

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: P675386

Luminaire Tested: **CCW-SA-2D-727-U-SL2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P675386
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-727-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @800mA w/
SL2 distribution lens
Light Source: (32) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

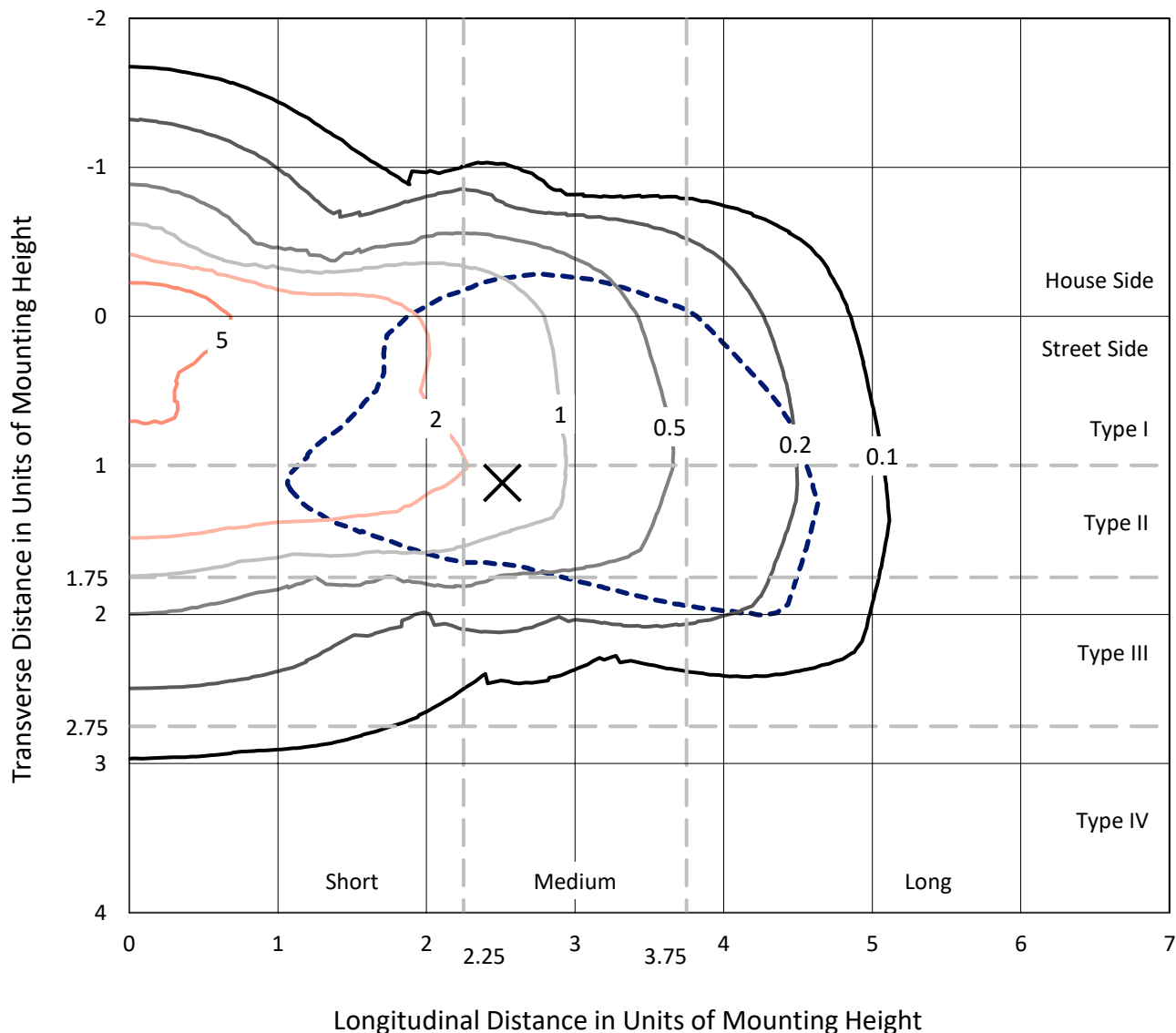
Lumens per Lamp: N/A
Luminaire Lumens: 9230.9 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 80.8
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

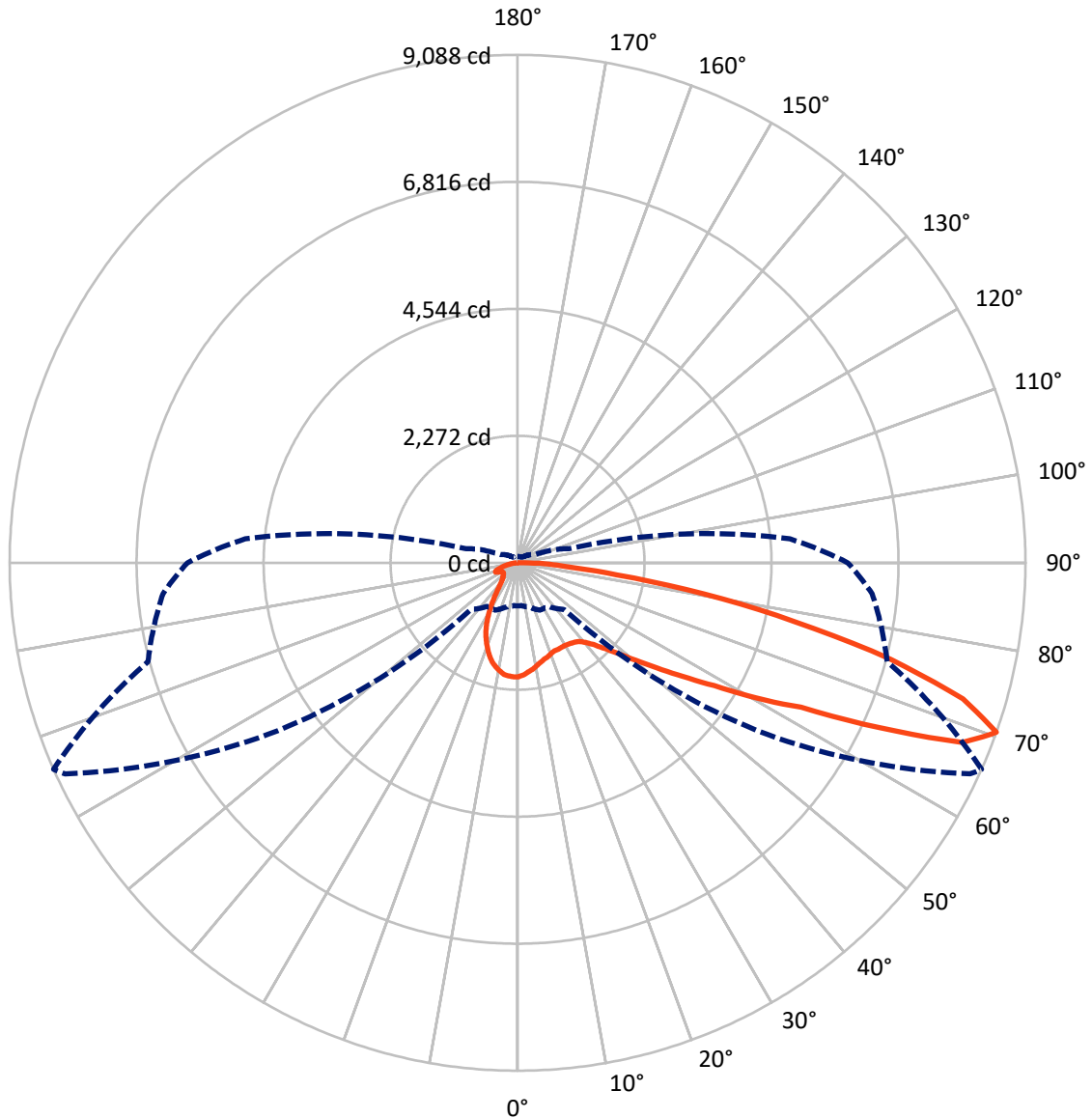
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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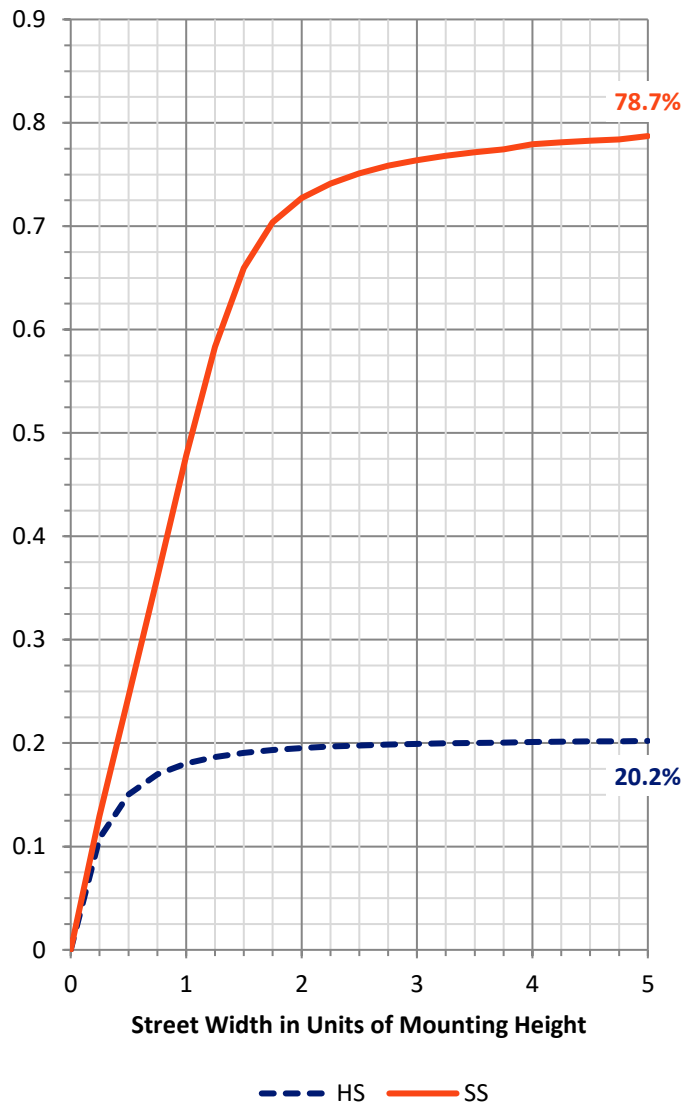
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1889.4	0.0	1889.4
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	7341.5	0.0	7341.5
	% Fixture	79.5	0.0	79.5
Total	Lumens	9230.9	0.0	9230.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.3	2.0
10°-20°	443.9	4.8
20°-30°	609.7	6.6
30°-40°	817.4	8.9
40°-50°	1186.0	12.8
50°-60°	1802.7	19.5
60°-70°	2226.5	24.1
70°-80°	1655.7	17.9
80°-90°	308.8	3.3
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°	9230.9	100.0
0°-180°	9230.9	100.0

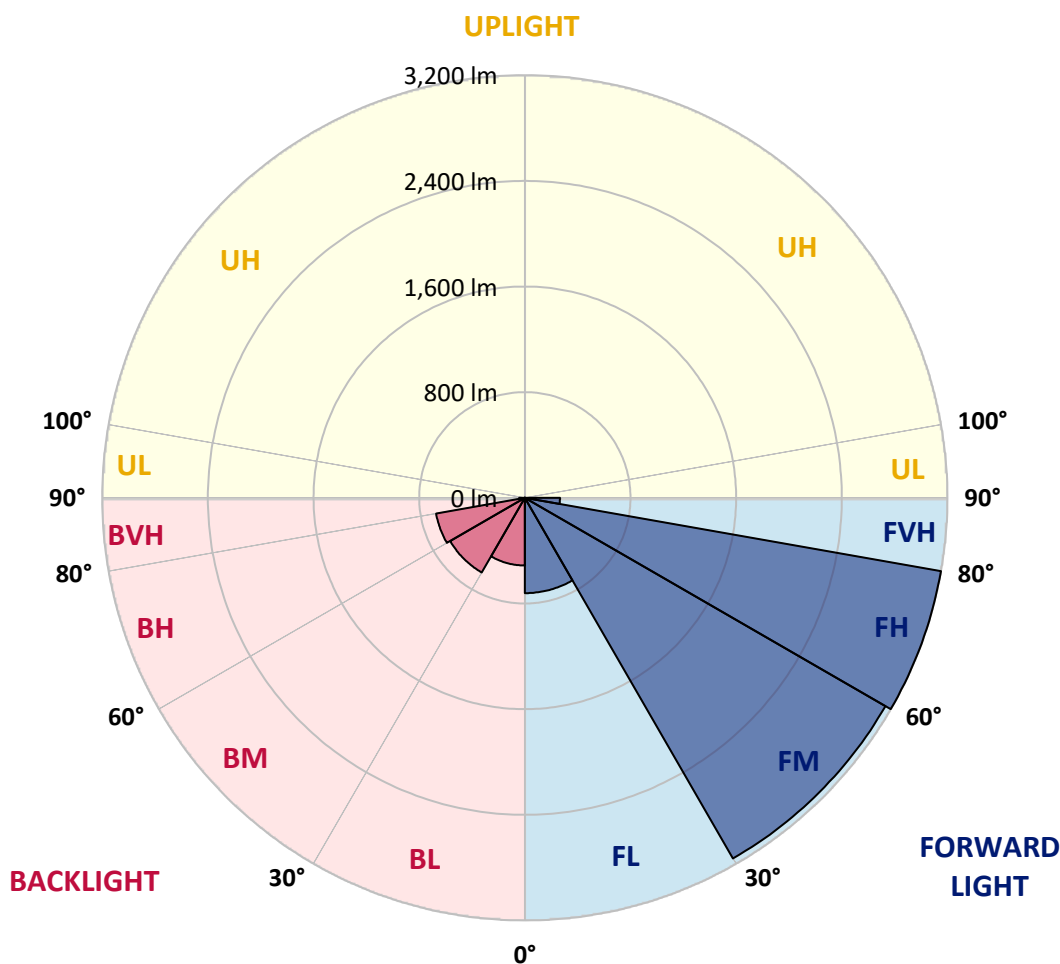


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	721.8	7.8			
FM (30°-60°)	3153.4	34.2			
FH (60°-80°)	3200.1	34.7			G2/5000
FVH (80°-90°)	266.2	2.9			G3/500
BL (0°-30°)	512.1	5.5	B2/1000		
BM (30°-60°)	652.7	7.1	B1/1000		
BH (60°-80°)	682.1	7.4	B2/1000		G2/1000
BVH (80°-90°)	42.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2039.4	2039.4	2039.4	2039.4	2039.4	2039.4	2039.4	2039.4	2039.4	2039.4	2039.4
2.5°	1939.8	1950.1	1953.6	1960.4	1977.6	1991.3	2011.9	2022.2	2011.9	2025.7	2025.7
5°	1805.9	1792.2	1826.5	1840.3	1860.9	1888.3	1936.4	1974.2	1963.9	2005.1	2039.4
7.5°	1692.6	1692.6	1702.9	1733.8	1757.9	1799.1	1850.6	1908.9	1926.1	1981.0	2032.5
10°	1589.6	1603.4	1603.4	1651.4	1665.2	1713.2	1799.1	1871.2	1874.6	1967.3	2039.4
12.5°	1534.7	1527.8	1562.2	1575.9	1617.1	1665.2	1733.8	1823.1	1826.5	1926.1	2025.7
15°	1490.1	1496.9	1514.1	1548.4	1586.2	1624.0	1689.2	1771.6	1788.8	1905.5	2018.8
17.5°	1493.5	1496.9	1496.9	1521.0	1551.9	1596.5	1658.3	1754.4	1764.7	1878.0	2008.5
20°	1514.1	1500.4	1510.7	1521.0	1541.6	1582.8	1634.3	1716.7	1727.0	1874.6	2032.5
22.5°	1558.7	1548.4	1545.0	1541.6	1538.1	1562.2	1627.4	1696.1	1706.4	1857.4	2042.8
25°	1630.8	1627.4	1603.4	1579.3	1562.2	1562.2	1613.7	1713.2	1709.8	1857.4	2049.7
27.5°	1716.7	1716.7	1713.2	1668.6	1617.1	1589.6	1624.0	1706.4	1702.9	1857.4	2066.9
30°	1833.4	1833.4	1823.1	1781.9	1689.2	1610.2	1630.8	1699.5	1709.8	1843.7	2053.1
32.5°	1960.4	1957.0	1967.3	1929.5	1833.4	1706.4	1672.0	1713.2	1723.5	1857.4	2056.6
35°	2053.1	2073.7	2108.1	2073.7	1977.6	1805.9	1730.4	1740.7	1747.6	1860.9	2070.3
37.5°	2159.6	2183.6	2231.7	2259.1	2156.1	1957.0	1823.1	1785.3	1785.3	1905.5	2073.7
40°	2314.1	2290.0	2372.4	2420.5	2379.3	2142.4	1967.3	1867.7	1871.2	1963.9	2118.4
42.5°	2427.4	2451.4	2537.2	2623.1	2571.6	2369.0	2125.2	2001.6	2001.6	2049.7	2187.0
45°	2554.4	2581.9	2702.0	2805.0	2842.8	2640.2	2341.5	2193.9	2187.0	2217.9	2310.6
47.5°	2695.2	2732.9	2870.3	2990.4	3090.0	2921.8	2619.6	2427.4	2423.9	2448.0	2516.6
50°	2856.5	2870.3	2983.6	3203.3	3402.4	3296.0	2959.5	2757.0	2739.8	2750.1	2842.8
52.5°	2904.6	2894.3	3024.8	3261.7	3625.6	3752.6	3423.0	3131.2	3124.3	3100.3	3220.5
55°	2729.5	2763.8	2890.9	3193.0	3807.6	4291.7	3931.2	3642.8	3581.0	3515.7	3659.9
57.5°	2379.3	2382.7	2526.9	2884.0	3666.8	4738.0	4792.9	4144.0	4147.5	3972.4	4137.2
60°	1850.6	1840.3	1953.6	2276.3	3265.1	4875.3	5733.6	4944.0	4909.6	4429.0	4580.0
62.5°	1335.6	1315.0	1339.0	1527.8	2441.1	4665.9	6657.2	5840.1	5695.9	4895.9	5012.6
65°	1098.7	1109.0	1119.3	1129.6	1369.9	3848.8	6942.2	7302.7	7110.4	5441.8	5489.9
67.5°	909.8	916.7	961.3	1023.1	1016.3	2272.9	6612.6	8655.4	8583.3	6118.2	5901.9
70°	772.5	769.1	820.6	933.9	951.0	1181.1	5235.8	8933.5	9088.0	6846.0	6368.8
72.5°	618.0	624.9	669.5	820.6	933.9	995.7	3014.5	8336.1	8332.7	7405.7	6118.2
75°	442.9	442.9	504.7	679.8	903.0	985.4	1668.6	6767.1	6894.1	6959.3	5307.9
77.5°	291.8	305.6	353.6	508.1	848.0	964.8	1057.5	4919.9	5077.9	5204.9	4061.6
80°	199.1	206.0	236.9	353.6	717.6	971.6	865.2	3309.7	3371.5	2873.7	1648.0
82.5°	120.2	123.6	157.9	247.2	515.0	923.6	813.7	1826.5	1788.8	868.6	473.8
85°	65.2	68.7	99.6	164.8	339.9	806.8	800.0	896.1	834.3	319.3	199.1
87.5°	24.0	24.0	44.6	82.4	195.7	552.8	697.0	532.2	497.8	161.4	92.7
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°	2039.4	2039.4	2039.4	2039.4	2039.4	2039.4	2039.4	2039.4	2039.4	2039.4	2039.4
2.5°	2042.8	2042.8	2042.8	2042.8	2039.4	2025.7	2036.0	2032.5	2011.9	2015.4	2001.6
5°	2036.0	2053.1	2042.8	2029.1	2011.9	1970.7	1957.0	1946.7	1919.2	1908.9	1919.2
7.5°	2053.1	2039.4	2032.5	2008.5	1939.8	1902.1	1854.0	1795.6	1754.4	1744.1	1754.4
10°	2049.7	2049.7	2018.8	1950.1	1884.9	1775.0	1713.2	1610.2	1551.9	1534.7	1538.1
12.5°	2036.0	2046.3	1998.2	1888.3	1764.7	1630.8	1517.5	1407.7	1304.7	1263.5	1256.6
15°	2049.7	2039.4	1953.6	1812.8	1641.1	1455.7	1290.9	1129.6	1033.4	971.6	957.9
17.5°	2029.1	2018.8	1895.2	1709.8	1479.8	1242.9	1036.9	861.8	765.6	741.6	741.6
20°	2053.1	1987.9	1826.5	1586.2	1311.5	1009.4	775.9	645.5	621.4	621.4	628.3
22.5°	2049.7	1981.0	1768.2	1466.0	1109.0	762.2	576.8	539.0	542.5	569.9	566.5
25°	2029.1	1967.3	1685.8	1332.1	896.1	573.4	477.2	466.9	491.0	521.9	518.4
27.5°	2025.7	1929.5	1610.2	1174.2	683.2	453.2	415.4	415.4	439.5	466.9	463.5
30°	2005.1	1898.6	1517.5	995.7	515.0	394.8	381.1	381.1	391.4	405.1	405.1
32.5°	2001.6	1857.4	1414.5	810.3	412.0	357.1	350.2	353.6	353.6	360.5	357.1
35°	1974.2	1802.5	1308.1	628.3	357.1	336.5	329.6	326.2	326.2	322.7	322.7
37.5°	1963.9	1768.2	1198.2	487.5	333.0	319.3	312.4	302.1	298.7	298.7	295.3
40°	1974.2	1733.8	1091.8	394.8	312.4	305.6	295.3	281.5	278.1	278.1	278.1
42.5°	2011.9	1730.4	981.9	343.3	302.1	291.8	278.1	264.4	260.9	264.4	260.9
45°	2097.8	1757.9	875.5	319.3	288.4	278.1	260.9	250.6	247.2	250.6	250.6
47.5°	2238.5	1833.4	779.4	305.6	278.1	264.4	247.2	236.9	236.9	236.9	236.9
50°	2472.0	1977.6	686.7	295.3	271.2	254.1	236.9	223.2	219.7	219.7	223.2
52.5°	2822.2	2224.8	611.1	288.4	260.9	240.3	223.2	212.9	206.0	202.6	206.0
55°	3244.5	2585.3	587.1	281.5	247.2	230.0	212.9	199.1	192.3	192.3	188.8
57.5°	3697.7	2983.6	628.3	274.7	236.9	216.3	199.1	185.4	178.5	175.1	175.1
60°	4188.7	3453.9	779.4	271.2	226.6	202.6	185.4	175.1	164.8	161.4	161.4
62.5°	4635.0	3879.7	1050.6	267.8	219.7	188.8	171.7	157.9	151.1	147.6	147.6
65°	5143.1	4353.4	1315.0	281.5	216.3	178.5	157.9	144.2	137.3	133.9	133.9
67.5°	5586.0	4765.4	1469.5	315.9	226.6	164.8	140.8	130.5	127.0	123.6	123.6
70°	5908.7	4892.5	985.4	346.8	243.8	154.5	127.0	120.2	113.3	113.3	113.3
72.5°	5476.1	4367.2	583.7	326.2	230.0	144.2	113.3	106.4	103.0	103.0	99.6
75°	4683.0	3718.3	449.8	264.4	185.4	123.6	99.6	92.7	89.3	89.3	85.8
77.5°	3457.4	2664.3	333.0	209.4	144.2	99.6	85.8	82.4	79.0	75.5	75.5
80°	1352.7	1167.3	226.6	154.5	106.4	79.0	72.1	68.7	65.2	61.8	61.8
82.5°	418.9	353.6	130.5	103.0	75.5	61.8	58.4	54.9	51.5	48.1	48.1
85°	182.0	175.1	85.8	65.2	51.5	41.2	41.2	37.8	34.3	30.9	30.9
87.5°	89.3	85.8	48.1	30.9	27.5	20.6	20.6	17.2	13.7	13.7	13.7
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)