

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: P676998

Luminaire Tested: **CCW-SA-1E-740-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676998
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1E-740-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/
SL3 distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5649.7 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

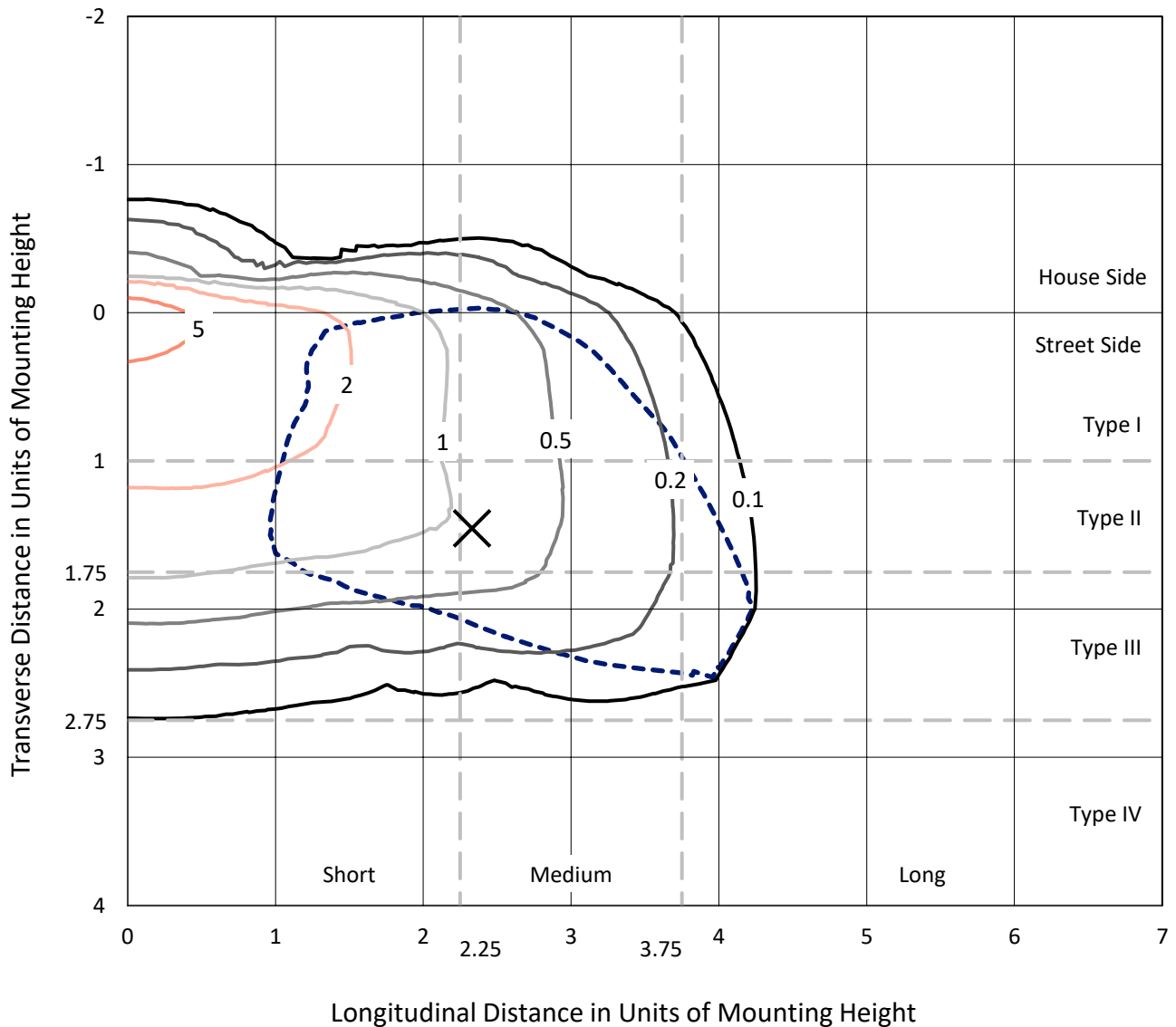
Input Watts (W): 56.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

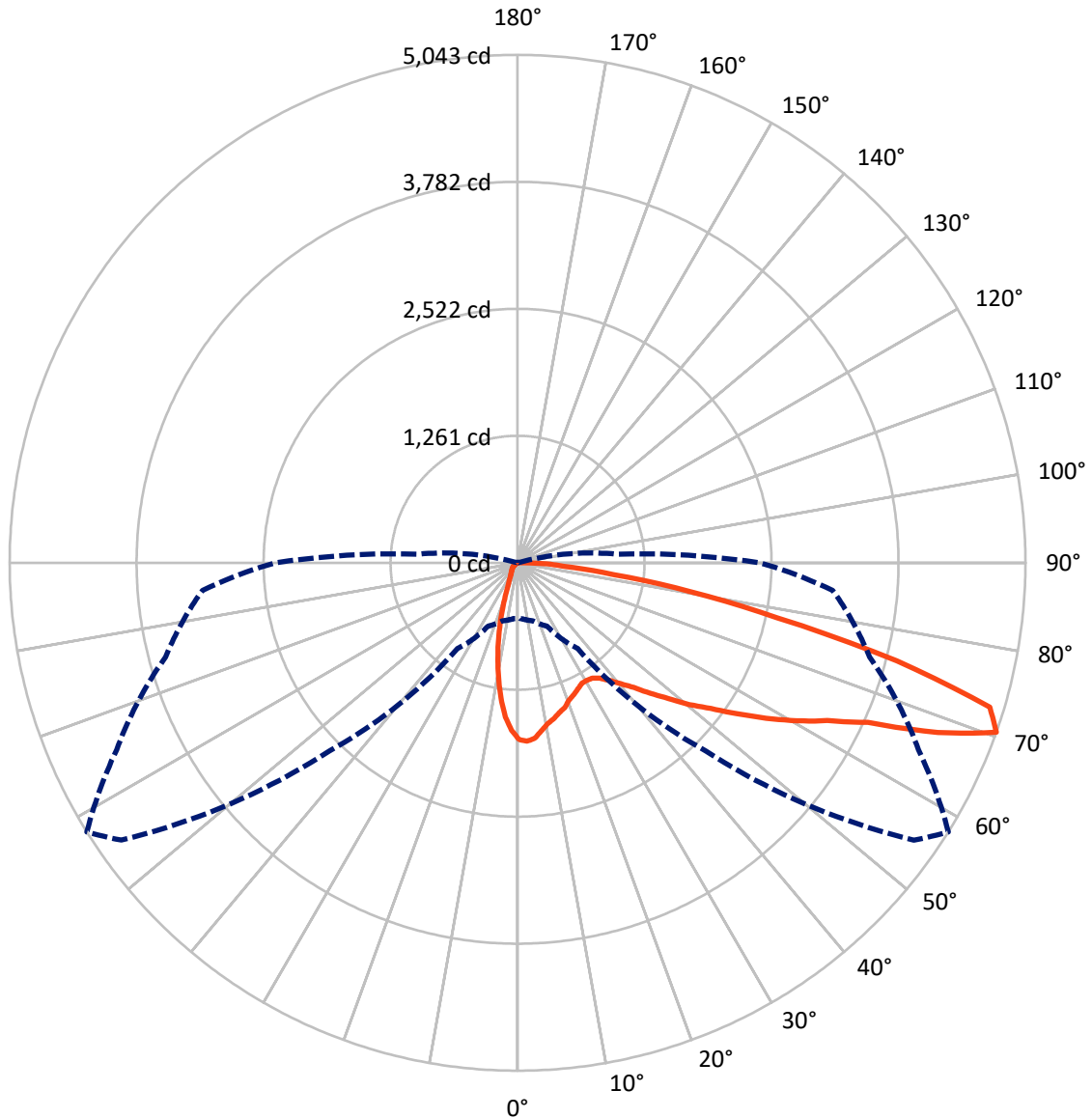
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.8 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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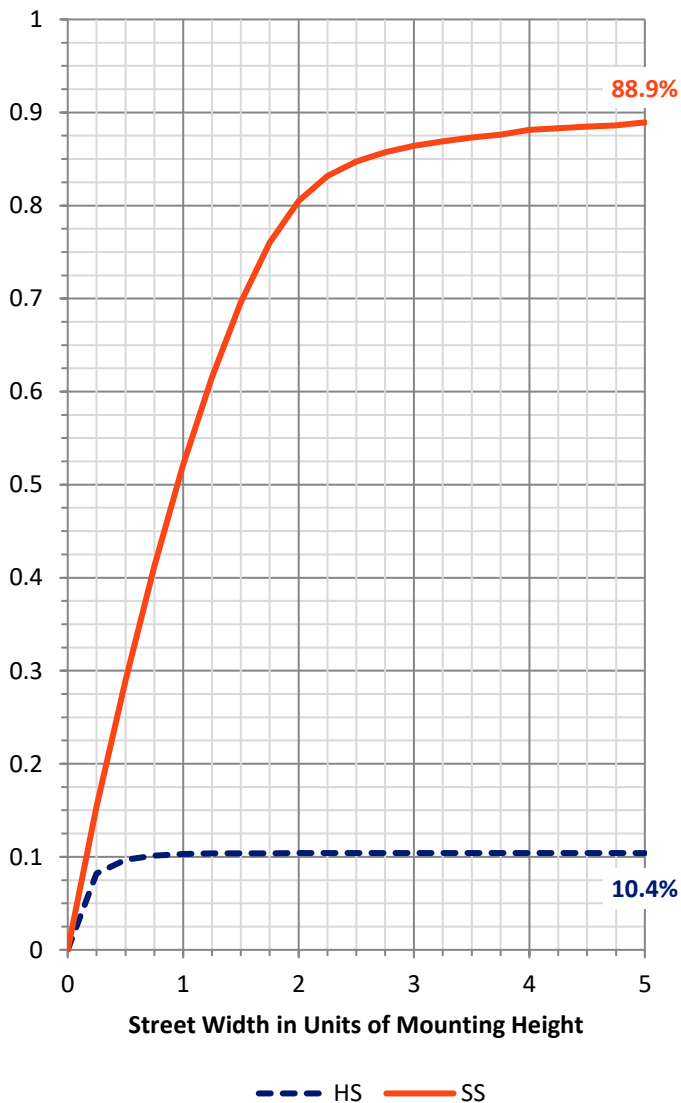
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	591.6	0.0	591.6
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	5058.1	0.0	5058.1
	% Fixture	89.5	0.0	89.5
Total	Lumens	5649.7	0.0	5649.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.1	2.5
10°-20°	297.9	5.3
20°-30°	398.9	7.1
30°-40°	539.2	9.5
40°-50°	773.9	13.7
50°-60°	1140.5	20.2
60°-70°	1391.2	24.6
70°-80°	849.5	15.0
80°-90°	115.4	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°	5649.7	100.0
0°-180°	5649.7	100.0

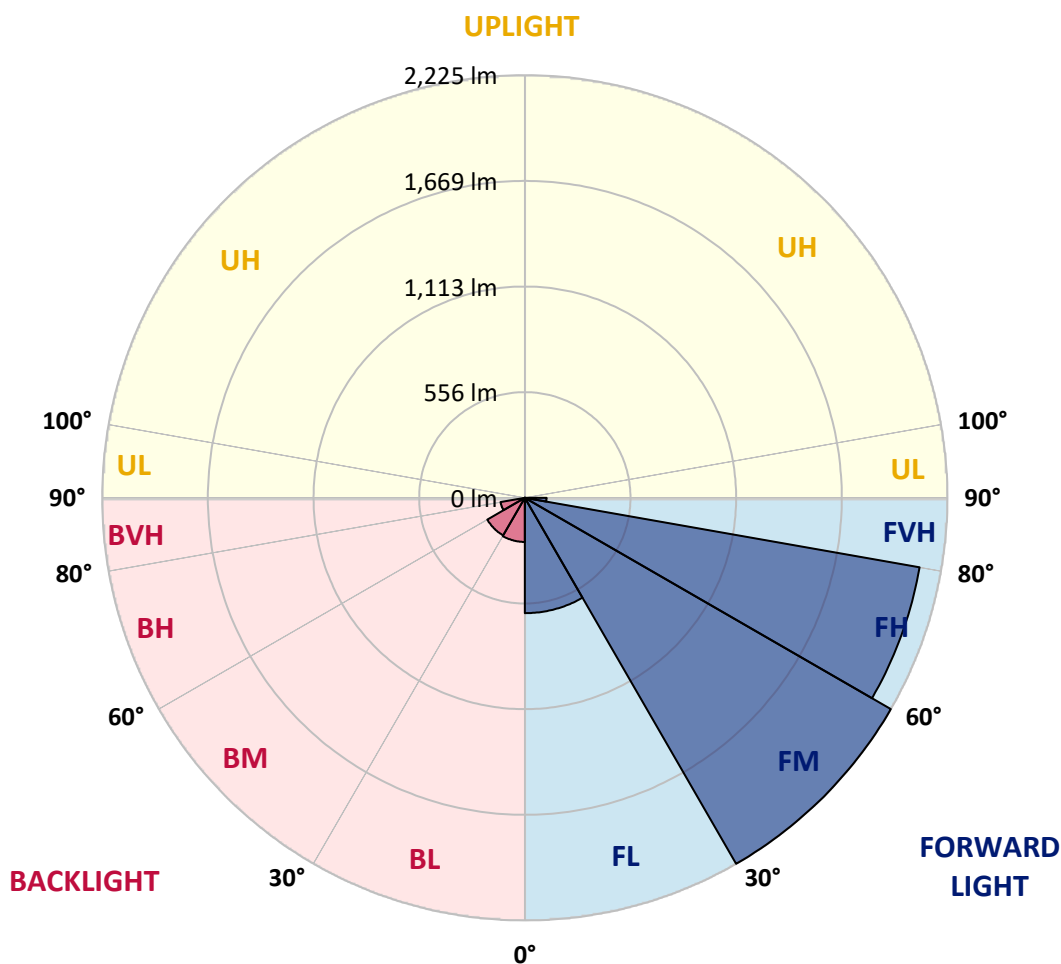


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	607.4	10.8			
FM (30°-60°)	2225.4	39.4			
FH (60°-80°)	2111.0	37.4			G2/5000
FVH (80°-90°)	114.3	2.0			G2/225
BL (0°-30°)	232.5	4.1	B1/500		
BM (30°-60°)	228.3	4.0	B1/1000		
BH (60°-80°)	129.7	2.3	B1/500		G1/500
BVH (80°-90°)	1.1	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°	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9
2.5°	1785.6	1792.3	1776.4	1794.9	1777.7	1785.6	1776.4	1773.7	1775.0	1776.4	1765.8
5°	1702.2	1718.1	1724.7	1714.1	1739.3	1735.3	1751.2	1752.5	1745.9	1739.3	1740.6
7.5°	1592.2	1608.1	1614.8	1621.4	1646.6	1679.7	1700.9	1687.6	1698.2	1722.1	1686.3
10°	1512.8	1508.8	1507.5	1520.7	1568.4	1596.2	1632.0	1628.0	1654.5	1677.0	1647.9
12.5°	1414.7	1406.8	1430.6	1441.2	1483.6	1532.6	1560.5	1589.6	1616.1	1639.9	1606.8
15°	1341.9	1348.5	1357.8	1380.3	1410.8	1475.7	1516.7	1544.6	1592.2	1604.2	1590.9
17.5°	1283.6	1288.9	1302.1	1314.1	1352.5	1414.7	1479.6	1512.8	1563.1	1594.9	1553.8
20°	1284.9	1269.0	1269.0	1280.9	1302.1	1376.3	1445.2	1455.8	1524.7	1579.0	1551.2
22.5°	1286.2	1280.9	1269.0	1267.7	1277.0	1330.0	1400.2	1424.0	1498.2	1561.8	1528.7
25°	1304.8	1284.9	1286.2	1267.7	1271.7	1298.2	1353.8	1389.6	1474.3	1571.1	1516.7
27.5°	1320.7	1330.0	1311.4	1303.5	1280.9	1279.6	1326.0	1356.5	1462.4	1592.2	1524.7
30°	1356.5	1363.1	1363.1	1357.8	1336.6	1306.1	1316.7	1355.1	1438.6	1588.3	1511.4
32.5°	1416.1	1404.1	1420.0	1412.1	1384.3	1336.6	1345.9	1365.7	1453.2	1638.6	1532.6
35°	1435.9	1445.2	1466.4	1449.2	1439.9	1412.1	1393.5	1408.1	1474.3	1688.9	1564.4
37.5°	1496.9	1483.6	1498.2	1536.6	1545.9	1495.5	1459.8	1481.0	1553.8	1748.6	1593.6
40°	1502.2	1512.8	1539.3	1614.8	1624.0	1602.8	1573.7	1579.0	1633.3	1825.4	1666.4
42.5°	1528.7	1540.6	1594.9	1658.5	1708.8	1712.8	1691.6	1691.6	1738.0	1948.6	1747.2
45°	1580.3	1560.5	1630.7	1738.0	1810.8	1825.4	1853.2	1846.6	1883.7	2078.4	1898.2
47.5°	1600.2	1606.8	1683.6	1813.5	1896.9	1964.5	2010.8	2012.2	2030.7	2244.0	2094.3
50°	1665.1	1663.8	1756.5	1877.0	2000.2	2123.4	2213.5	2213.5	2212.2	2405.6	2262.5
52.5°	1751.2	1748.6	1820.1	1963.2	2123.4	2278.4	2397.6	2401.6	2432.1	2604.3	2455.9
55°	1891.6	1879.7	1948.6	2054.6	2246.6	2434.7	2641.4	2642.7	2618.9	2746.0	2595.0
57.5°	2009.5	2008.2	2065.1	2167.1	2384.4	2636.1	2875.8	2911.6	2836.1	2891.7	2706.3
60°	1979.0	1996.3	2114.2	2265.2	2530.1	2887.8	3128.9	3184.5	3063.9	2991.1	2789.7
62.5°	1789.6	1829.4	1957.9	2198.9	2653.3	3253.4	3477.2	3452.1	3183.2	3075.9	2891.7
65°	1287.6	1327.3	1486.3	1847.9	2510.2	3511.7	3935.6	3821.7	3395.1	3201.7	3028.2
67.5°	757.7	773.6	873.0	1179.0	1877.0	3371.3	4491.9	4501.2	3812.4	3395.1	3264.0
70°	547.1	559.0	597.4	695.4	1039.9	2642.7	4801.9	5043.0	4391.3	3617.7	3139.5
72.5°	419.9	419.9	484.8	578.9	662.3	1583.0	4419.1	4902.6	4517.1	3404.4	2530.1
75°	302.0	310.0	380.2	498.1	610.7	794.8	3256.0	3890.5	3828.3	2759.3	1767.1
77.5°	173.5	177.5	267.6	417.3	573.6	545.8	2012.2	2637.4	2711.6	1727.4	765.7
80°	88.8	91.4	149.7	329.8	519.3	475.6	1200.1	1736.6	1473.0	502.0	177.5
82.5°	43.7	43.7	67.6	210.6	441.1	421.2	706.0	959.1	521.9	115.2	74.2
85°	14.6	15.9	30.5	119.2	319.2	254.3	431.8	455.7	174.9	43.7	41.1
87.5°	4.0	5.3	7.9	43.7	139.1	166.9	257.0	291.4	71.5	17.2	19.9
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°	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9	1753.9
2.5°	1726.0	1716.8	1706.2	1679.7	1658.5	1630.7	1612.1	1597.5	1569.7	1575.0	1563.1
5°	1708.8	1691.6	1630.7	1572.4	1519.4	1438.6	1382.9	1347.2	1318.0	1288.9	1310.1
7.5°	1678.3	1637.3	1541.9	1433.3	1320.7	1214.7	1108.7	1045.2	998.8	956.4	955.1
10°	1626.7	1560.5	1410.8	1269.0	1095.5	956.4	821.3	715.3	646.4	596.1	594.8
12.5°	1568.4	1499.5	1311.4	1080.9	880.9	684.9	523.2	410.6	345.7	306.0	300.7
15°	1531.3	1430.6	1186.9	914.0	666.3	446.4	290.1	219.9	194.7	185.5	185.5
17.5°	1483.6	1368.4	1063.7	740.5	462.3	258.3	188.1	169.6	168.2	165.6	162.9
20°	1463.8	1320.7	953.8	590.8	292.8	182.8	161.6	157.6	157.6	155.0	152.3
22.5°	1410.8	1251.8	837.2	433.2	194.7	160.3	152.3	147.0	144.4	141.7	144.4
25°	1386.9	1202.8	727.2	299.4	159.0	143.1	139.1	133.8	129.8	128.5	128.5
27.5°	1371.0	1153.8	619.9	208.0	140.4	131.1	123.2	119.2	113.9	108.6	108.6
30°	1359.1	1115.4	516.6	153.7	125.8	116.6	109.9	100.7	94.1	88.8	88.8
32.5°	1343.2	1070.3	413.3	131.1	113.9	104.6	92.7	84.8	75.5	71.5	71.5
35°	1348.5	1039.9	324.5	116.6	102.0	90.1	79.5	68.9	59.6	55.6	54.3
37.5°	1359.1	1017.3	246.4	104.6	91.4	78.2	66.2	54.3	49.0	43.7	43.7
40°	1404.1	1010.7	181.5	96.7	83.5	68.9	55.6	45.0	39.7	35.8	34.4
42.5°	1479.6	1020.0	140.4	87.4	75.5	58.3	46.4	37.1	31.8	27.8	26.5
45°	1576.3	1055.8	115.2	82.1	66.2	49.0	37.1	30.5	23.8	21.2	21.2
47.5°	1716.8	1111.4	100.7	75.5	58.3	41.1	31.8	23.8	18.5	15.9	15.9
50°	1875.7	1175.0	88.8	67.6	50.3	34.4	25.2	18.5	13.2	11.9	11.9
52.5°	2034.7	1255.8	82.1	62.3	43.7	27.8	19.9	13.2	9.3	7.9	7.9
55°	2201.6	1327.3	74.2	58.3	35.8	22.5	14.6	7.9	5.3	4.0	4.0
57.5°	2318.2	1355.1	64.9	50.3	27.8	17.2	10.6	5.3	2.6	1.3	1.3
60°	2401.6	1359.1	55.6	41.1	21.2	13.2	6.6	2.6	1.3	0.0	0.0
62.5°	2471.8	1367.1	47.7	31.8	15.9	9.3	4.0	1.3	0.0	0.0	0.0
65°	2610.9	1360.4	38.4	25.2	10.6	5.3	2.6	0.0	0.0	0.0	0.0
67.5°	2720.9	1294.2	30.5	17.2	6.6	2.6	1.3	0.0	0.0	0.0	0.0
70°	2406.9	986.9	23.8	11.9	4.0	1.3	0.0	0.0	0.0	0.0	0.0
72.5°	1890.3	658.4	15.9	6.6	2.6	1.3	0.0	0.0	0.0	0.0	0.0
75°	1239.9	327.2	11.9	4.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	482.2	86.1	7.9	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	116.6	29.1	4.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	50.3	10.6	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	30.5	5.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.9	2.6	1.3	1.3	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)