

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: P671432

Luminaire Tested: **CCP-SA-2D-827-U-SL3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671432
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-827-U-SL3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ SL3 distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

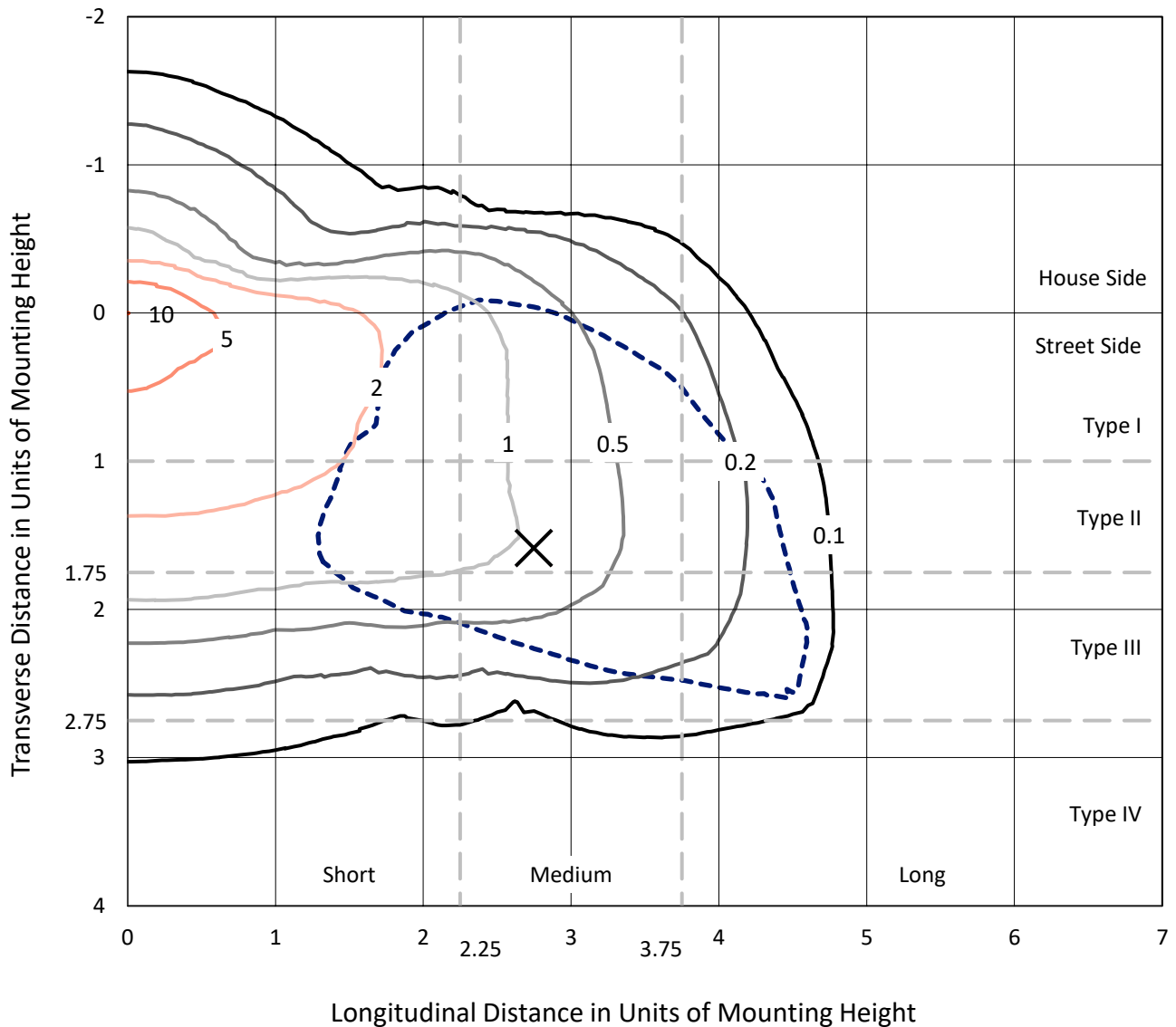
Lumens per Lamp: N/A
Luminaire Lumens: 8106.1 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G3

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

REPORT NUMBER: P671432
 CATALOG NUMBER: CCP-SA-2D-827-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

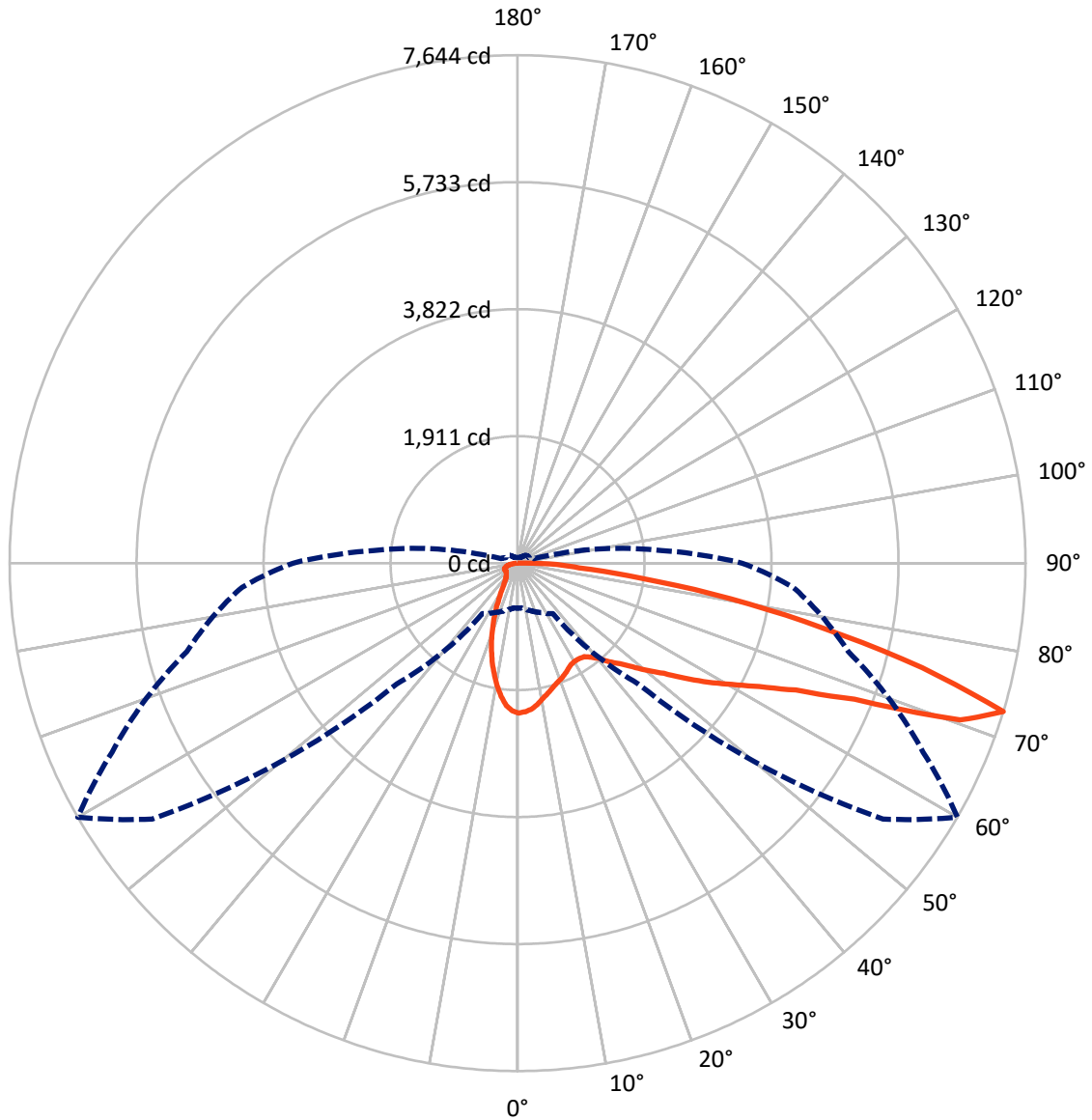
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10 fc
 Type III - Medium - N/A

REPORT NUMBER: P671432
CATALOG NUMBER: CCP-SA-2D-827-U-SL3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P671432

CATALOG NUMBER: CCP-SA-2D-827-U-SL3

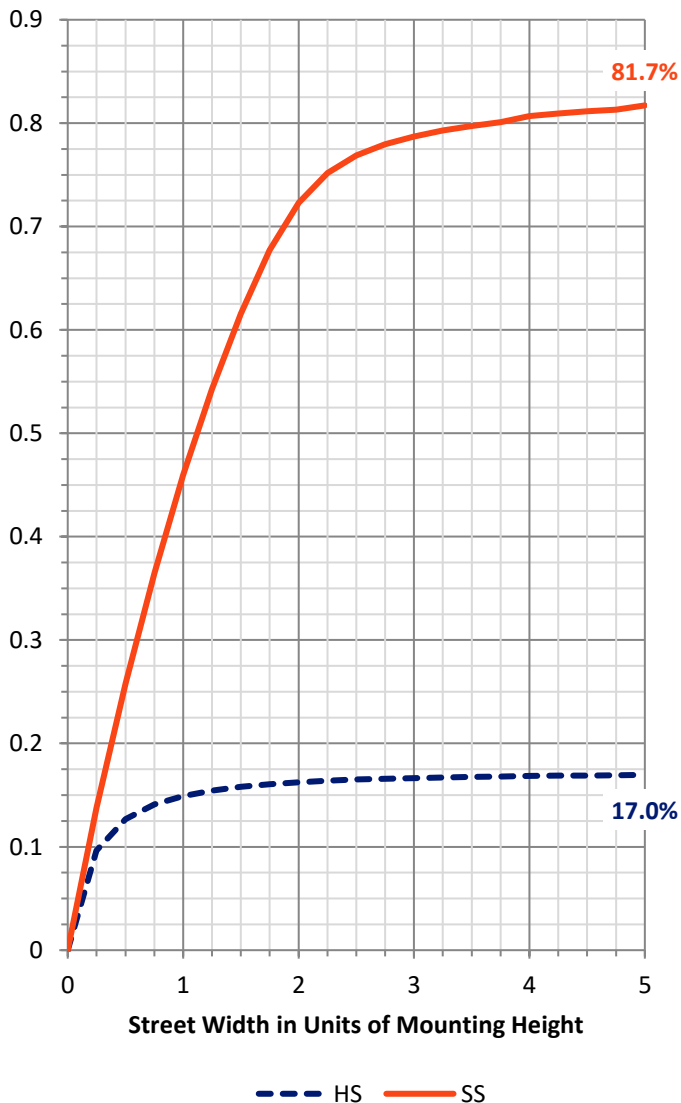
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1392.5	0.0	1392.5
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	6713.6	0.0	6713.6
	% Fixture	82.8	0.0	82.8
Total	Lumens	8106.1	0.0	8106.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.6	2.4
10°-20°	443.6	5.5
20°-30°	567.8	7.0
30°-40°	726.3	9.0
40°-50°	996.2	12.3
50°-60°	1440.9	17.8
60°-70°	1976.6	24.4
70°-80°	1483.3	18.3
80°-90°	275.7	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°	8106.1	100.0
0°-180°	8106.1	100.0



REPORT NUMBER: P671432

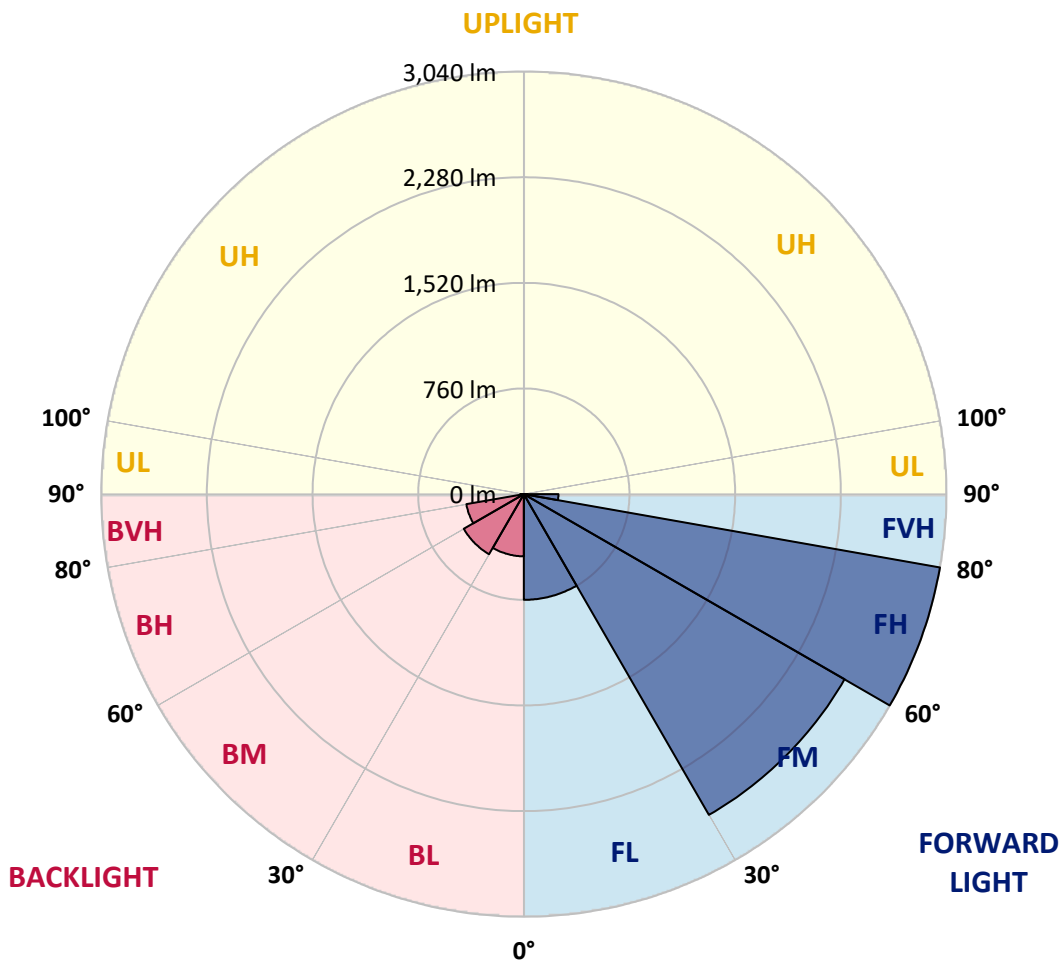
CATALOG NUMBER: CCP-SA-2D-827-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	760.1	9.4			
FM (30°-60°)	2664.4	32.9			
FH (60°-80°)	3040.3	37.5			G2/5000
FVH (80°-90°)	248.8	3.1			G3/500
BL (0°-30°)	447.0	5.5	B1/500		
BM (30°-60°)	499.0	6.2	B1/1000		
BH (60°-80°)	419.6	5.2	B1/500		G1/500
BVH (80°-90°)	26.9	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-G3

Type III Medium





REPORT NUMBER: P671432

CATALOG NUMBER: CCP-SA-2D-827-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2257.1	2257.1	2257.1	2257.1	2257.1	2257.1	2257.1	2257.1	2257.1	2257.1	2257.1
2.5°	2208.9	2230.0	2236.0	2236.0	2254.1	2233.0	2263.2	2239.0	2245.1	2254.1	2248.1
5°	2103.2	2139.5	2118.3	2157.6	2142.5	2169.6	2205.8	2205.8	2196.8	2214.9	2199.8
7.5°	2000.7	1988.6	2024.8	2024.8	2048.9	2085.1	2115.3	2145.5	2148.5	2154.5	2151.5
10°	1861.8	1876.9	1895.0	1919.2	1949.4	1985.6	2048.9	2073.1	2079.1	2115.3	2106.3
12.5°	1747.2	1768.3	1780.4	1828.6	1855.8	1907.1	1979.5	2012.7	2015.7	2067.0	2067.0
15°	1662.7	1674.8	1701.9	1720.0	1780.4	1852.8	1922.2	1952.4	1985.6	2039.9	2024.8
17.5°	1605.3	1620.4	1632.5	1656.6	1714.0	1774.3	1883.0	1901.1	1940.3	2018.8	2000.7
20°	1572.2	1575.2	1593.3	1608.4	1659.7	1717.0	1813.6	1861.8	1913.1	1982.5	1964.4
22.5°	1578.2	1566.1	1563.1	1584.2	1593.3	1647.6	1765.3	1816.6	1889.0	1970.5	1940.3
25°	1590.3	1593.3	1587.2	1569.1	1572.2	1620.4	1698.9	1765.3	1846.8	1967.5	1907.1
27.5°	1620.4	1635.5	1611.4	1593.3	1575.2	1593.3	1674.8	1723.0	1813.6	1982.5	1904.1
30°	1650.6	1665.7	1659.7	1632.5	1596.3	1590.3	1647.6	1707.9	1795.5	1994.6	1904.1
32.5°	1695.9	1717.0	1695.9	1704.9	1662.7	1635.5	1656.6	1711.0	1813.6	2036.9	1907.1
35°	1747.2	1765.3	1771.3	1750.2	1741.1	1689.8	1701.9	1729.1	1831.7	2085.1	1937.3
37.5°	1804.5	1825.6	1843.7	1846.8	1816.6	1786.4	1780.4	1795.5	1876.9	2169.6	1970.5
40°	1843.7	1855.8	1892.0	1922.2	1931.2	1889.0	1886.0	1886.0	1958.4	2245.1	2030.8
42.5°	1910.1	1904.1	1955.4	2009.7	2024.8	2000.7	2006.7	2030.8	2073.1	2353.7	2127.4
45°	1943.3	1937.3	1997.6	2088.2	2157.6	2145.5	2151.5	2160.6	2199.8	2525.7	2290.3
47.5°	1988.6	1994.6	2082.1	2184.7	2257.1	2299.4	2332.6	2329.6	2359.7	2700.7	2471.4
50°	2033.8	2045.9	2151.5	2260.2	2386.9	2459.3	2507.6	2540.8	2571.0	2884.8	2679.6
52.5°	2121.4	2133.4	2251.1	2368.8	2531.7	2637.4	2758.1	2755.0	2758.1	3068.9	2887.8
55°	2248.1	2251.1	2320.5	2456.3	2676.6	2869.7	3035.7	3053.8	3002.5	3298.2	3126.2
57.5°	2392.9	2405.0	2465.4	2568.0	2791.3	3093.0	3346.5	3382.7	3243.9	3485.3	3343.5
60°	2528.7	2537.8	2631.3	2749.0	2990.4	3373.6	3660.3	3702.6	3551.7	3714.6	3569.8
62.5°	2374.8	2420.1	2586.1	2854.6	3340.5	3799.1	4058.6	4085.8	3850.4	3947.0	3811.2
65°	1901.1	1931.2	2169.6	2604.2	3364.6	4571.6	4674.2	4601.8	4260.8	4245.7	4176.3
67.5°	1059.2	1083.3	1246.3	1701.9	2833.5	4861.3	5998.9	5467.8	4897.5	4695.3	4671.2
70°	835.9	841.9	863.0	956.6	1572.2	4285.0	7043.0	7067.2	5938.6	5313.9	4776.8
72.5°	679.0	675.9	739.3	820.8	929.4	2571.0	6714.1	7643.5	6735.2	5151.0	4161.2
75°	519.0	528.1	609.5	727.2	851.0	1210.0	5009.2	6288.6	6309.7	4801.0	3509.4
77.5°	395.3	398.3	488.8	642.7	832.9	854.0	3268.0	4686.3	4707.4	3717.7	1934.3
80°	295.7	295.7	371.2	543.2	811.7	787.6	2012.7	3249.9	2942.1	1306.6	422.5
82.5°	169.0	181.1	247.4	413.4	736.3	757.4	1134.6	1861.8	1243.2	356.1	196.1
85°	90.5	93.5	150.9	277.6	606.5	724.2	866.0	926.4	494.9	190.1	90.5
87.5°	33.2	33.2	69.4	141.8	383.2	537.1	688.0	591.4	283.7	87.5	45.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P671432
 CATALOG NUMBER: CCP-SA-2D-827-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2257.1	2257.1	2257.1	2257.1	2257.1	2257.1	2257.1	2257.1	2257.1	2257.1	2257.1
2.5°	2254.1	2242.1	2233.0	2242.1	2208.9	2193.8	2211.9	2202.8	2184.7	2175.7	2169.6
5°	2208.9	2193.8	2178.7	2169.6	2133.4	2097.2	2079.1	2042.9	2012.7	2021.8	2003.7
7.5°	2160.6	2145.5	2100.2	2058.0	1985.6	1913.1	1879.9	1828.6	1810.5	1795.5	1786.4
10°	2100.2	2073.1	2003.7	1919.2	1813.6	1732.1	1647.6	1587.2	1523.9	1496.7	1505.8
12.5°	2024.8	2009.7	1901.1	1771.3	1623.5	1487.7	1388.1	1291.5	1207.0	1161.8	1149.7
15°	1991.6	1946.3	1789.4	1617.4	1430.3	1261.3	1113.5	944.5	844.9	796.6	796.6
17.5°	1955.4	1870.9	1683.8	1448.4	1234.2	1016.9	808.7	654.8	576.4	549.2	549.2
20°	1898.1	1804.5	1560.1	1288.5	1029.0	766.5	579.4	494.9	470.7	452.6	455.7
22.5°	1855.8	1741.1	1445.4	1131.6	814.7	570.3	455.7	428.5	419.4	413.4	416.4
25°	1807.5	1665.7	1324.7	962.6	639.7	449.6	395.3	383.2	389.3	392.3	392.3
27.5°	1768.3	1602.3	1201.0	781.6	482.8	380.2	356.1	353.1	365.1	371.2	374.2
30°	1741.1	1545.0	1080.3	615.6	386.2	338.0	325.9	325.9	341.0	347.0	350.0
32.5°	1714.0	1496.7	950.5	470.7	328.9	301.8	298.7	301.8	310.8	310.8	313.8
35°	1723.0	1451.5	826.8	380.2	295.7	277.6	277.6	277.6	280.6	283.7	283.7
37.5°	1741.1	1439.4	694.0	319.9	271.6	259.5	259.5	256.5	259.5	256.5	259.5
40°	1759.2	1421.3	573.3	283.7	256.5	247.4	244.4	238.4	235.4	235.4	238.4
42.5°	1834.7	1445.4	470.7	259.5	244.4	238.4	229.3	223.3	220.3	220.3	220.3
45°	1931.2	1490.7	389.3	247.4	235.4	220.3	214.2	211.2	205.2	208.2	211.2
47.5°	2076.1	1560.1	341.0	238.4	226.3	208.2	202.2	196.1	196.1	202.2	202.2
50°	2266.2	1674.8	310.8	229.3	217.3	199.2	190.1	187.1	187.1	196.1	196.1
52.5°	2471.4	1807.5	298.7	226.3	208.2	190.1	181.1	178.0	178.0	190.1	190.1
55°	2676.6	1970.5	307.8	226.3	202.2	181.1	172.0	166.0	169.0	178.0	178.0
57.5°	2902.9	2145.5	353.1	226.3	196.1	178.0	166.0	156.9	159.9	162.9	162.9
60°	3150.3	2374.8	431.5	226.3	193.1	172.0	156.9	144.8	144.8	147.9	147.9
62.5°	3400.8	2601.1	543.2	229.3	196.1	169.0	144.8	132.8	129.8	132.8	132.8
65°	3729.7	2963.3	654.8	229.3	205.2	162.9	135.8	120.7	117.7	117.7	120.7
67.5°	4191.4	3222.8	507.0	220.3	211.2	162.9	126.7	111.7	105.6	105.6	105.6
70°	3947.0	2718.8	322.9	205.2	202.2	169.0	120.7	102.6	96.6	93.5	93.5
72.5°	3379.7	2175.7	259.5	193.1	187.1	166.0	114.7	96.6	87.5	84.5	84.5
75°	2709.8	1717.0	226.3	175.0	162.9	138.8	105.6	87.5	81.5	75.4	75.4
77.5°	1327.7	718.2	172.0	153.9	138.8	105.6	93.5	81.5	72.4	66.4	66.4
80°	331.9	250.5	126.7	120.7	102.6	81.5	75.4	69.4	63.4	57.3	57.3
82.5°	178.0	147.9	90.5	81.5	69.4	57.3	57.3	54.3	51.3	45.3	42.2
85°	90.5	87.5	60.4	54.3	45.3	36.2	39.2	39.2	36.2	27.2	27.2
87.5°	48.3	48.3	30.2	24.1	21.1	18.1	18.1	18.1	15.1	12.1	12.1
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)