
80°	252.3	252.3	316.6	463.3	692.4	671.8	1716.9	2772.3	2509.8	1114.6	360.4
82.5°	144.2	154.4	211.1	352.7	628.1	646.1	967.9	1588.2	1060.5	303.7	167.3
85°	77.2	79.8	128.7	236.8	517.4	617.8	738.8	790.3	422.2	162.2	77.2
87.5°	28.3	28.3	59.2	121.0	326.9	458.2	586.9	504.5	242.0	74.6	38.6
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°	1925.4	1925.4	1925.4	1925.4	1925.4	1925.4	1925.4	1925.4	1925.4	1925.4	1925.4
2.5°	1922.9	1912.6	1904.8	1912.6	1884.3	1871.4	1886.8	1879.1	1863.7	1855.9	1850.8
5°	1884.3	1871.4	1858.5	1850.8	1819.9	1789.0	1773.6	1742.7	1716.9	1724.7	1709.2
7.5°	1843.1	1830.2	1791.6	1755.6	1693.8	1632.0	1603.7	1559.9	1544.5	1531.6	1523.9
10°	1791.6	1768.4	1709.2	1637.1	1547.0	1477.5	1405.5	1354.0	1299.9	1276.8	1284.5
12.5°	1727.2	1714.4	1621.7	1511.0	1384.9	1269.0	1184.1	1101.7	1029.6	991.0	980.7
15°	1698.9	1660.3	1526.5	1379.7	1220.1	1076.0	949.9	805.7	720.8	679.6	679.6
17.5°	1668.0	1596.0	1436.4	1235.6	1052.8	867.5	689.9	558.6	491.7	468.5	468.5
20°	1619.1	1539.3	1330.8	1099.1	877.8	653.8	494.2	422.2	401.6	386.1	388.7
22.5°	1583.1	1485.3	1233.0	965.3	695.0	486.5	388.7	365.5	357.8	352.7	355.2
25°	1541.9	1420.9	1130.0	821.1	545.7	383.5	337.2	326.9	332.1	334.6	334.6
27.5°	1508.4	1366.9	1024.5	666.7	411.9	324.3	303.7	301.2	311.5	316.6	319.2
30°	1485.3	1318.0	921.5	525.1	329.5	288.3	278.0	278.0	290.9	296.0	298.6
32.5°	1462.1	1276.8	810.8	401.6	280.6	257.4	254.8	257.4	265.1	265.1	267.7
35°	1469.8	1238.2	705.3	324.3	252.3	236.8	236.8	236.8	239.4	242.0	242.0
37.5°	1485.3	1227.9	592.0	272.9	231.7	221.4	221.4	218.8	221.4	218.8	221.4
40°	1500.7	1212.4	489.1	242.0	218.8	211.1	208.5	203.4	200.8	200.8	203.4
42.5°	1565.1	1233.0	401.6	221.4	208.5	203.4	195.6	190.5	187.9	187.9	187.9
45°	1647.4	1271.6	332.1	211.1	200.8	187.9	182.8	180.2	175.0	177.6	180.2
47.5°	1771.0	1330.8	290.9	203.4	193.1	177.6	172.5	167.3	167.3	172.5	172.5
50°	1933.2	1428.6	265.1	195.6	185.3	169.9	162.2	159.6	159.6	167.3	167.3
52.5°	2108.2	1541.9	254.8	193.1	177.6	162.2	154.4	151.9	151.9	162.2	162.2
55°	2283.2	1680.9	262.6	193.1	172.5	154.4	146.7	141.6	144.2	151.9	151.9
57.5°	2476.3	1830.2	301.2	193.1	167.3	151.9	141.6	133.9	136.4	139.0	139.0
60°	2687.4	2025.8	368.1	193.1	164.7	146.7	133.9	123.6	123.6	126.1	126.1
62.5°	2901.0	2218.9	463.3	195.6	167.3	144.2	123.6	113.3	110.7	113.3	113.3
65°	3181.6	2527.8	558.6	195.6	175.0	139.0	115.8	103.0	100.4	100.4	103.0
67.5°	3575.5	2749.2	432.5	187.9	180.2	139.0	108.1	95.2	90.1	90.1	90.1
70°	3367.0	2319.3	275.4	175.0	172.5	144.2	103.0	87.5	82.4	79.8	79.8
72.5°	2883.0	1855.9	221.4	164.7	159.6	141.6	97.8	82.4	74.6	72.1	72.1
75°	2311.6	1464.7	193.1	149.3	139.0	118.4	90.1	74.6	69.5	64.4	64.4
77.5°	1132.6	612.6	146.7	131.3	118.4	90.1	79.8	69.5	61.8	56.6	56.6
80°	283.2	213.7	108.1	103.0	87.5	69.5	64.4	59.2	54.1	48.9	48.9
82.5°	151.9	126.1	77.2	69.5	59.2	48.9	48.9	46.3	43.8	38.6	36.0
85°	77.2	74.6	51.5	46.3	38.6	30.9	33.5	33.5	30.9	23.2	23.2
87.5°	41.2	41.2	25.7	20.6	18.0	15.4	15.4	15.4	12.9	10.3	10.3
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)