

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: P677035

Luminaire Tested: **CCW-SA-2C-827-U-SL3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P677035
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-827-U-SL3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SL3 distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

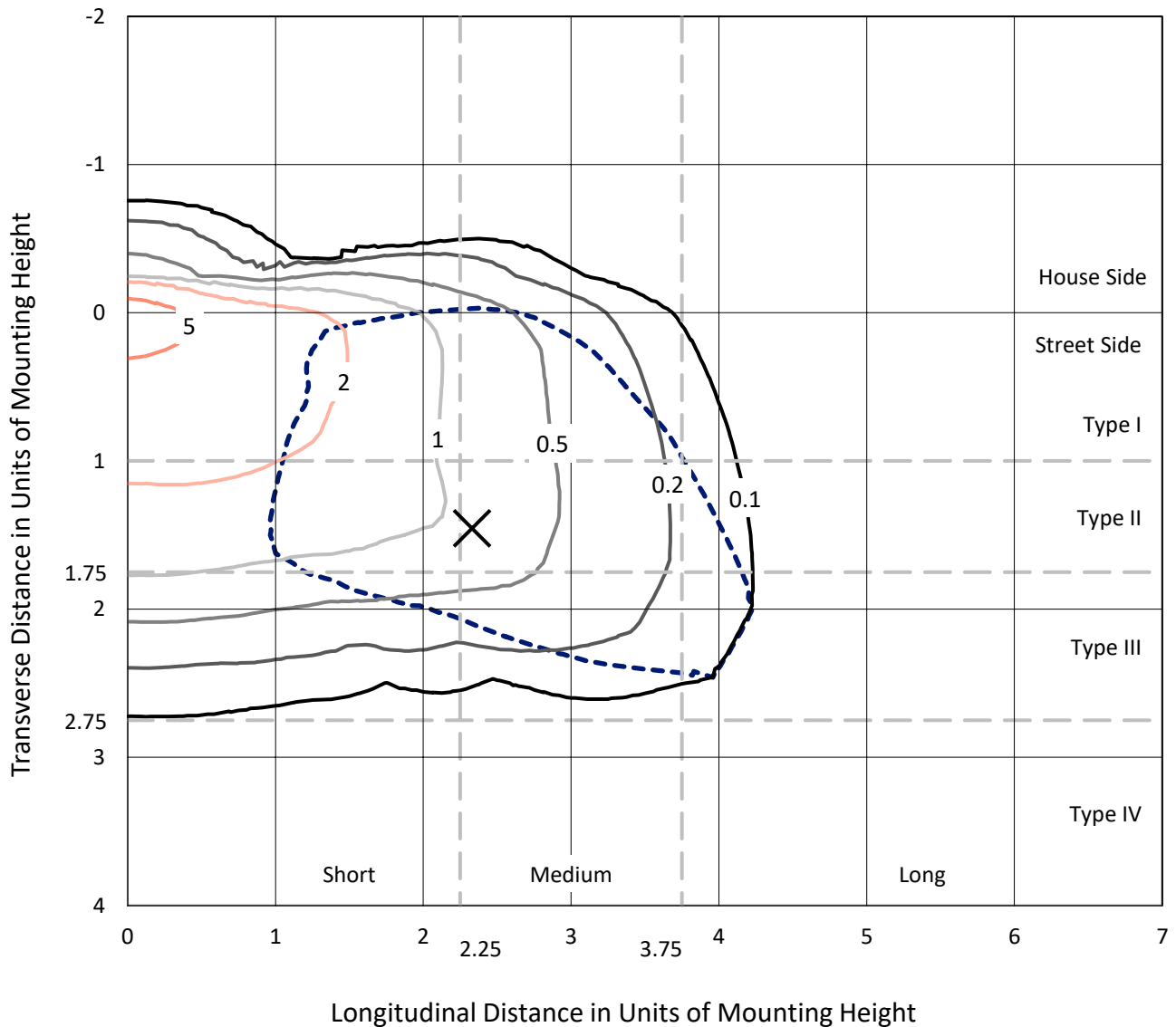
Lumens per Lamp: N/A
Luminaire Lumens: 5492.2 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
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

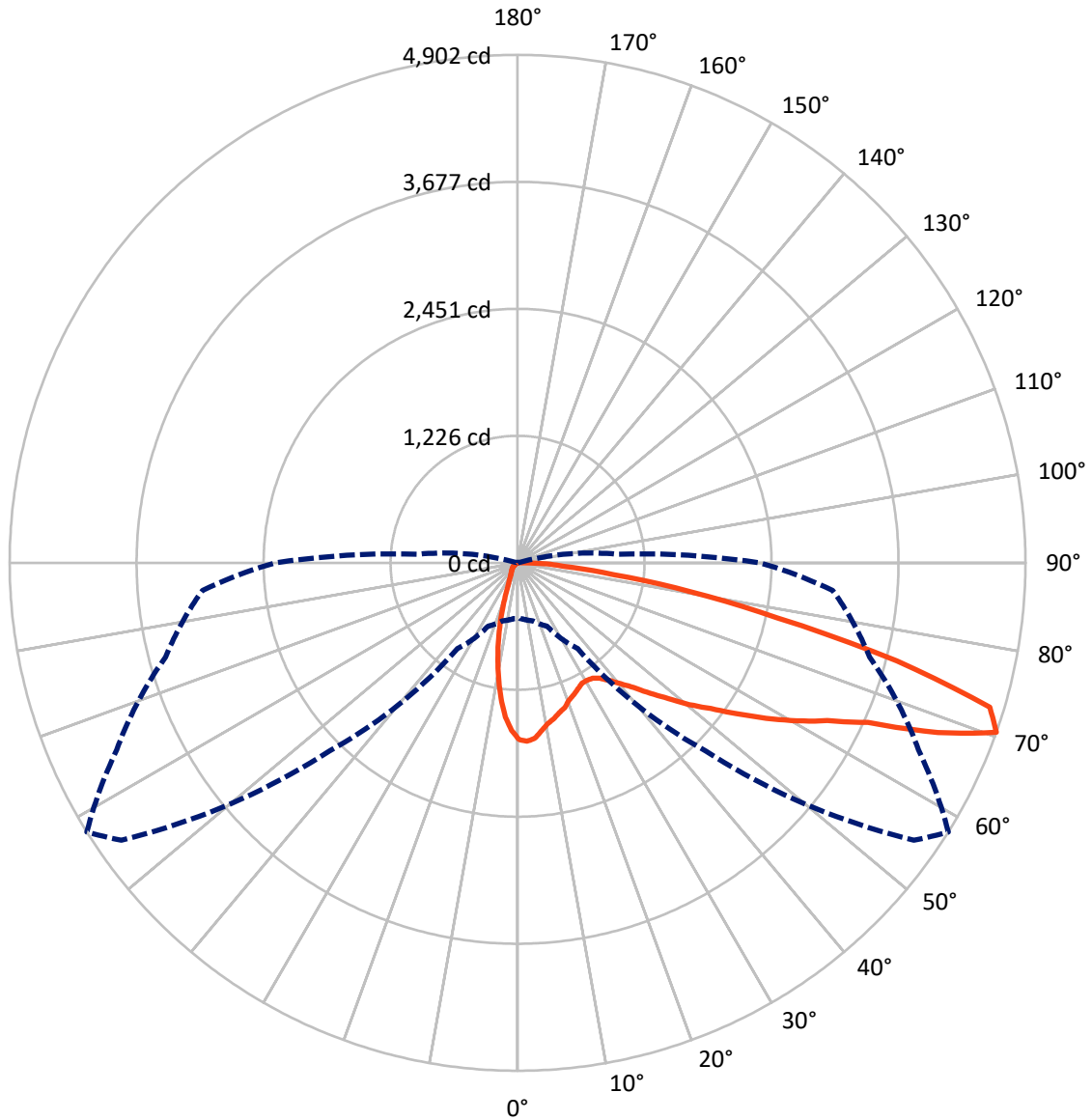
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.6 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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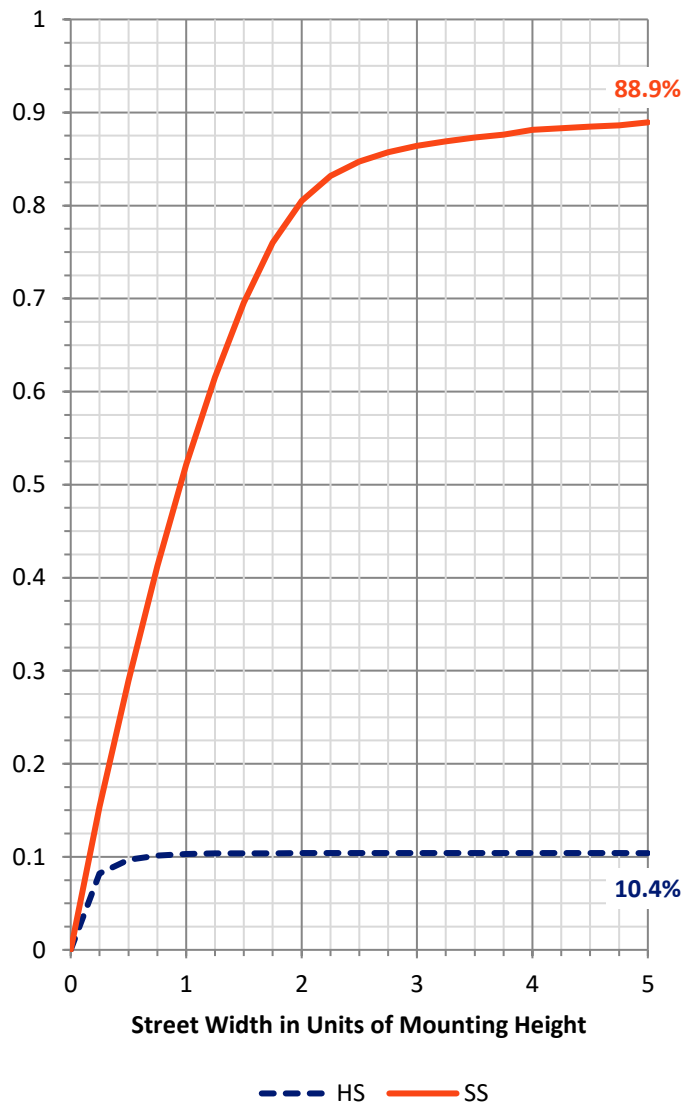
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	575.1	0.0	575.1
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	4917.1	0.0	4917.1
	% Fixture	89.5	0.0	89.5
Total	Lumens	5492.2	0.0	5492.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.1	2.5
10°-20°	289.6	5.3
20°-30°	387.8	7.1
30°-40°	524.2	9.5
40°-50°	752.4	13.7
50°-60°	1108.7	20.2
60°-70°	1352.4	24.6
70°-80°	825.8	15.0
80°-90°	112.2	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°	5492.2	100.0
0°-180°	5492.2	100.0

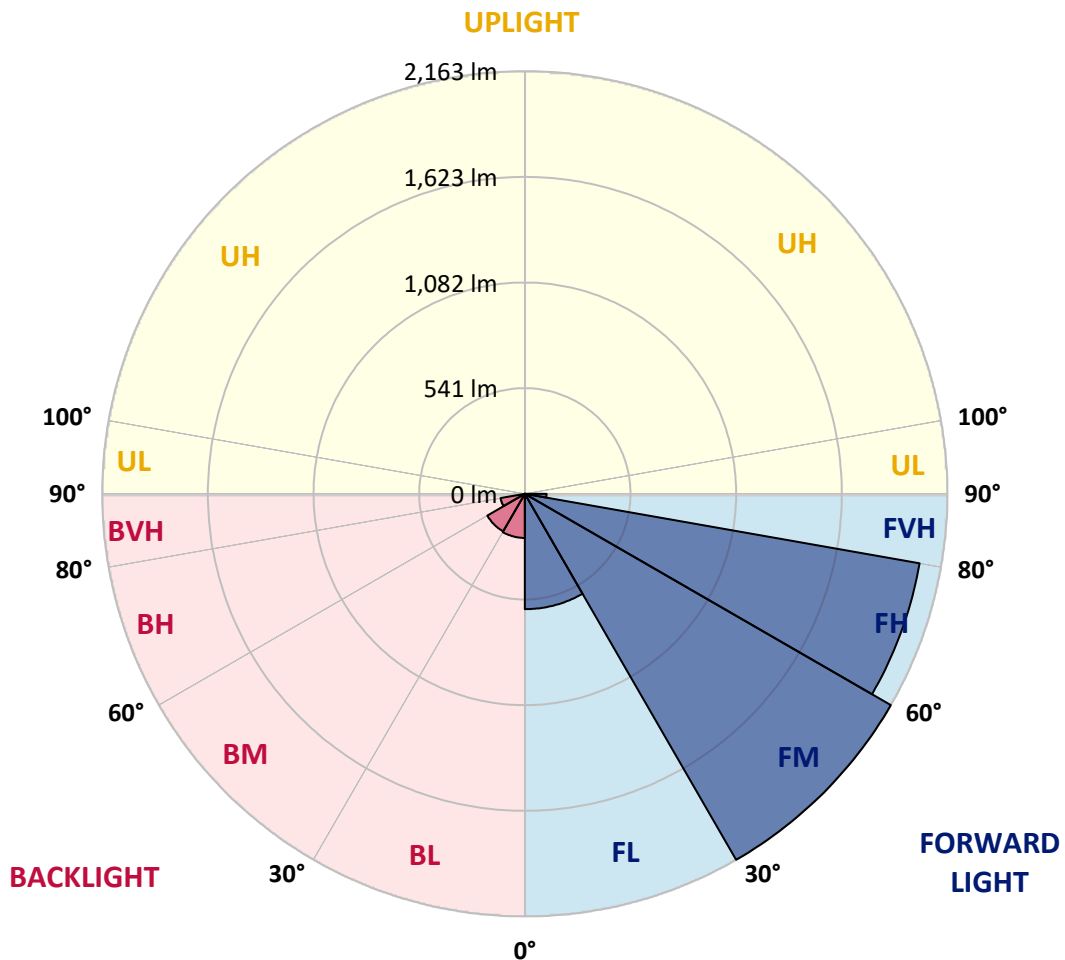


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	590.5	10.8			
FM (30°-60°)	2163.3	39.4			
FH (60°-80°)	2052.2	37.4			G2/5000
FVH (80°-90°)	111.1	2.0			G2/225
BL (0°-30°)	226.0	4.1	B1/500		
BM (30°-60°)	222.0	4.0	B1/1000		
BH (60°-80°)	126.0	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°	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0
2.5°	1735.9	1742.3	1726.9	1744.9	1728.1	1735.9	1726.9	1724.3	1725.6	1726.9	1716.5
5°	1654.7	1670.2	1676.6	1666.3	1690.8	1686.9	1702.4	1703.7	1697.2	1690.8	1692.1
7.5°	1547.9	1563.3	1569.7	1576.2	1600.7	1632.8	1653.4	1640.6	1650.9	1674.1	1639.3
10°	1470.6	1466.7	1465.4	1478.3	1524.7	1551.7	1586.5	1582.6	1608.4	1630.3	1601.9
12.5°	1375.3	1367.6	1390.8	1401.1	1442.3	1489.9	1516.9	1545.3	1571.0	1594.2	1562.0
15°	1304.5	1310.9	1319.9	1341.8	1371.4	1434.5	1474.5	1501.5	1547.9	1559.4	1546.6
17.5°	1247.8	1253.0	1265.8	1277.4	1314.8	1375.3	1438.4	1470.6	1519.5	1550.4	1510.5
20°	1249.1	1233.6	1233.6	1245.2	1265.8	1338.0	1404.9	1415.2	1482.2	1535.0	1507.9
22.5°	1250.4	1245.2	1233.6	1232.4	1241.4	1292.9	1361.1	1384.3	1456.4	1518.2	1486.0
25°	1268.4	1249.1	1250.4	1232.4	1236.2	1262.0	1316.1	1350.8	1433.2	1527.3	1474.5
27.5°	1283.9	1292.9	1274.9	1267.1	1245.2	1244.0	1289.0	1318.6	1421.7	1547.9	1482.2
30°	1318.6	1325.1	1325.1	1319.9	1299.3	1269.7	1280.0	1317.4	1398.5	1544.0	1469.3
32.5°	1376.6	1365.0	1380.4	1372.7	1345.7	1299.3	1308.3	1327.7	1412.6	1592.9	1489.9
35°	1395.9	1404.9	1425.5	1408.8	1399.8	1372.7	1354.7	1368.9	1433.2	1641.9	1520.8
37.5°	1455.1	1442.3	1456.4	1493.8	1502.8	1453.9	1419.1	1439.7	1510.5	1699.8	1549.1
40°	1460.3	1470.6	1496.3	1569.7	1578.8	1558.2	1529.8	1535.0	1587.8	1774.5	1620.0
42.5°	1486.0	1497.6	1550.4	1612.2	1661.2	1665.0	1644.4	1644.4	1689.5	1894.3	1698.5
45°	1536.3	1516.9	1585.2	1689.5	1760.3	1774.5	1801.5	1795.1	1831.2	2020.5	1845.3
47.5°	1555.6	1562.0	1636.7	1762.9	1844.0	1909.7	1954.8	1956.1	1974.1	2181.4	2035.9
50°	1618.7	1617.4	1707.5	1824.7	1944.5	2064.2	2151.8	2151.8	2150.5	2338.5	2199.4
52.5°	1702.4	1699.8	1769.3	1908.4	2064.2	2214.9	2330.8	2334.7	2364.3	2531.7	2387.5
55°	1838.9	1827.3	1894.3	1997.3	2184.0	2366.9	2567.7	2569.0	2545.8	2669.5	2522.7
57.5°	1953.5	1952.2	2007.6	2106.7	2317.9	2562.6	2795.7	2830.4	2757.0	2811.1	2630.8
60°	1923.9	1940.6	2055.2	2202.0	2459.6	2807.3	3041.6	3095.7	2978.5	2907.7	2712.0
62.5°	1739.7	1778.4	1903.3	2137.6	2579.3	3162.7	3380.3	3355.8	3094.4	2990.1	2811.1
65°	1251.7	1290.3	1444.8	1796.4	2440.3	3413.8	3825.9	3715.1	3300.5	3112.5	2943.8
67.5°	736.6	752.0	848.6	1146.1	1824.7	3277.3	4366.7	4375.7	3706.1	3300.5	3173.0
70°	531.8	543.4	580.8	676.1	1010.9	2569.0	4668.0	4902.4	4268.8	3516.8	3051.9
72.5°	408.2	408.2	471.3	562.7	643.9	1538.8	4295.9	4765.9	4391.2	3309.5	2459.6
75°	293.6	301.3	369.6	484.2	593.6	772.6	3165.2	3782.1	3721.5	2682.3	1717.8
77.5°	168.7	172.6	260.1	405.6	557.6	530.5	1956.1	2563.9	2636.0	1679.2	744.3
80°	86.3	88.9	145.5	320.6	504.8	462.3	1166.7	1688.2	1432.0	488.1	172.6
82.5°	42.5	42.5	65.7	204.7	428.8	409.5	686.4	932.3	507.4	112.0	72.1
85°	14.2	15.5	29.6	115.9	310.3	247.2	419.8	443.0	170.0	42.5	39.9
87.5°	3.9	5.2	7.7	42.5	135.2	162.3	249.8	283.3	69.5	16.7	19.3
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°	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0	1705.0
2.5°	1677.9	1668.9	1658.6	1632.8	1612.2	1585.2	1567.2	1553.0	1526.0	1531.1	1519.5
5°	1661.2	1644.4	1585.2	1528.5	1477.0	1398.5	1344.4	1309.6	1281.3	1253.0	1273.6
7.5°	1631.6	1591.6	1498.9	1393.3	1283.9	1180.9	1077.8	1016.0	971.0	929.7	928.5
10°	1581.3	1516.9	1371.4	1233.6	1065.0	929.7	798.4	695.4	628.4	579.5	578.2
12.5°	1524.7	1457.7	1274.9	1050.8	856.3	665.8	508.7	399.2	336.1	297.5	292.3
15°	1488.6	1390.8	1153.8	888.5	647.7	434.0	282.0	213.8	189.3	180.3	180.3
17.5°	1442.3	1330.2	1034.0	719.8	449.4	251.1	182.9	164.8	163.5	161.0	158.4
20°	1422.9	1283.9	927.2	574.3	284.6	177.7	157.1	153.2	153.2	150.7	148.1
22.5°	1371.4	1216.9	813.8	421.1	189.3	155.8	148.1	142.9	140.4	137.8	140.4
25°	1348.3	1169.3	707.0	291.0	154.5	139.1	135.2	130.1	126.2	124.9	124.9
27.5°	1332.8	1121.6	602.7	202.2	136.5	127.5	119.8	115.9	110.7	105.6	105.6
30°	1321.2	1084.3	502.2	149.4	122.3	113.3	106.9	97.9	91.4	86.3	86.3
32.5°	1305.8	1040.5	401.8	127.5	110.7	101.7	90.1	82.4	73.4	69.5	69.5
35°	1310.9	1010.9	315.5	113.3	99.2	87.6	77.3	67.0	57.9	54.1	52.8
37.5°	1321.2	989.0	239.5	101.7	88.9	76.0	64.4	52.8	47.6	42.5	42.5
40°	1365.0	982.5	176.4	94.0	81.1	67.0	54.1	43.8	38.6	34.8	33.5
42.5°	1438.4	991.6	136.5	85.0	73.4	56.7	45.1	36.1	30.9	27.0	25.8
45°	1532.4	1026.3	112.0	79.8	64.4	47.6	36.1	29.6	23.2	20.6	20.6
47.5°	1668.9	1080.4	97.9	73.4	56.7	39.9	30.9	23.2	18.0	15.5	15.5
50°	1823.4	1142.2	86.3	65.7	48.9	33.5	24.5	18.0	12.9	11.6	11.6
52.5°	1978.0	1220.8	79.8	60.5	42.5	27.0	19.3	12.9	9.0	7.7	7.7
55°	2140.2	1290.3	72.1	56.7	34.8	21.9	14.2	7.7	5.2	3.9	3.9
57.5°	2253.5	1317.4	63.1	48.9	27.0	16.7	10.3	5.2	2.6	1.3	1.3
60°	2334.7	1321.2	54.1	39.9	20.6	12.9	6.4	2.6	1.3	0.0	0.0
62.5°	2402.9	1328.9	46.4	30.9	15.5	9.0	3.9	1.3	0.0	0.0	0.0
65°	2538.1	1322.5	37.3	24.5	10.3	5.2	2.6	0.0	0.0	0.0	0.0
67.5°	2645.0	1258.1	29.6	16.7	6.4	2.6	1.3	0.0	0.0	0.0	0.0
70°	2339.8	959.4	23.2	11.6	3.9	1.3	0.0	0.0	0.0	0.0	0.0
72.5°	1837.6	640.0	15.5	6.4	2.6	1.3	0.0	0.0	0.0	0.0	0.0
75°	1205.3	318.1	11.6	3.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	468.7	83.7	7.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	113.3	28.3	3.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	48.9	10.3	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	29.6	5.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.5	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)