

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: P676988

Luminaire Tested: **CCW-SA-1F-735-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676988
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-735-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1200mA w/
SL3 distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

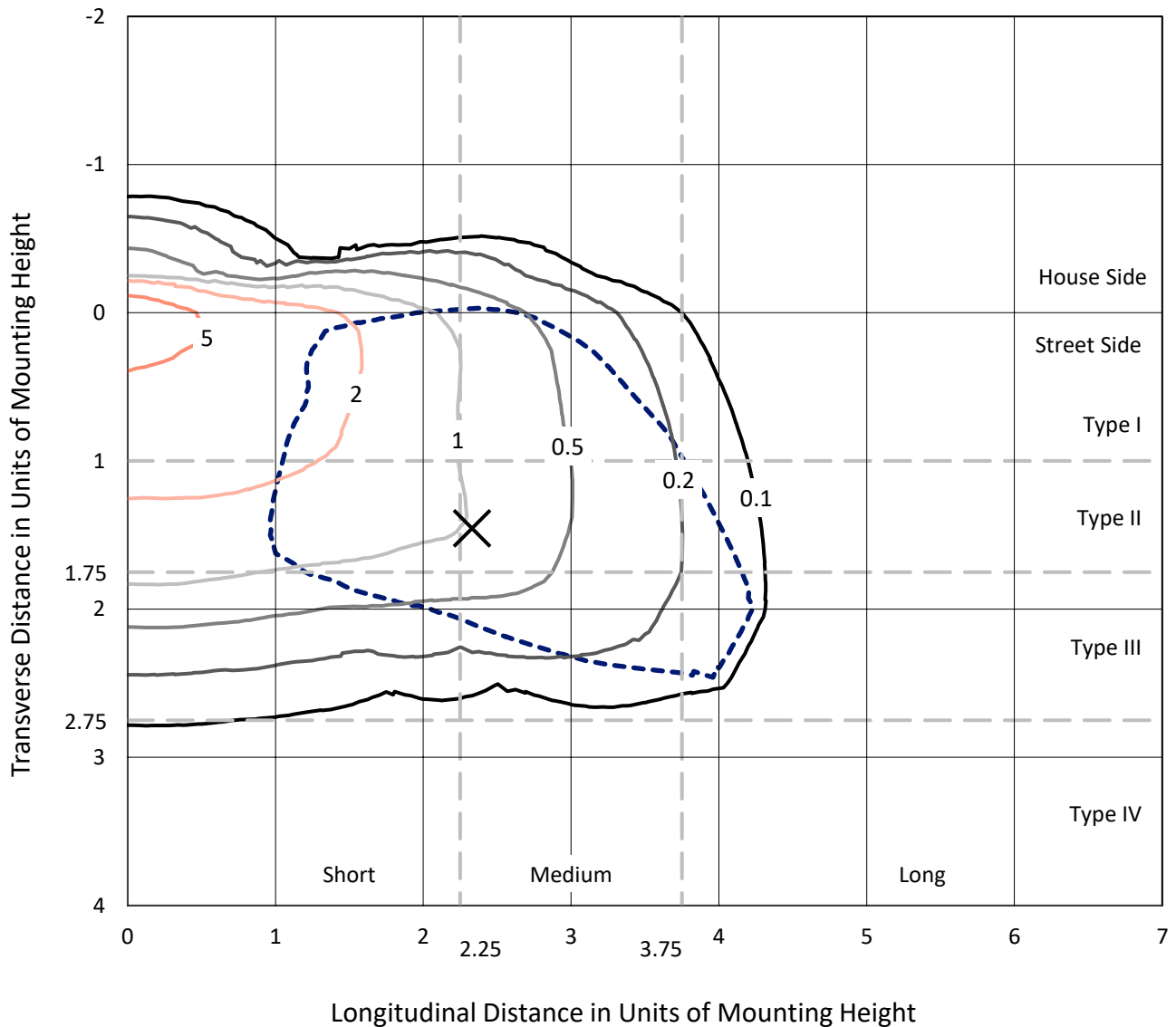
Lumens per Lamp: N/A
Luminaire Lumens: 6110.8 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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

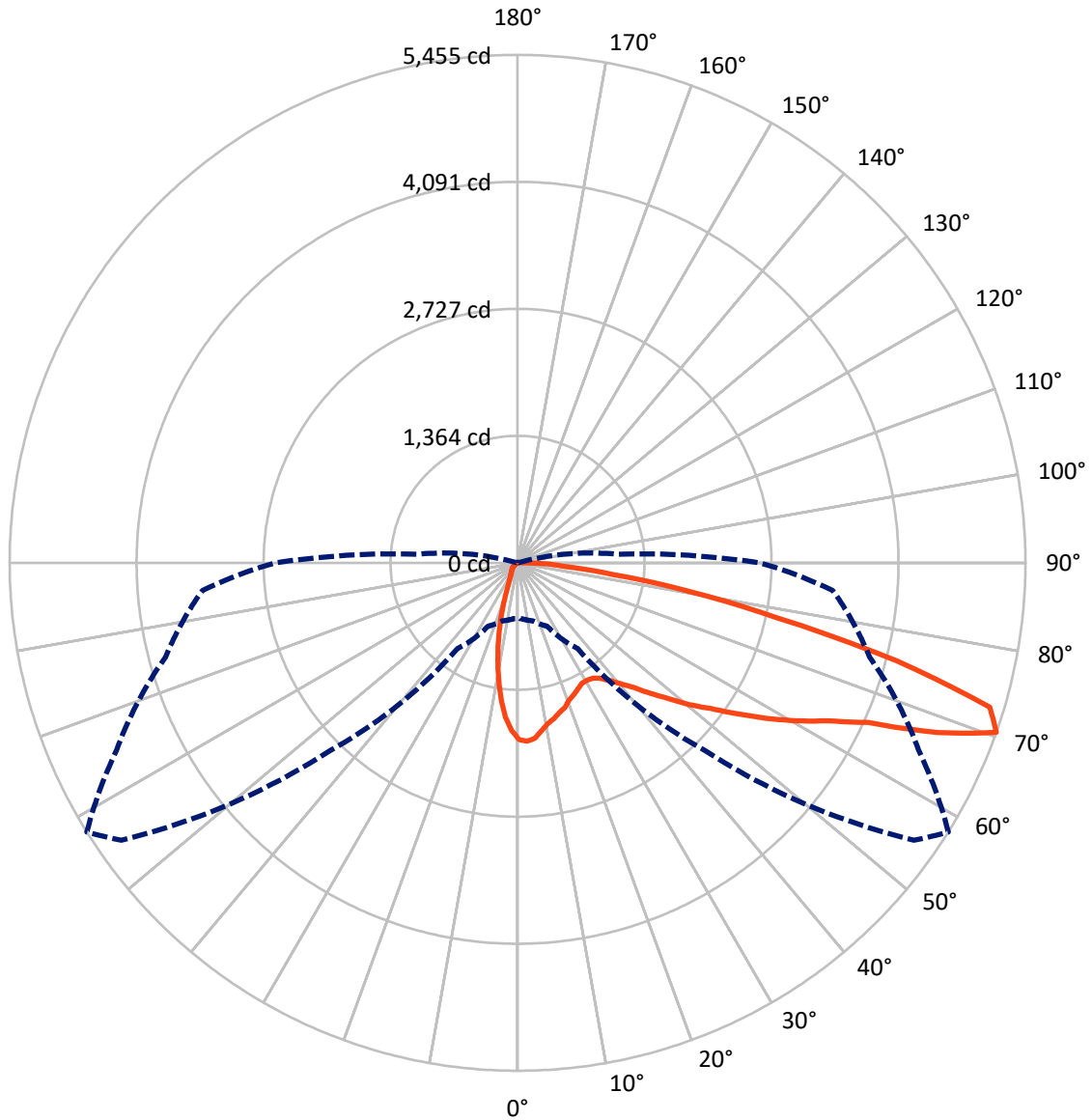
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 8.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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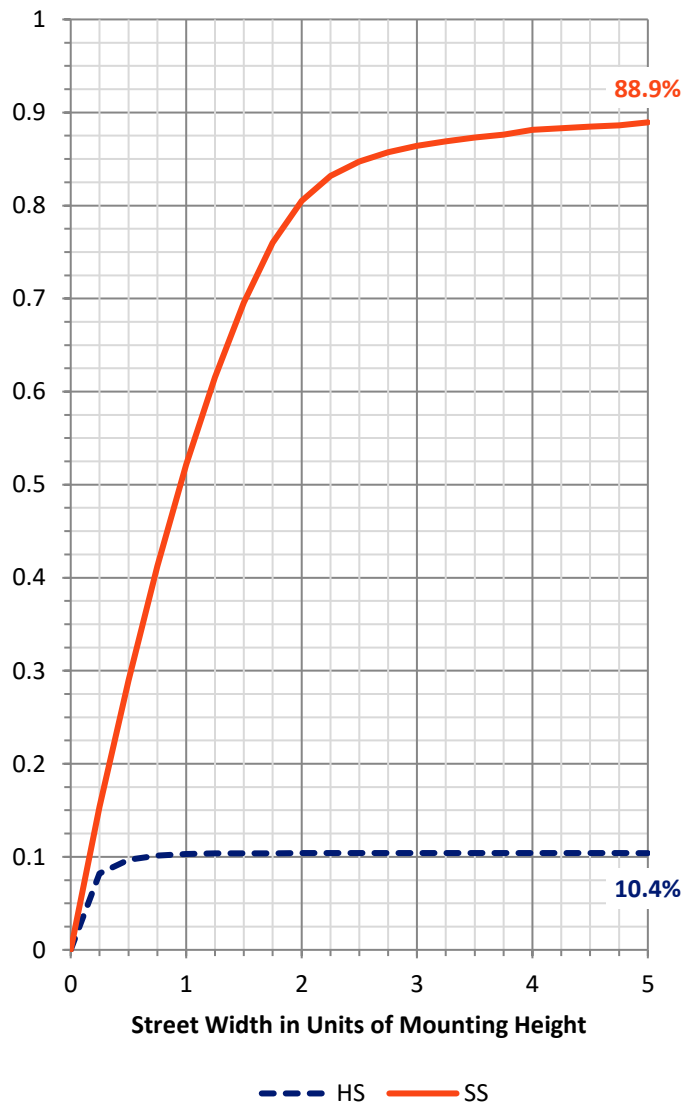
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	639.9	0.0	639.9
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	5470.9	0.0	5470.9
	% Fixture	89.5	0.0	89.5
Total	Lumens	6110.8	0.0	6110.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.8	2.5
10°-20°	322.2	5.3
20°-30°	431.5	7.1
30°-40°	583.3	9.5
40°-50°	837.1	13.7
50°-60°	1233.6	20.2
60°-70°	1504.7	24.6
70°-80°	918.8	15.0
80°-90°	124.8	2.0
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°	6110.8	100.0
0°-180°	6110.8	100.0

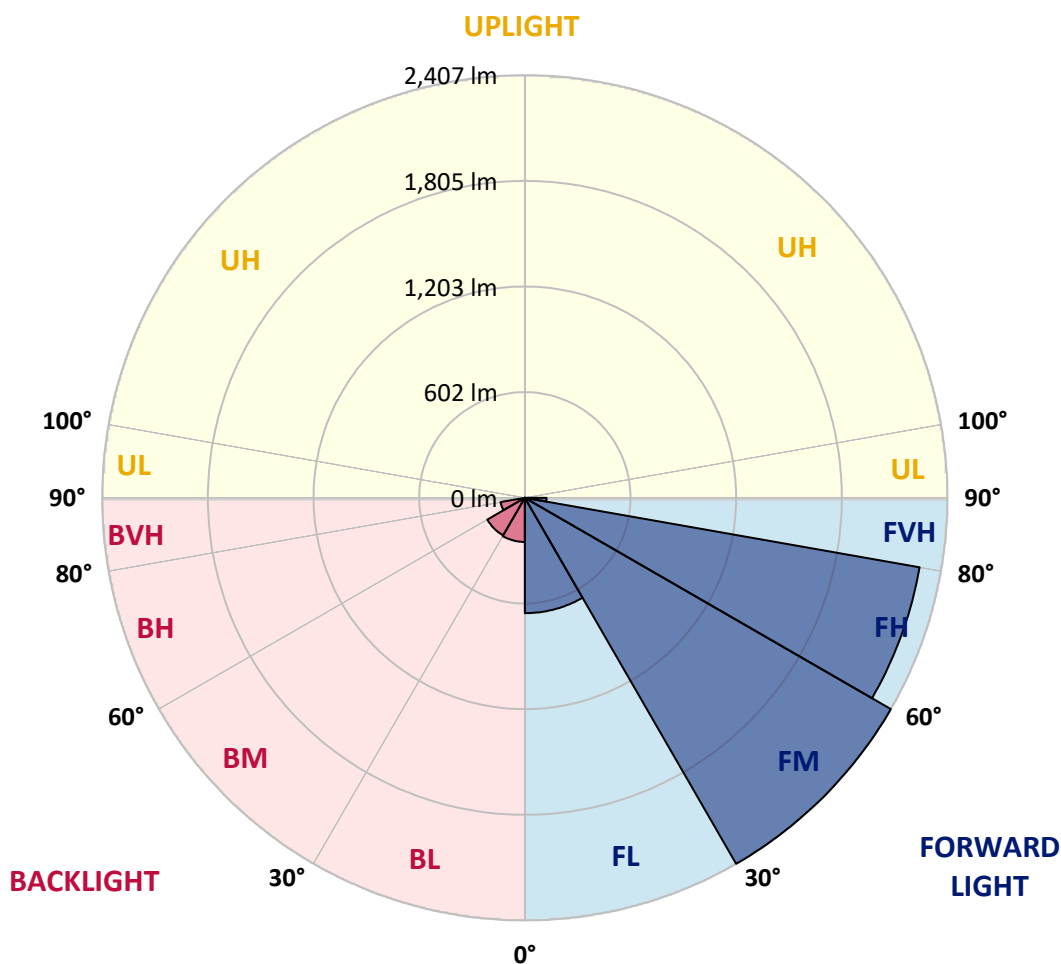


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	657.0	10.8			
FM (30°-60°)	2407.0	39.4			
FH (60°-80°)	2283.3	37.4			G2/5000
FVH (80°-90°)	123.6	2.0			G2/225
BL (0°-30°)	251.5	4.1	B1/500		
BM (30°-60°)	247.0	4.0	B1/1000		
BH (60°-80°)	140.2	2.3	B1/500		G1/500
BVH (80°-90°)	1.2	0.0			G0/10
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°	58°	65°	75°	85°
0°	1897.0	1897.0	1897.0	1897.0	1897.0	1897.0	1897.0	1897.0	1897.0	1897.0	1897.0
2.5°	1931.4	1938.5	1921.3	1941.4	1922.8	1931.4	1921.3	1918.5	1919.9	1921.3	1909.9
5°	1841.1	1858.3	1865.5	1854.0	1881.2	1876.9	1894.1	1895.5	1888.4	1881.2	1882.6
7.5°	1722.2	1739.4	1746.5	1753.7	1780.9	1816.7	1839.7	1825.3	1836.8	1862.6	1823.9
10°	1636.2	1631.9	1630.5	1644.8	1696.4	1726.5	1765.2	1760.9	1789.5	1813.9	1782.4
12.5°	1530.2	1521.6	1547.4	1558.8	1604.7	1657.7	1687.8	1719.3	1748.0	1773.8	1737.9
15°	1451.4	1458.6	1468.6	1492.9	1525.9	1596.1	1640.5	1670.6	1722.2	1735.1	1720.7
17.5°	1388.3	1394.1	1408.4	1421.3	1462.8	1530.2	1600.4	1636.2	1690.7	1725.0	1680.6
20°	1389.8	1372.6	1372.6	1385.5	1408.4	1488.6	1563.1	1574.6	1649.1	1707.9	1677.8
22.5°	1391.2	1385.5	1372.6	1371.2	1381.2	1438.5	1514.4	1540.2	1620.5	1689.2	1653.4
25°	1411.3	1389.8	1391.2	1371.2	1375.5	1404.1	1464.3	1503.0	1594.7	1699.3	1640.5
27.5°	1428.5	1438.5	1418.4	1409.8	1385.5	1384.0	1434.2	1467.1	1581.8	1722.2	1649.1
30°	1467.1	1474.3	1474.3	1468.6	1445.7	1412.7	1424.2	1465.7	1556.0	1717.9	1634.8
32.5°	1531.6	1518.7	1535.9	1527.3	1497.2	1445.7	1455.7	1477.2	1571.7	1772.3	1657.7
35°	1553.1	1563.1	1586.1	1567.4	1557.4	1527.3	1507.3	1523.0	1594.7	1826.8	1692.1
37.5°	1619.0	1604.7	1620.5	1662.0	1672.0	1617.6	1578.9	1601.8	1680.6	1891.2	1723.6
40°	1624.8	1636.2	1664.9	1746.5	1756.6	1733.6	1702.1	1707.9	1766.6	1974.3	1802.4
42.5°	1653.4	1666.3	1725.0	1793.8	1848.3	1852.6	1829.6	1829.6	1879.8	2107.6	1889.8
45°	1709.3	1687.8	1763.7	1879.8	1958.6	1974.3	2004.4	1997.3	2037.4	2248.0	2053.1
47.5°	1730.8	1737.9	1821.0	1961.4	2051.7	2124.8	2174.9	2176.4	2196.4	2427.1	2265.2
50°	1801.0	1799.5	1899.8	2030.2	2163.5	2296.7	2394.1	2394.1	2392.7	2601.9	2447.2
52.5°	1894.1	1891.2	1968.6	2123.4	2296.7	2464.3	2593.3	2597.6	2630.5	2816.8	2656.3
55°	2046.0	2033.1	2107.6	2222.2	2430.0	2633.4	2856.9	2858.4	2832.6	2970.1	2806.8
57.5°	2173.5	2172.1	2233.7	2344.0	2579.0	2851.2	3110.5	3149.2	3067.5	3127.7	2927.1
60°	2140.5	2159.2	2286.7	2450.0	2736.6	3123.4	3384.2	3444.4	3314.0	3235.2	3017.4
62.5°	1935.7	1978.6	2117.6	2378.4	2869.8	3518.9	3761.0	3733.8	3442.9	3326.9	3127.7
65°	1392.6	1435.6	1607.6	1998.7	2715.1	3798.2	4256.7	4133.5	3672.2	3463.0	3275.3
67.5°	819.5	836.7	944.2	1275.2	2030.2	3646.4	4858.5	4868.5	4123.5	3672.2	3530.3
70°	591.7	604.6	646.2	752.2	1124.7	2858.4	5193.8	5454.5	4749.6	3912.9	3395.6
72.5°	454.2	454.2	524.4	626.1	716.4	1712.1	4779.7	5302.6	4885.7	3682.2	2736.6
75°	326.7	335.3	411.2	538.7	660.5	859.7	3521.7	4208.0	4140.7	2984.4	1911.3
77.5°	187.7	192.0	289.4	451.3	620.4	590.3	2176.4	2852.6	2932.9	1868.3	828.1
80°	96.0	98.9	161.9	356.8	561.6	514.4	1298.1	1878.3	1593.2	543.0	192.0
82.5°	47.3	47.3	73.1	227.8	477.1	455.6	763.7	1037.3	564.5	124.7	80.2
85°	15.8	17.2	33.0	128.9	345.3	275.1	467.1	492.9	189.1	47.3	44.4
87.5°	4.3	5.7	8.6	47.3	150.4	180.5	278.0	315.2	77.4	18.6	21.5
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°	1897.0	1897.0	1897.0	1897.0	1897.0	1897.0	1897.0	1897.0	1897.0	1897.0	1897.0
2.5°	1866.9	1856.9	1845.4	1816.7	1793.8	1763.7	1743.7	1727.9	1697.8	1703.6	1690.7
5°	1848.3	1829.6	1763.7	1700.7	1643.4	1556.0	1495.8	1457.1	1425.6	1394.1	1417.0
7.5°	1815.3	1770.9	1667.7	1550.2	1428.5	1313.8	1199.2	1130.4	1080.3	1034.5	1033.0
10°	1759.4	1687.8	1525.9	1372.6	1184.9	1034.5	888.3	773.7	699.2	644.7	643.3
12.5°	1696.4	1621.9	1418.4	1169.1	952.8	740.7	565.9	444.2	374.0	331.0	325.2
15°	1656.3	1547.4	1283.8	988.6	720.7	482.8	313.8	237.8	210.6	200.6	200.6
17.5°	1604.7	1480.0	1150.5	800.9	500.0	279.4	203.5	183.4	182.0	179.1	176.2
20°	1583.2	1428.5	1031.6	639.0	316.6	197.7	174.8	170.5	170.5	167.6	164.8
22.5°	1525.9	1354.0	905.5	468.5	210.6	173.4	164.8	159.0	156.2	153.3	156.2
25°	1500.1	1300.9	786.6	323.8	171.9	154.7	150.4	144.7	140.4	139.0	139.0
27.5°	1482.9	1247.9	670.5	224.9	151.9	141.8	133.2	128.9	123.2	117.5	117.5
30°	1470.0	1206.4	558.8	166.2	136.1	126.1	118.9	108.9	101.7	96.0	96.0
32.5°	1452.8	1157.7	447.0	141.8	123.2	113.2	100.3	91.7	81.7	77.4	77.4
35°	1458.6	1124.7	351.0	126.1	110.3	97.4	86.0	74.5	64.5	60.2	58.7
37.5°	1470.0	1100.4	266.5	113.2	98.9	84.5	71.6	58.7	53.0	47.3	47.3
40°	1518.7	1093.2	196.3	104.6	90.3	74.5	60.2	48.7	43.0	38.7	37.3
42.5°	1600.4	1103.2	151.9	94.6	81.7	63.0	50.1	40.1	34.4	30.1	28.7
45°	1705.0	1141.9	124.7	88.8	71.6	53.0	40.1	33.0	25.8	22.9	22.9
47.5°	1856.9	1202.1	108.9	81.7	63.0	44.4	34.4	25.8	20.1	17.2	17.2
50°	2028.8	1270.9	96.0	73.1	54.4	37.3	27.2	20.1	14.3	12.9	12.9
52.5°	2200.7	1358.3	88.8	67.3	47.3	30.1	21.5	14.3	10.0	8.6	8.6
55°	2381.2	1435.6	80.2	63.0	38.7	24.4	15.8	8.6	5.7	4.3	4.3
57.5°	2507.3	1465.7	70.2	54.4	30.1	18.6	11.5	5.7	2.9	1.4	1.4
60°	2597.6	1470.0	60.2	44.4	22.9	14.3	7.2	2.9	1.4	0.0	0.0
62.5°	2673.5	1478.6	51.6	34.4	17.2	10.0	4.3	1.4	0.0	0.0	0.0
65°	2824.0	1471.4	41.6	27.2	11.5	5.7	2.9	0.0	0.0	0.0	0.0
67.5°	2942.9	1399.8	33.0	18.6	7.2	2.9	1.4	0.0	0.0	0.0	0.0
70°	2603.3	1067.4	25.8	12.9	4.3	1.4	0.0	0.0	0.0	0.0	0.0
72.5°	2044.5	712.1	17.2	7.2	2.9	1.4	0.0	0.0	0.0	0.0	0.0
75°	1341.1	353.9	12.9	4.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	521.5	93.1	8.6	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	126.1	31.5	4.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	54.4	11.5	2.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	33.0	5.7	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.2	2.9	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)