

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: P675628

Luminaire Tested: **CCW-SA-2C-840-U-SL3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675628
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-840-U-SL3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/
SL3 distribution lens
Light Source: (32) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

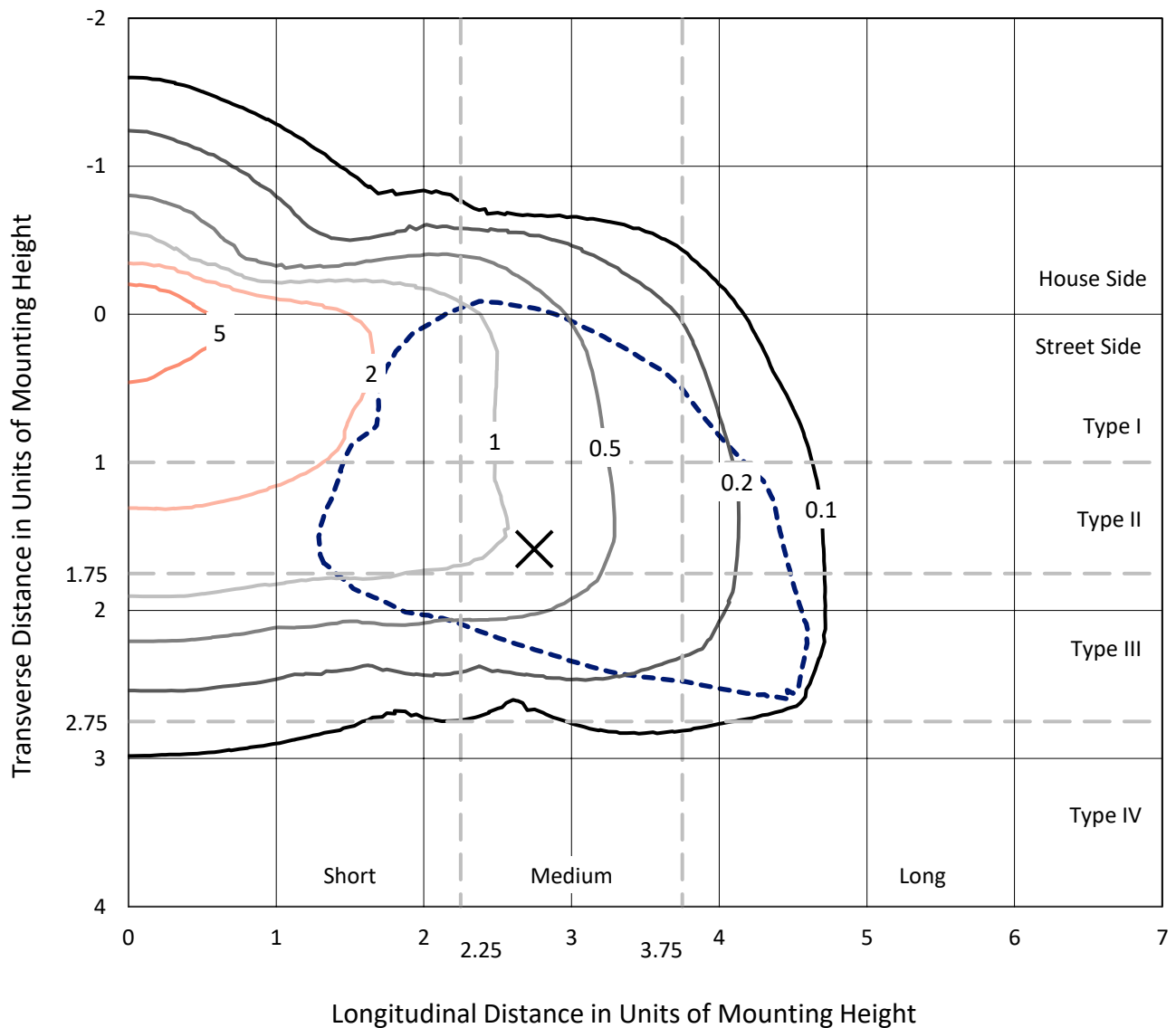
Lumens per Lamp: N/A
Luminaire Lumens: 7622 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G3

Input Watts (W): 62.1
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: P675628
 CATALOG NUMBER: CCW-SA-2C-840-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

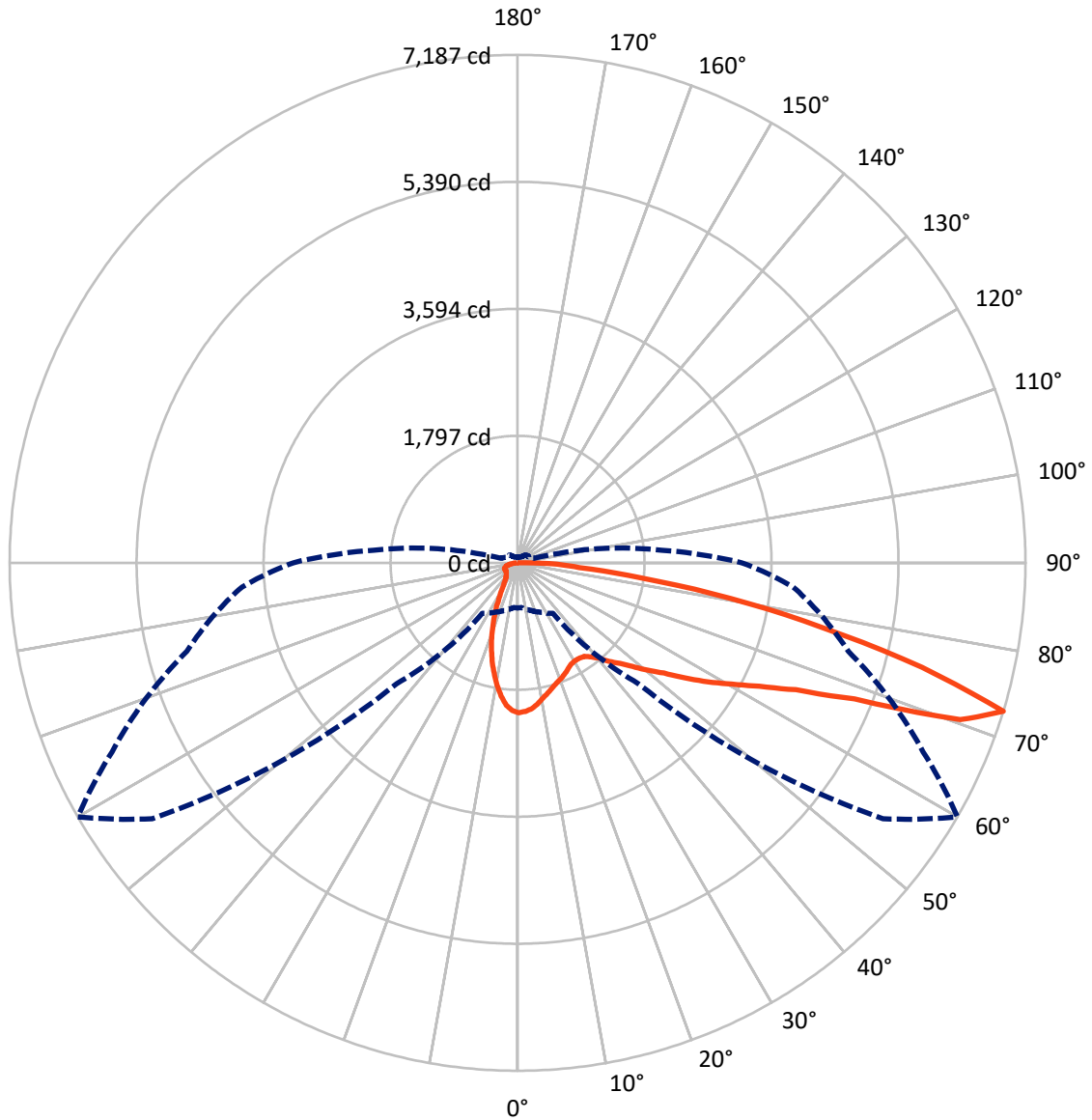
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P675628
CATALOG NUMBER: CCW-SA-2C-840-U-SL3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P675628
 CATALOG NUMBER: CCW-SA-2C-840-U-SL3

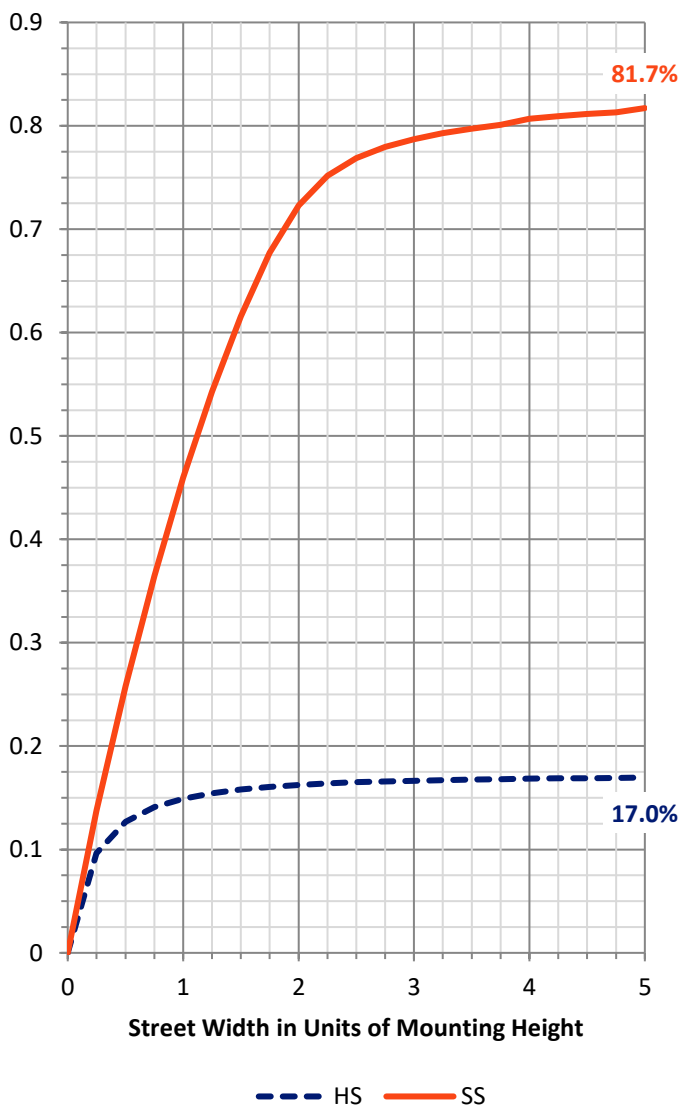
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1309.3	0.0	1309.3
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	6312.7	0.0	6312.7
	% Fixture	82.8	0.0	82.8
Total	Lumens	7622.0	0.0	7622.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.0	2.4
10°-20°	417.2	5.5
20°-30°	533.9	7.0
30°-40°	683.0	9.0
40°-50°	936.7	12.3
50°-60°	1354.8	17.8
60°-70°	1858.6	24.4
70°-80°	1394.7	18.3
80°-90°	259.2	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°	7622.0	100.0
0°-180°	7622.0	100.0

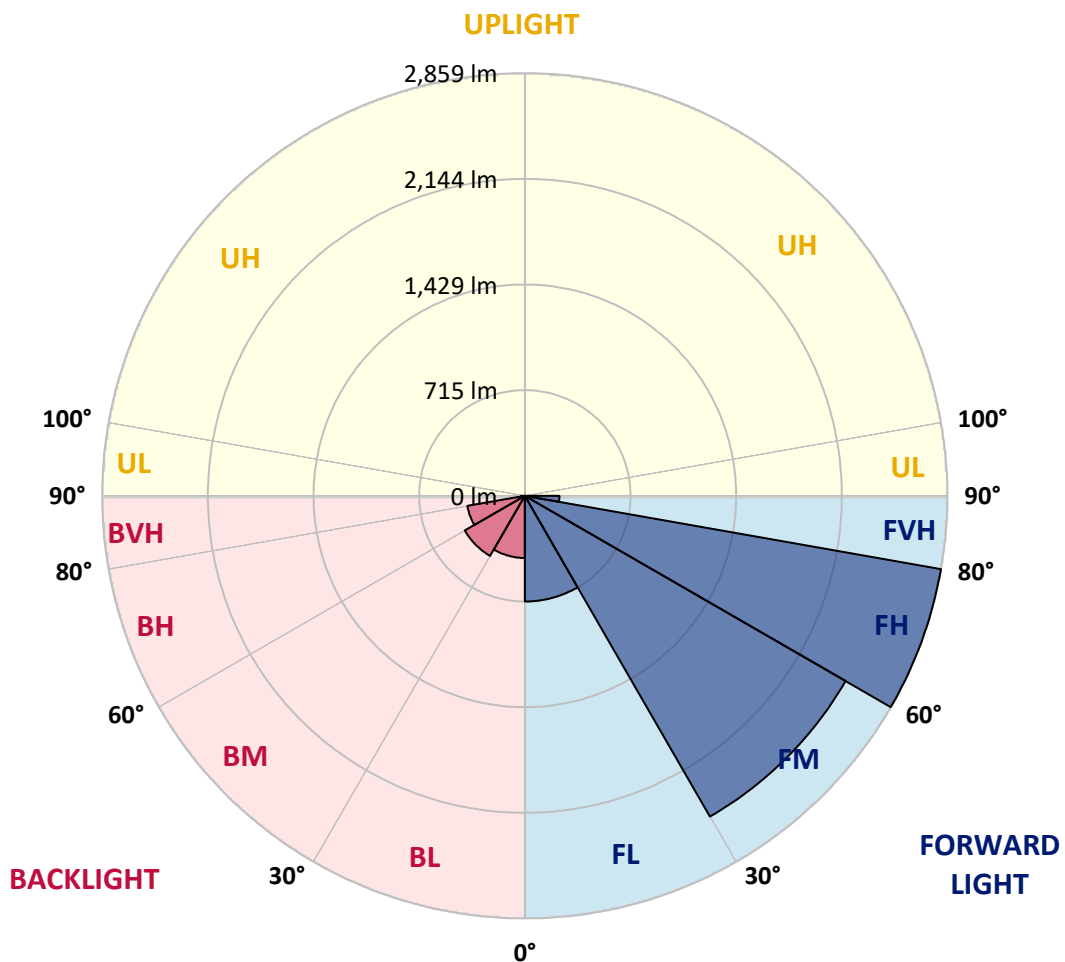


REPORT NUMBER: P675628
 CATALOG NUMBER: CCW-SA-2C-840-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	714.7	9.4			
FM (30°-60°)	2505.3	32.9			
FH (60°-80°)	2858.7	37.5			G2/5000
FVH (80°-90°)	234.0	3.1			G3/500
BL (0°-30°)	420.3	5.5	B1/500		
BM (30°-60°)	469.2	6.2	B1/1000		
BH (60°-80°)	394.6	5.2	B1/500		G1/500
BVH (80°-90°)	25.3	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: P675628

CATALOG NUMBER: CCW-SA-2C-840-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2122.3	2122.3	2122.3	2122.3	2122.3	2122.3	2122.3	2122.3	2122.3	2122.3	2122.3
2.5°	2077.0	2096.8	2102.5	2102.5	2119.5	2099.6	2128.0	2105.3	2111.0	2119.5	2113.8
5°	1977.6	2011.7	1991.8	2028.7	2014.5	2040.1	2074.1	2074.1	2065.6	2082.6	2068.4
7.5°	1881.2	1869.8	1903.9	1903.9	1926.6	1960.6	1989.0	2017.4	2020.2	2025.9	2023.0
10°	1750.7	1764.8	1781.9	1804.6	1832.9	1867.0	1926.6	1949.3	1954.9	1989.0	1980.5
12.5°	1642.8	1662.7	1674.0	1719.4	1745.0	1793.2	1861.3	1892.5	1895.4	1943.6	1943.6
15°	1563.4	1574.7	1600.3	1617.3	1674.0	1742.1	1807.4	1835.8	1867.0	1918.1	1903.9
17.5°	1509.5	1523.7	1535.0	1557.7	1611.6	1668.4	1770.5	1787.5	1824.4	1898.2	1881.2
20°	1478.3	1481.1	1498.1	1512.3	1560.6	1614.5	1705.3	1750.7	1798.9	1864.1	1847.1
22.5°	1483.9	1472.6	1469.8	1489.6	1498.1	1549.2	1659.9	1708.1	1776.2	1852.8	1824.4
25°	1495.3	1498.1	1492.5	1475.4	1478.3	1523.7	1597.4	1659.9	1736.5	1850.0	1793.2
27.5°	1523.7	1537.9	1515.2	1498.1	1481.1	1498.1	1574.7	1620.1	1705.3	1864.1	1790.4
30°	1552.0	1566.2	1560.6	1535.0	1501.0	1495.3	1549.2	1605.9	1688.2	1875.5	1790.4
32.5°	1594.6	1614.5	1594.6	1603.1	1563.4	1537.9	1557.7	1608.8	1705.3	1915.2	1793.2
35°	1642.8	1659.9	1665.5	1645.7	1637.2	1588.9	1600.3	1625.8	1722.3	1960.6	1821.6
37.5°	1696.7	1716.6	1733.6	1736.5	1708.1	1679.7	1674.0	1688.2	1764.8	2040.1	1852.8
40°	1733.6	1745.0	1779.0	1807.4	1815.9	1776.2	1773.4	1773.4	1841.4	2111.0	1909.5
42.5°	1796.1	1790.4	1838.6	1889.7	1903.9	1881.2	1886.8	1909.5	1949.3	2213.1	2000.3
45°	1827.3	1821.6	1878.3	1963.5	2028.7	2017.4	2023.0	2031.6	2068.4	2374.9	2153.6
47.5°	1869.8	1875.5	1957.8	2054.3	2122.3	2162.1	2193.3	2190.4	2218.8	2539.4	2323.8
50°	1912.4	1923.7	2023.0	2125.2	2244.4	2312.5	2357.9	2389.1	2417.4	2712.5	2519.6
52.5°	1994.7	2006.0	2116.7	2227.3	2380.5	2479.9	2593.4	2590.5	2593.4	2885.6	2715.4
55°	2113.8	2116.7	2181.9	2309.6	2516.7	2698.3	2854.4	2871.4	2823.2	3101.2	2939.5
57.5°	2250.0	2261.4	2318.1	2414.6	2624.6	2908.3	3146.6	3180.7	3050.2	3277.2	3143.8
60°	2377.7	2386.2	2474.2	2584.8	2811.8	3172.2	3441.7	3481.4	3339.6	3492.8	3356.6
62.5°	2233.0	2275.6	2431.6	2684.1	3141.0	3572.2	3816.3	3841.8	3620.5	3711.3	3583.6
65°	1787.5	1815.9	2040.1	2448.6	3163.7	4298.6	4395.1	4327.0	4006.4	3992.2	3926.9
67.5°	995.9	1018.6	1171.8	1600.3	2664.3	4571.0	5640.7	5141.3	4605.0	4414.9	4392.2
70°	786.0	791.6	811.5	899.4	1478.3	4029.1	6622.4	6645.1	5583.9	4996.6	4491.5
72.5°	638.4	635.6	695.2	771.8	873.9	2417.4	6313.1	7187.0	6333.0	4843.4	3912.7
75°	488.0	496.5	573.1	683.8	800.1	1137.8	4710.0	5913.1	5932.9	4514.2	3299.9
77.5°	371.7	374.5	459.7	604.4	783.1	803.0	3072.9	4406.4	4426.3	3495.6	1818.8
80°	278.1	278.1	349.0	510.7	763.3	740.6	1892.5	3055.8	2766.4	1228.6	397.2
82.5°	158.9	170.2	232.7	388.7	692.3	712.2	1066.8	1750.7	1169.0	334.8	184.4
85°	85.1	88.0	141.9	261.0	570.3	681.0	814.3	871.1	465.3	178.8	85.1
87.5°	31.2	31.2	65.3	133.4	360.3	505.1	646.9	556.1	266.7	82.3	42.6
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: P675628
 CATALOG NUMBER: CCW-SA-2C-840-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2122.3	2122.3	2122.3	2122.3	2122.3	2122.3	2122.3	2122.3	2122.3	2122.3	2122.3
2.5°	2119.5	2108.2	2099.6	2108.2	2077.0	2062.8	2079.8	2071.3	2054.3	2045.7	2040.1
5°	2077.0	2062.8	2048.6	2040.1	2006.0	1972.0	1954.9	1920.9	1892.5	1901.0	1884.0
7.5°	2031.6	2017.4	1974.8	1935.1	1867.0	1798.9	1767.7	1719.4	1702.4	1688.2	1679.7
10°	1974.8	1949.3	1884.0	1804.6	1705.3	1628.6	1549.2	1492.5	1432.9	1407.3	1415.8
12.5°	1903.9	1889.7	1787.5	1665.5	1526.5	1398.8	1305.2	1214.4	1134.9	1092.4	1081.0
15°	1872.7	1830.1	1682.6	1520.8	1344.9	1186.0	1047.0	888.1	794.5	749.1	749.1
17.5°	1838.6	1759.2	1583.2	1361.9	1160.5	956.2	760.4	615.7	541.9	516.4	516.4
20°	1784.7	1696.7	1466.9	1211.6	967.5	720.7	544.8	465.3	442.6	425.6	428.4
22.5°	1745.0	1637.2	1359.1	1064.0	766.1	536.3	428.4	402.9	394.4	388.7	391.6
25°	1699.6	1566.2	1245.6	905.1	601.5	422.8	371.7	360.3	366.0	368.9	368.9
27.5°	1662.7	1506.6	1129.3	734.9	454.0	357.5	334.8	332.0	343.3	349.0	351.8
30°	1637.2	1452.7	1015.8	578.8	363.2	317.8	306.4	306.4	320.6	326.3	329.1
32.5°	1611.6	1407.3	893.8	442.6	309.3	283.7	280.9	283.7	292.2	292.2	295.1
35°	1620.1	1364.8	777.4	357.5	278.1	261.0	261.0	261.0	263.9	266.7	266.7
37.5°	1637.2	1353.4	652.6	300.8	255.4	244.0	244.0	241.2	244.0	241.2	244.0
40°	1654.2	1336.4	539.1	266.7	241.2	232.7	229.8	224.2	221.3	221.3	224.2
42.5°	1725.1	1359.1	442.6	244.0	229.8	224.2	215.6	210.0	207.1	207.1	207.1
45°	1815.9	1401.7	366.0	232.7	221.3	207.1	201.5	198.6	192.9	195.8	198.6
47.5°	1952.1	1466.9	320.6	224.2	212.8	195.8	190.1	184.4	184.4	190.1	190.1
50°	2130.9	1574.7	292.2	215.6	204.3	187.3	178.8	175.9	175.9	184.4	184.4
52.5°	2323.8	1699.6	280.9	212.8	195.8	178.8	170.2	167.4	167.4	178.8	178.8
55°	2516.7	1852.8	289.4	212.8	190.1	170.2	161.7	156.1	158.9	167.4	167.4
57.5°	2729.5	2017.4	332.0	212.8	184.4	167.4	156.1	147.5	150.4	153.2	153.2
60°	2962.2	2233.0	405.7	212.8	181.6	161.7	147.5	136.2	136.2	139.0	139.0
62.5°	3197.7	2445.8	510.7	215.6	184.4	158.9	136.2	124.8	122.0	124.8	124.8
65°	3507.0	2786.3	615.7	215.6	192.9	153.2	127.7	113.5	110.7	110.7	113.5
67.5°	3941.1	3030.3	476.7	207.1	198.6	153.2	119.2	105.0	99.3	99.3	99.3
70°	3711.3	2556.5	303.6	192.9	190.1	158.9	113.5	96.5	90.8	88.0	88.0
72.5°	3177.8	2045.7	244.0	181.6	175.9	156.1	107.8	90.8	82.3	79.4	79.4
75°	2548.0	1614.5	212.8	164.6	153.2	130.5	99.3	82.3	76.6	70.9	70.9
77.5°	1248.4	675.3	161.7	144.7	130.5	99.3	88.0	76.6	68.1	62.4	62.4
80°	312.1	235.5	119.2	113.5	96.5	76.6	70.9	65.3	59.6	53.9	53.9
82.5°	167.4	139.0	85.1	76.6	65.3	53.9	53.9	51.1	48.2	42.6	39.7
85°	85.1	82.3	56.7	51.1	42.6	34.0	36.9	36.9	34.0	25.5	25.5
87.5°	45.4	45.4	28.4	22.7	19.9	17.0	17.0	17.0	14.2	11.3	11.3
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)