

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: P675054

Luminaire Tested: **CCW-SA-2E-840-U-T3**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675054
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2E-840-U-T3
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @1050mA w/
T3 distribution lens
Light Source: (32) 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

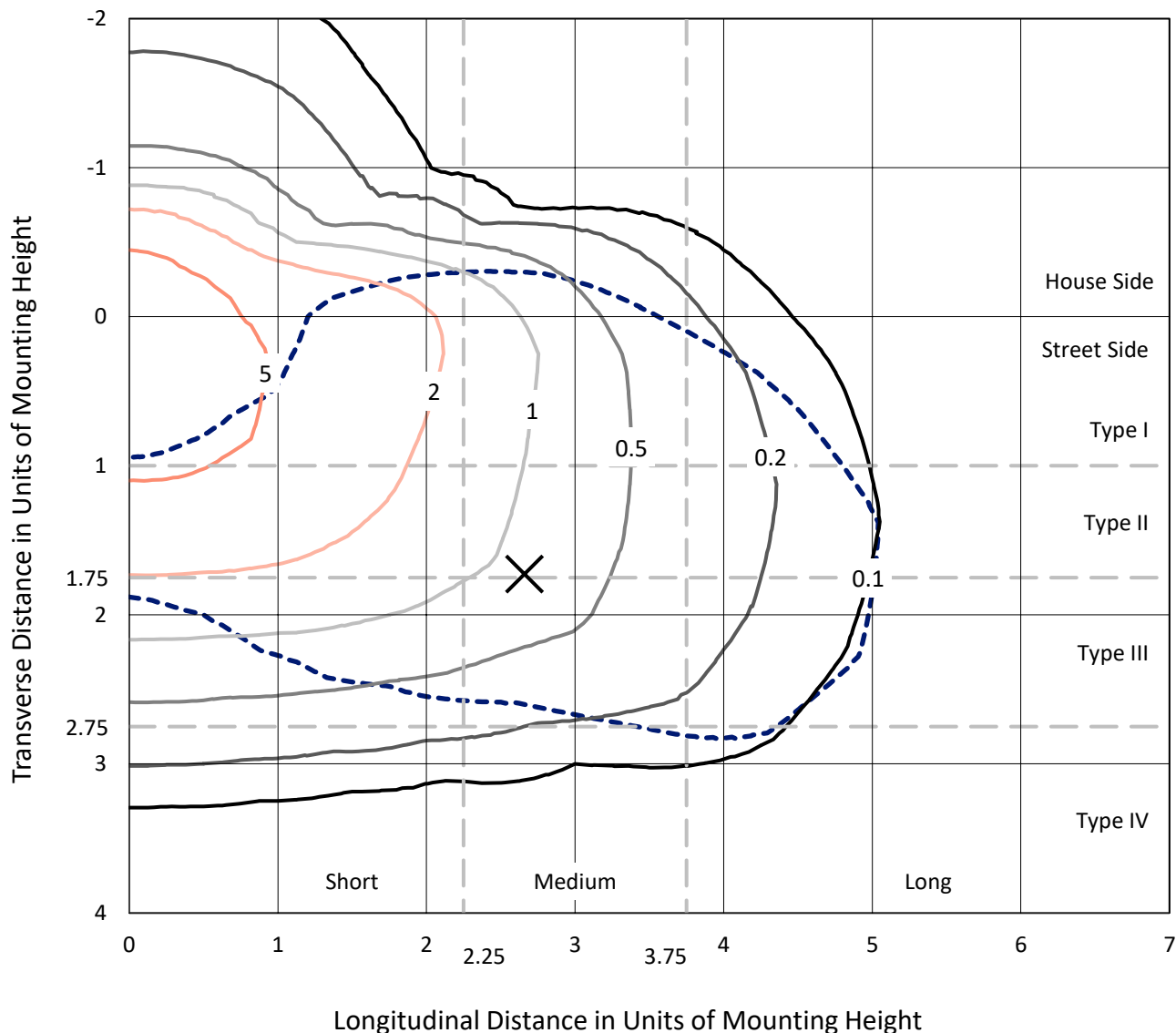
Lumens per Lamp: N/A
Luminaire Lumens: 11778.7 lumens
Efficiency: N/A
Efficacy: 110.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 106.6
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

REPORT NUMBER: P675054
 CATALOG NUMBER: CCW-SA-2E-840-U-T3

Iso-Footcandle Lines of Horizontal Illumination

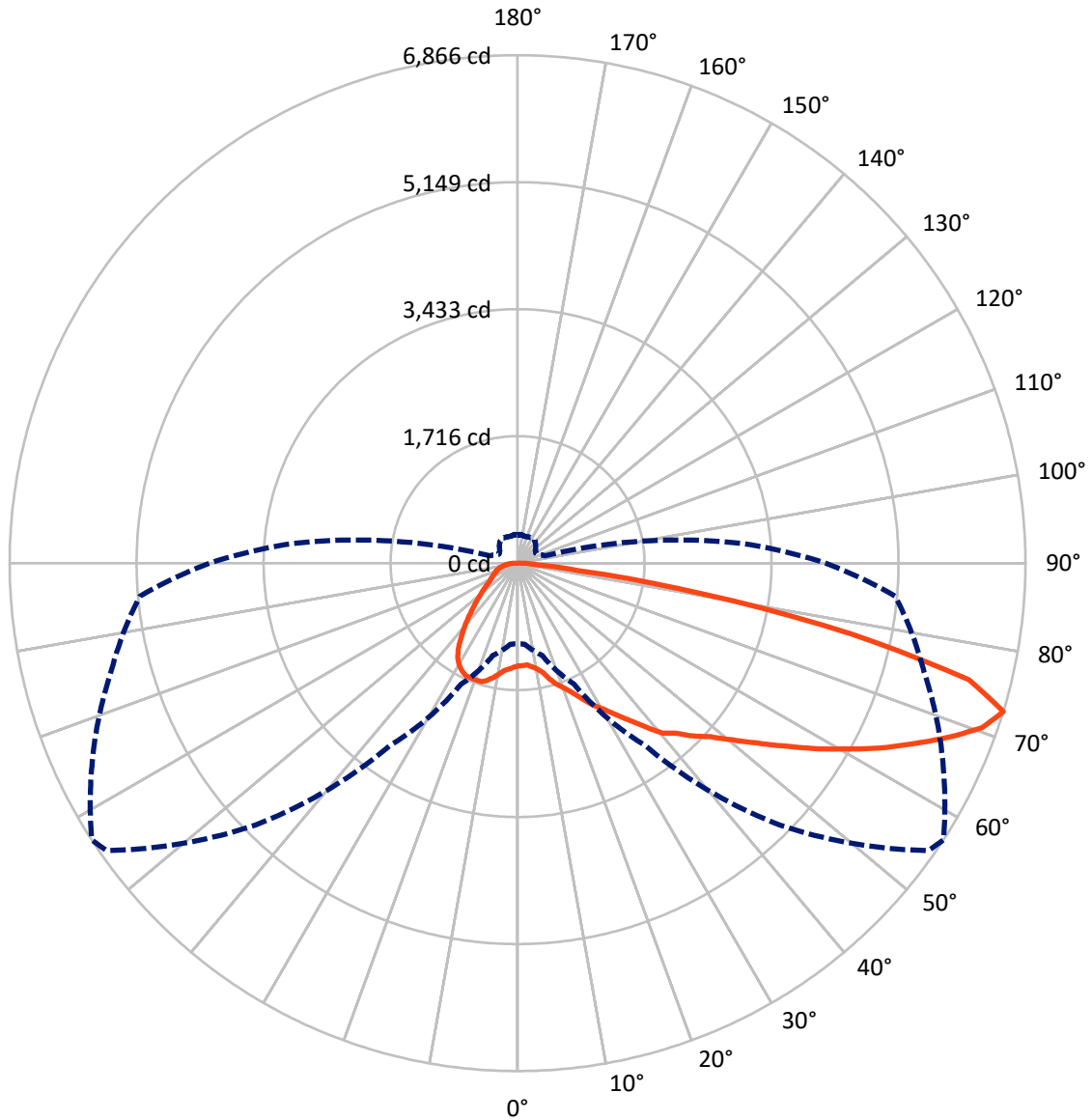
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P675054
CATALOG NUMBER: CCW-SA-2E-840-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P675054

CATALOG NUMBER: CCW-SA-2E-840-U-T3

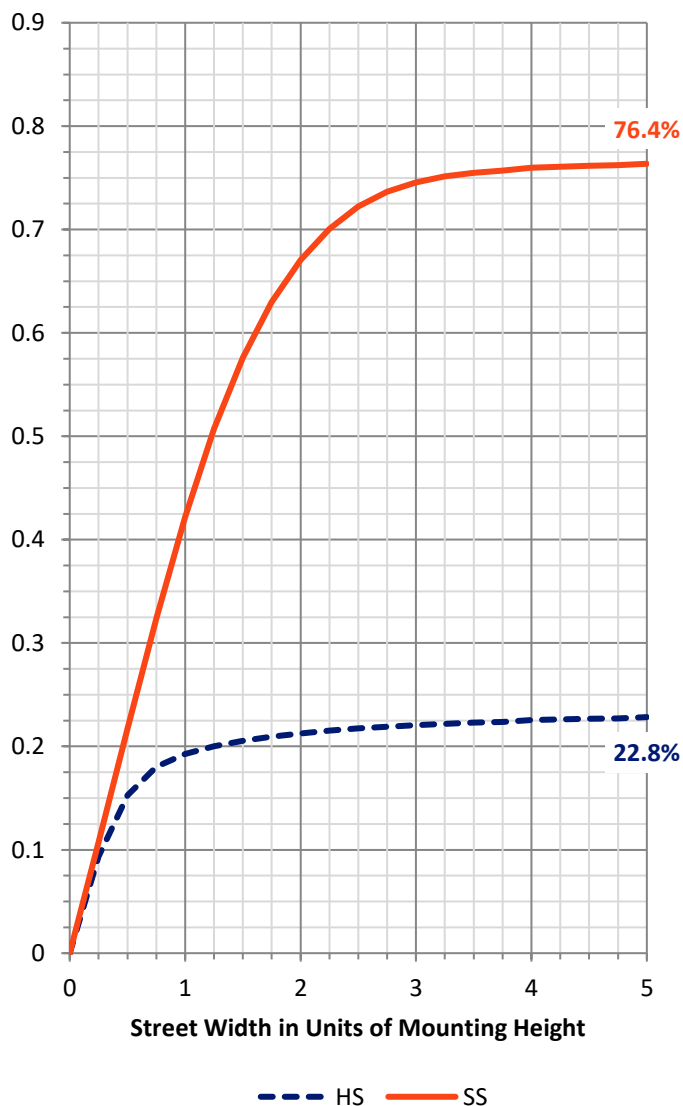
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2750.7	0.0	2750.7
	% Fixture	23.4	0.0	23.4
Street Side	Lumens	9028.0	0.0	9028.0
	% Fixture	76.6	0.0	76.6
Total	Lumens	11778.7	0.0	11778.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.0	1.2
10°-20°	465.1	3.9
20°-30°	850.2	7.2
30°-40°	1247.3	10.6
40°-50°	1717.4	14.6
50°-60°	2355.1	20.0
60°-70°	2838.9	24.1
70°-80°	1891.1	16.1
80°-90°	275.4	2.3
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°	11778.7	100.0
0°-180°	11778.7	100.0



REPORT NUMBER: P675054

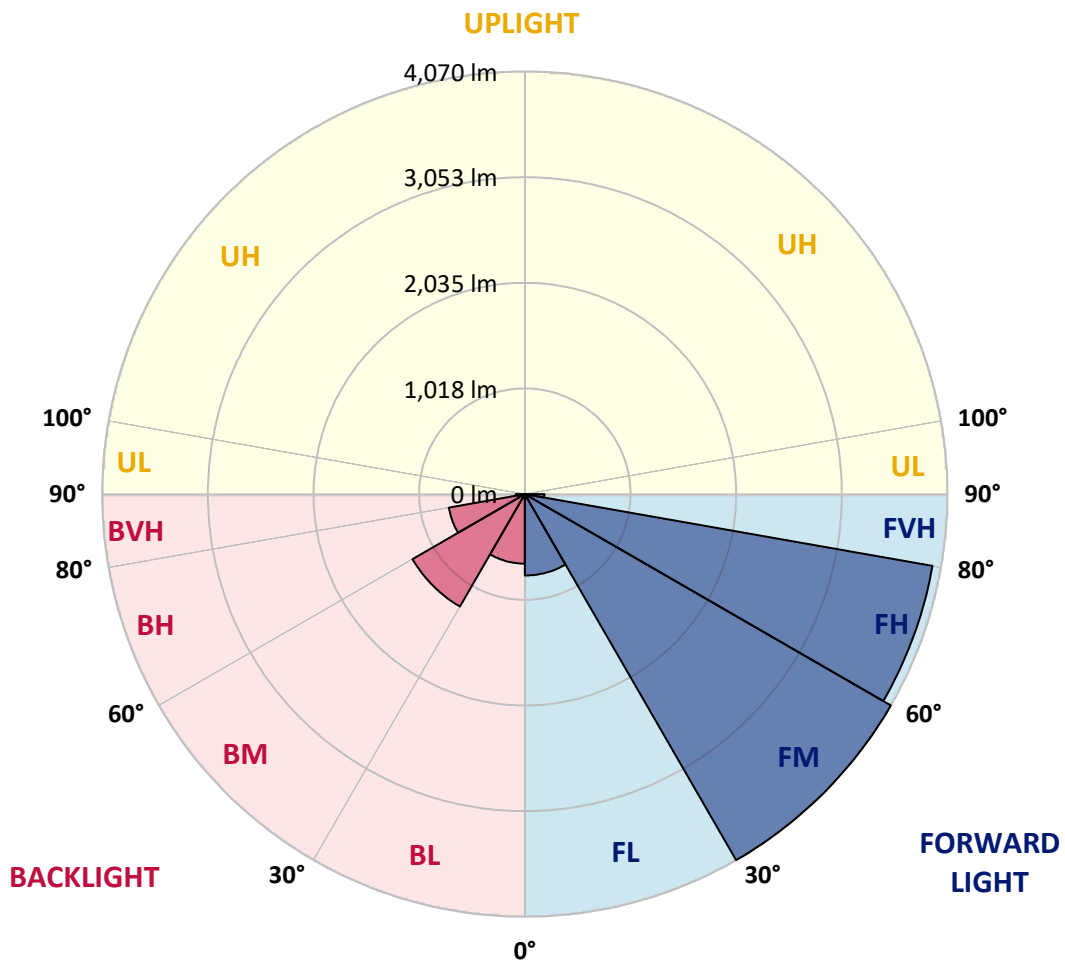
CATALOG NUMBER: CCW-SA-2E-840-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	783.6	6.7			
FM (30°-60°)	4070.5	34.6			
FH (60°-80°)	3986.3	33.8			G2/5000
FVH (80°-90°)	187.6	1.6			G2/225
BL (0°-30°)	669.7	5.7	B2/1000		
BM (30°-60°)	1249.4	10.6	B2/2500		
BH (60°-80°)	743.7	6.3	B2/1000		G2/1000
BVH (80°-90°)	87.9	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Medium





REPORT NUMBER: P675054

CATALOG NUMBER: CCW-SA-2E-840-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1390.3	1390.3	1390.3	1390.3	1390.3	1390.3	1390.3	1390.3	1390.3	1390.3	1390.3
2.5°	1364.5	1368.8	1377.4	1373.1	1373.1	1360.2	1381.7	1386.0	1377.4	1381.7	1390.3
5°	1364.5	1373.1	1386.0	1377.4	1381.7	1377.4	1368.8	1381.7	1381.7	1386.0	1398.8
7.5°	1437.5	1433.2	1433.2	1420.3	1416.0	1411.7	1416.0	1416.0	1407.4	1411.7	1411.7
10°	1519.0	1519.0	1510.4	1510.4	1501.8	1480.4	1458.9	1454.6	1441.8	1446.0	1446.0
12.5°	1604.8	1613.4	1622.0	1596.2	1587.6	1553.3	1540.4	1514.7	1514.7	1506.1	1501.8
15°	1712.1	1699.2	1707.8	1699.2	1677.8	1643.4	1622.0	1626.3	1596.2	1587.6	1574.8
17.5°	1806.5	1810.8	1797.9	1789.3	1750.7	1725.0	1729.2	1725.0	1686.3	1673.5	1652.0
20°	1918.0	1913.8	1913.8	1888.0	1853.7	1819.4	1806.5	1802.2	1810.8	1785.0	1733.5
22.5°	2033.9	2016.7	2016.7	1995.3	1948.1	1926.6	1918.0	1900.9	1909.5	1888.0	1810.8
25°	2128.3	2128.3	2158.3	2115.4	2089.7	2046.8	2029.6	2033.9	2038.2	1995.3	1905.2
27.5°	2252.7	2231.3	2261.3	2239.9	2227.0	2179.8	2158.3	2171.2	2162.6	2115.4	1991.0
30°	2411.5	2415.8	2398.6	2368.6	2351.4	2317.1	2304.2	2291.4	2304.2	2244.2	2085.4
32.5°	2608.9	2621.8	2578.9	2544.5	2514.5	2480.2	2454.4	2441.5	2454.4	2364.3	2158.3
35°	2836.3	2849.2	2814.9	2776.2	2741.9	2656.1	2634.6	2613.2	2566.0	2420.1	2227.0
37.5°	3046.6	3029.4	3020.8	3020.8	2956.5	2832.0	2819.1	2806.3	2716.2	2531.7	2321.4
40°	3188.2	3209.6	3201.0	3192.5	3183.9	3068.0	3042.3	3020.8	2870.6	2699.0	2454.4
42.5°	3346.9	3334.1	3368.4	3381.3	3351.2	3316.9	3213.9	3141.0	3007.9	2870.6	2651.8
45°	3535.7	3527.1	3540.0	3587.2	3544.3	3557.2	3385.5	3334.1	3166.7	3085.2	2900.7
47.5°	3703.1	3724.5	3788.9	3801.8	3767.4	3827.5	3587.2	3505.7	3398.4	3334.1	3158.1
50°	3776.0	3801.8	3947.7	4037.8	4042.1	4136.5	3788.9	3754.6	3608.7	3634.4	3479.9
52.5°	3716.0	3797.5	3973.4	4209.4	4355.3	4449.7	4054.9	4037.8	3904.8	3986.3	3831.8
55°	3771.7	3849.0	3964.8	4295.2	4664.2	4685.7	4424.0	4359.6	4226.6	4338.1	4196.5
57.5°	3797.5	3754.6	3973.4	4389.6	4891.7	4947.4	4775.8	4728.6	4625.6	4732.9	4651.4
60°	3595.8	3647.3	3853.3	4363.9	4904.5	5226.4	5170.6	5101.9	5007.5	5106.2	5059.0
62.5°	3368.4	3402.7	3625.8	4209.4	4977.5	5428.0	5552.5	5501.0	5368.0	5453.8	5535.3
65°	3080.9	3085.2	3334.1	3934.8	4835.9	5543.9	5887.2	5882.9	5788.5	5767.0	5895.7
67.5°	2729.0	2763.4	2960.7	3643.0	4642.8	5672.6	6217.6	6281.9	6093.1	5925.8	5973.0
70°	2094.0	2128.3	2317.1	2986.5	4248.0	5634.0	6625.2	6659.5	6290.5	5865.7	5745.6
72.5°	1089.9	1098.5	1291.6	1802.2	3012.2	5003.2	6775.4	6865.5	6342.0	5689.8	5123.4
75°	360.4	360.4	442.0	686.5	1420.3	3201.0	6136.0	6299.1	6088.8	5252.1	4192.2
77.5°	214.5	218.8	261.7	343.3	566.4	1278.7	4325.3	4612.8	4981.8	4466.9	3063.7
80°	154.5	158.8	197.4	236.0	339.0	411.9	2171.2	2570.3	3059.4	2874.9	1634.8
82.5°	115.9	115.9	154.5	175.9	231.7	244.6	605.0	828.2	1321.6	1029.8	450.5
85°	120.1	120.1	120.1	124.4	158.8	141.6	253.2	270.3	386.2	339.0	124.4
87.5°	42.9	47.2	120.1	81.5	81.5	60.1	98.7	107.3	137.3	141.6	47.2
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: P675054
 CATALOG NUMBER: CCW-SA-2E-840-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1390.3	1390.3	1390.3	1390.3	1390.3	1390.3	1390.3	1390.3	1390.3	1390.3	1390.3
2.5°	1394.6	1394.6	1398.8	1398.8	1407.4	1416.0	1428.9	1420.3	1420.3	1424.6	1420.3
5°	1390.3	1394.6	1407.4	1428.9	1437.5	1441.8	1467.5	1467.5	1467.5	1476.1	1476.1
7.5°	1407.4	1416.0	1437.5	1458.9	1463.2	1476.1	1510.4	1519.0	1540.4	1549.0	1553.3
10°	1450.3	1463.2	1480.4	1506.1	1523.3	1540.4	1566.2	1596.2	1591.9	1617.7	1622.0
12.5°	1514.7	1510.4	1540.4	1566.2	1583.4	1609.1	1617.7	1617.7	1617.7	1617.7	1626.3
15°	1566.2	1574.8	1600.5	1617.7	1639.1	1634.8	1617.7	1600.5	1604.8	1600.5	1600.5
17.5°	1643.4	1643.4	1664.9	1669.2	1677.8	1634.8	1609.1	1609.1	1622.0	1622.0	1613.4
20°	1720.7	1716.4	1725.0	1720.7	1664.9	1613.4	1609.1	1613.4	1617.7	1613.4	1609.1
22.5°	1793.6	1785.0	1772.2	1755.0	1656.3	1609.1	1600.5	1579.1	1557.6	1557.6	1544.7
25°	1858.0	1849.4	1815.1	1763.6	1652.0	1583.4	1540.4	1489.0	1463.2	1450.3	1467.5
27.5°	1918.0	1900.9	1853.7	1763.6	1613.4	1514.7	1433.2	1368.8	1347.4	1330.2	1347.4
30°	1999.6	1969.5	1905.2	1750.7	1553.3	1407.4	1295.9	1218.6	1197.2	1171.4	1180.0
32.5°	2072.5	2003.9	1948.1	1712.1	1476.1	1287.3	1158.6	1081.3	1042.7	1021.2	1038.4
35°	2149.8	2081.1	1965.2	1652.0	1355.9	1141.4	1012.7	939.7	909.7	879.6	879.6
37.5°	2227.0	2188.4	1991.0	1540.4	1210.0	1004.1	888.2	832.4	781.0	725.2	725.2
40°	2390.1	2338.6	2021.0	1411.7	1064.2	871.1	789.5	716.6	665.1	587.9	583.6
42.5°	2561.7	2450.1	2021.0	1257.2	935.4	776.7	699.4	622.2	527.8	480.6	484.9
45°	2780.5	2651.8	1965.2	1119.9	806.7	699.4	613.6	514.9	472.0	442.0	442.0
47.5°	3055.1	2853.5	1896.6	969.8	703.7	630.8	523.5	463.4	433.4	407.6	403.3
50°	3381.3	3038.0	1810.8	841.0	617.9	566.4	476.3	429.1	403.3	386.2	386.2
52.5°	3724.5	3308.3	1750.7	725.2	549.2	480.6	442.0	411.9	390.5	377.6	373.3
55°	4072.1	3578.6	1707.8	600.7	484.9	442.0	433.4	407.6	399.1	386.2	377.6
57.5°	4462.6	3801.8	1699.2	514.9	433.4	424.8	442.0	420.5	407.6	394.8	381.9
60°	4883.1	4102.1	1622.0	446.3	407.6	416.2	429.1	407.6	399.1	386.2	377.6
62.5°	5299.3	4325.3	1411.7	394.8	381.9	390.5	407.6	390.5	377.6	381.9	386.2
65°	5470.9	4342.4	1094.2	356.1	351.9	356.1	381.9	377.6	364.7	390.5	390.5
67.5°	5299.3	4188.0	772.4	321.8	321.8	343.3	386.2	394.8	381.9	416.2	411.9
70°	4908.8	3806.1	523.5	300.4	308.9	364.7	399.1	390.5	373.3	416.2	407.6
72.5°	4166.5	3046.6	381.9	278.9	291.8	347.6	394.8	386.2	373.3	390.5	373.3
75°	3128.1	2166.9	300.4	253.2	257.5	313.2	407.6	386.2	351.9	343.3	330.4
77.5°	2089.7	1338.8	231.7	223.1	223.1	274.6	390.5	360.4	317.5	304.7	300.4
80°	995.5	536.4	184.5	188.8	193.1	236.0	356.1	321.8	287.5	270.3	270.3
82.5°	317.5	201.7	154.5	154.5	154.5	193.1	296.1	270.3	248.9	236.0	214.5
85°	111.6	111.6	133.0	137.3	124.4	141.6	244.6	231.7	206.0	171.6	167.3
87.5°	42.9	64.4	90.1	107.3	77.2	98.7	175.9	163.1	150.2	111.6	107.3
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)