

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: P673968

Luminaire Tested: **CCP-SA-2C-730-U-SL4-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673968  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2C-730-U-SL4-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ SL4 distribution lens and House Side Shield  
Light Source: (32) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

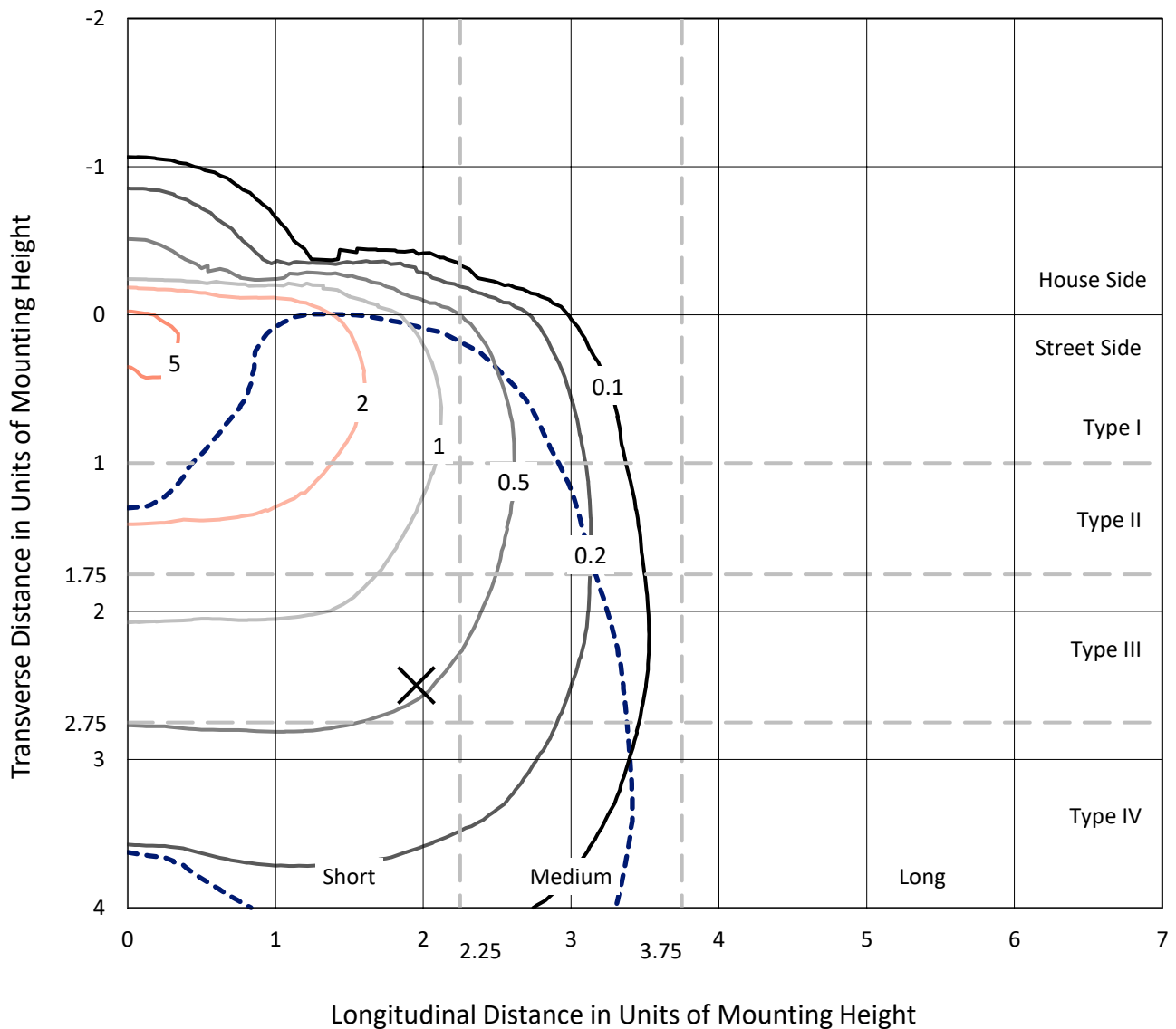
Lumens per Lamp: N/A  
Luminaire Lumens: 6800.9 lumens  
Efficiency: N/A  
Efficacy: 109.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1  
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

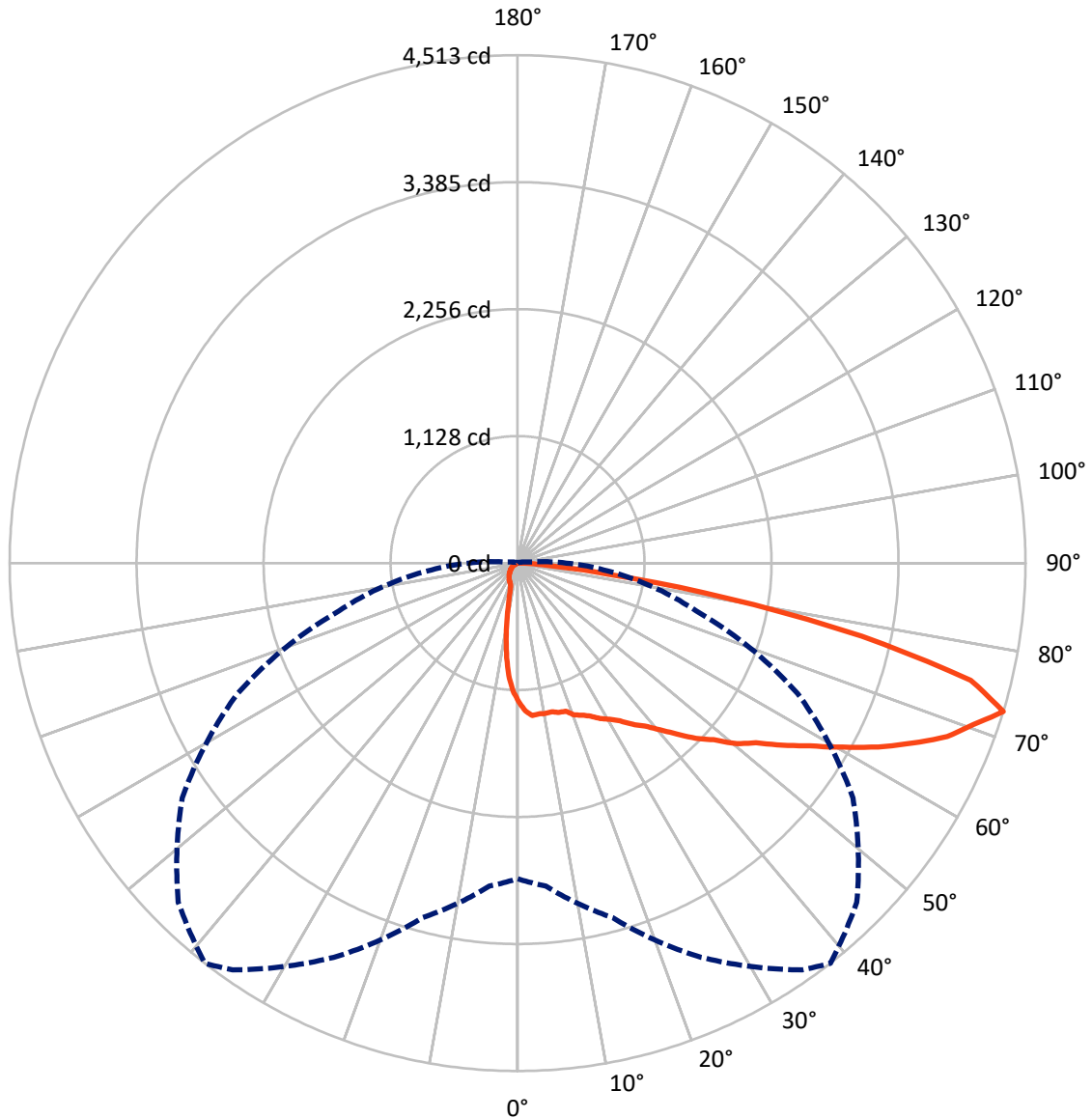
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.9 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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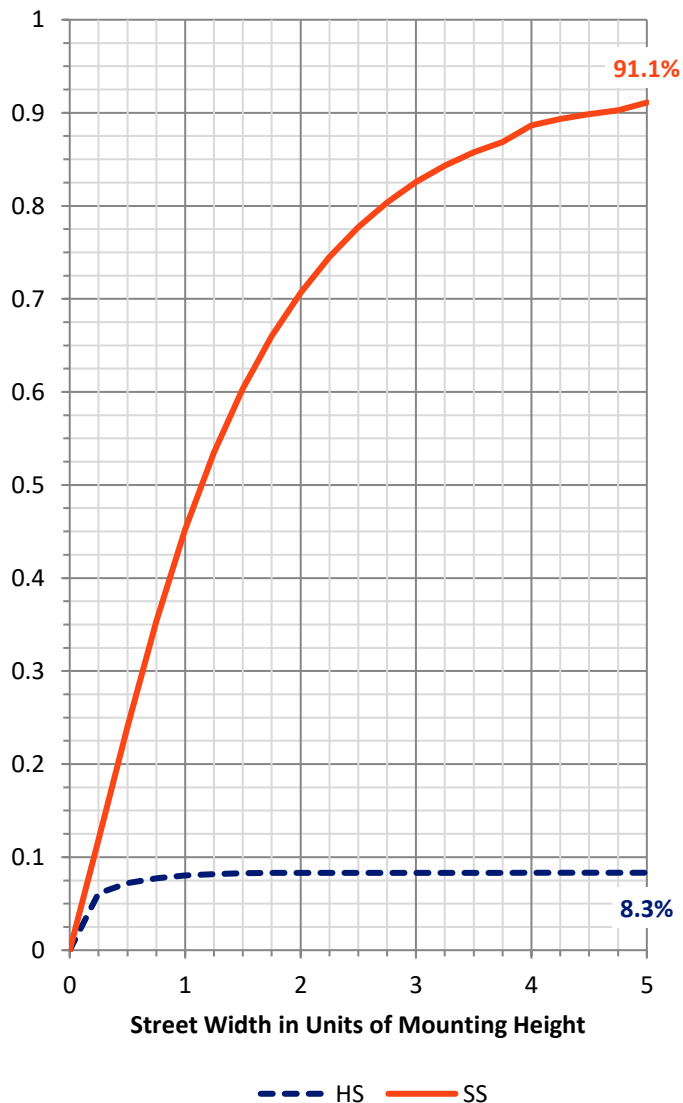
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	569.6	0.0	569.6
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	6231.3	0.0	6231.3
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	6800.9	0.0	6800.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	107.6	1.6
10°-20°	263.6	3.9
20°-30°	422.5	6.2
30°-40°	637.9	9.4
40°-50°	970.9	14.3
50°-60°	1366.9	20.1
60°-70°	1669.7	24.6
70°-80°	1212.4	17.8
80°-90°	149.3	2.2
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°	6800.9	100.0
0°-180°	6800.9	100.0



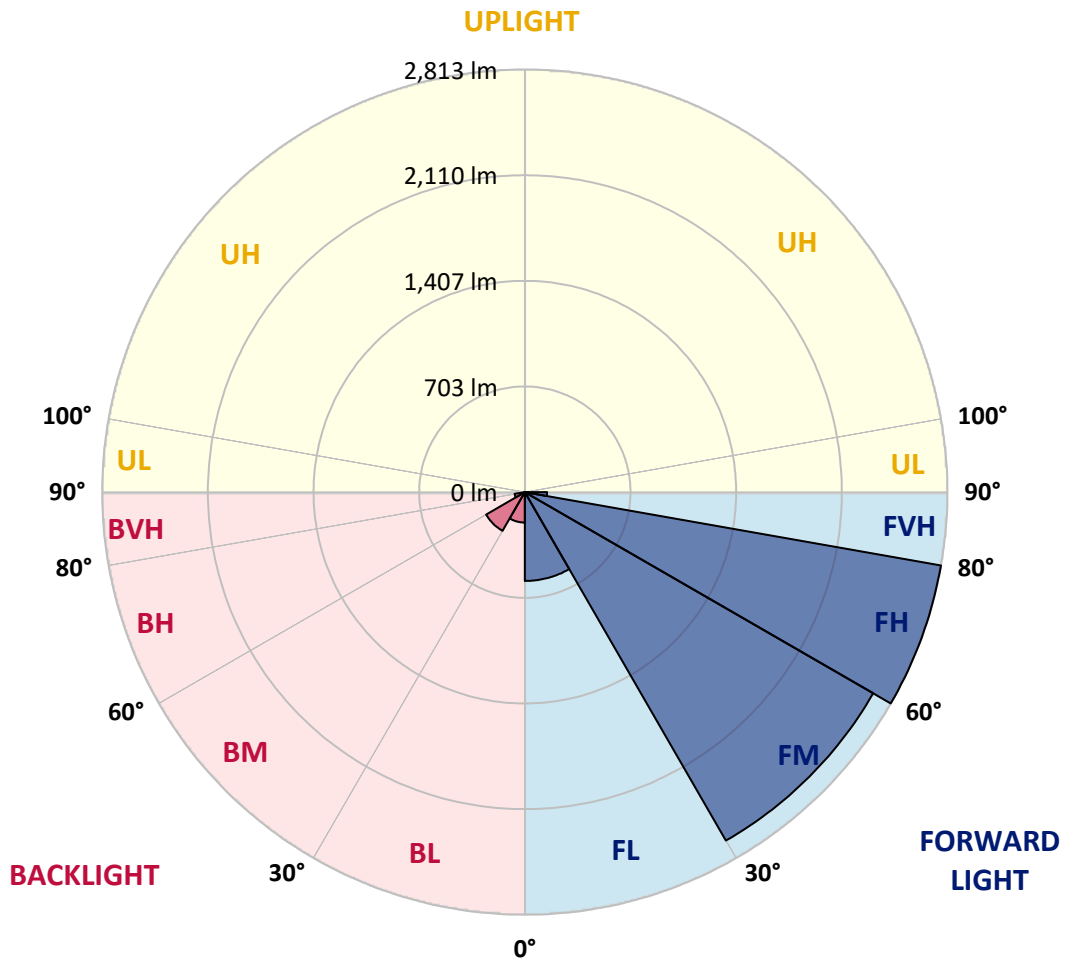
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	591.5	8.7			
FM (30°-60°)	2678.2	39.4			
FH (60°-80°)	2813.0	41.4			G2/5000
FVH (80°-90°)	148.5	2.2			G2/225
BL (0°-30°)	202.2	3.0	B1/500		
BM (30°-60°)	297.5	4.4	B1/1000		
BH (60°-80°)	69.1	1.0	B0/110		G0/110
BVH (80°-90°)	0.8	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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	1229.9	1229.9	1229.9	1229.9	1229.9	1229.9	1229.9	1229.9	1229.9	1229.9	1229.9
2.5°	1351.1	1351.1	1363.9	1351.1	1346.3	1316.0	1317.6	1301.6	1285.7	1263.4	1242.6
5°	1367.0	1378.2	1386.2	1375.0	1357.5	1360.7	1371.8	1341.5	1298.5	1271.3	1225.1
7.5°	1360.7	1384.6	1378.2	1371.8	1360.7	1352.7	1336.7	1324.0	1303.2	1277.7	1223.5
10°	1355.9	1363.9	1365.4	1360.7	1336.7	1359.1	1341.5	1320.8	1295.3	1265.0	1198.0
12.5°	1338.3	1338.3	1352.7	1341.5	1344.7	1355.9	1347.9	1343.1	1316.0	1290.5	1231.5
15°	1319.2	1325.6	1347.9	1365.4	1381.4	1376.6	1371.8	1357.5	1333.5	1304.8	1242.6
17.5°	1324.0	1327.2	1362.3	1394.2	1386.2	1383.0	1408.5	1378.2	1354.3	1322.4	1252.2
20°	1341.5	1351.1	1391.0	1432.4	1440.4	1440.4	1430.8	1413.3	1379.8	1336.7	1269.7
22.5°	1359.1	1362.3	1427.7	1480.3	1488.3	1467.5	1475.5	1424.5	1392.6	1368.6	1287.3
25°	1426.1	1419.7	1489.9	1531.3	1526.6	1505.8	1497.8	1453.2	1440.4	1397.3	1325.6
27.5°	1517.0	1489.9	1558.5	1584.0	1558.5	1564.8	1542.5	1494.7	1467.5	1442.0	1343.1
30°	1572.8	1588.8	1625.5	1651.0	1607.9	1609.5	1598.3	1545.7	1504.2	1510.6	1402.1
32.5°	1659.0	1670.1	1697.2	1708.4	1674.9	1671.7	1660.5	1619.1	1588.8	1582.4	1481.9
35°	1751.5	1772.2	1773.8	1777.0	1746.7	1759.4	1743.5	1684.5	1700.4	1711.6	1577.6
37.5°	1842.4	1823.3	1855.2	1869.5	1836.0	1836.0	1840.8	1800.9	1829.6	1863.1	1713.2
40°	1877.5	1885.5	1941.3	1930.1	1970.0	1946.1	1963.6	1954.1	1978.0	2054.6	1904.6
42.5°	1914.2	1923.7	1998.7	2019.5	2067.3	2075.3	2100.8	2102.4	2172.6	2298.6	2088.0
45°	1984.4	1968.4	2070.5	2121.5	2199.7	2222.0	2252.3	2277.9	2387.9	2536.3	2297.0
47.5°	2048.2	2025.8	2142.3	2244.4	2340.1	2344.9	2427.8	2454.9	2585.7	2754.8	2504.4
50°	2137.5	2145.5	2194.9	2370.4	2467.7	2523.5	2580.9	2670.3	2815.4	2995.7	2654.3
52.5°	2230.0	2222.0	2305.0	2477.3	2630.4	2651.1	2780.3	2880.8	3038.8	3174.3	2721.3
55°	2343.3	2352.8	2384.7	2611.3	2805.9	2855.3	3000.5	3105.8	3278.0	3250.9	2743.7
57.5°	2456.5	2447.0	2518.7	2761.2	3026.0	3062.7	3255.7	3317.9	3434.4	3302.0	2687.8
60°	2568.2	2585.7	2616.0	2930.3	3266.9	3321.1	3474.2	3506.1	3531.7	3325.9	2644.8
62.5°	2695.8	2654.3	2748.4	3108.9	3483.8	3597.1	3718.3	3592.3	3569.9	3282.8	2545.9
65°	2759.6	2772.4	2895.2	3313.1	3772.5	3855.5	3871.4	3708.7	3593.9	3187.1	2453.3
67.5°	2858.5	2876.1	3032.4	3522.1	4069.2	4115.5	4058.1	3814.0	3573.1	3062.7	2120.0
70°	2871.3	2914.3	3215.8	3740.6	4255.9	4295.7	4251.1	3884.2	3405.6	2573.0	1569.6
72.5°	2804.3	2880.8	3260.5	3865.0	4412.2	4512.7	4262.2	3636.9	2745.3	1641.4	804.0
75°	2118.4	2182.2	2984.5	3680.0	4134.6	4158.6	3742.2	2775.6	1563.2	559.9	205.8
77.5°	1097.5	1207.5	1992.3	2812.2	3150.4	3124.9	2604.9	1635.0	537.6	146.8	82.9
80°	630.1	657.2	871.0	1579.2	1981.2	1883.9	1440.4	705.1	236.1	73.4	54.2
82.5°	311.1	349.3	469.0	706.7	990.6	815.1	540.8	422.7	132.4	39.9	47.9
85°	67.0	70.2	239.3	338.2	402.0	264.8	185.0	355.7	47.9	23.9	46.3
87.5°	47.9	46.3	67.0	151.5	111.7	68.6	110.1	186.6	11.2	11.2	9.6
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°	1229.9	1229.9	1229.9	1229.9	1229.9	1229.9	1229.9	1229.9	1229.9	1229.9	1229.9
2.5°	1229.9	1215.5	1199.6	1169.2	1161.3	1156.5	1129.4	1127.8	1123.0	1111.8	1107.0
5°	1196.4	1172.4	1142.1	1110.2	1084.7	1038.4	982.6	953.9	918.8	920.4	909.2
7.5°	1191.6	1146.9	1103.8	1036.8	955.5	869.4	783.2	727.4	687.5	663.6	668.4
10°	1169.2	1135.7	1065.6	941.1	810.3	679.5	569.5	486.5	438.7	402.0	413.1
12.5°	1178.8	1113.4	1014.5	848.6	662.0	500.9	363.7	283.9	248.8	236.1	239.3
15°	1172.4	1113.4	984.2	748.1	520.0	339.8	236.1	210.6	204.2	204.2	201.0
17.5°	1191.6	1126.2	933.2	649.2	373.3	226.5	202.6	197.8	193.0	193.0	193.0
20°	1218.7	1132.6	898.1	539.2	263.2	199.4	189.8	186.6	185.0	185.0	183.4
22.5°	1220.3	1126.2	832.7	417.9	202.6	188.2	180.3	178.7	178.7	175.5	175.5
25°	1229.9	1132.6	762.5	314.2	188.2	177.1	170.7	169.1	170.7	169.1	167.5
27.5°	1253.8	1143.7	692.3	229.7	177.1	167.5	162.7	161.1	161.1	161.1	157.9
30°	1284.1	1143.7	614.1	189.8	167.5	157.9	153.1	151.5	149.9	149.9	149.9
32.5°	1347.9	1180.4	518.4	169.1	154.7	146.8	142.0	142.0	140.4	140.4	138.8
35°	1427.7	1205.9	421.1	156.3	143.6	135.6	130.8	130.8	129.2	129.2	127.6
37.5°	1526.6	1269.7	322.2	146.8	132.4	124.4	119.6	119.6	119.6	118.0	118.0
40°	1666.9	1335.1	239.3	134.0	121.2	113.3	110.1	108.5	106.9	106.9	103.7
42.5°	1816.9	1435.6	178.7	124.4	111.7	105.3	100.5	95.7	95.7	90.9	90.9
45°	1979.6	1523.4	145.2	113.3	102.1	94.1	89.3	86.1	81.4	78.2	78.2
47.5°	2139.1	1577.6	127.6	100.5	92.5	86.1	81.4	75.0	68.6	67.0	65.4
50°	2268.3	1593.6	113.3	90.9	84.5	78.2	71.8	63.8	57.4	54.2	52.6
52.5°	2268.3	1505.8	102.1	81.4	76.6	70.2	62.2	52.6	44.7	41.5	39.9
55°	2268.3	1367.0	90.9	75.0	68.6	63.8	52.6	43.1	35.1	30.3	28.7
57.5°	2234.8	1199.6	81.4	67.0	60.6	54.2	44.7	33.5	25.5	20.7	20.7
60°	2142.3	1024.1	70.2	59.0	52.6	44.7	35.1	23.9	16.0	11.2	11.2
62.5°	2024.2	815.1	60.6	49.4	43.1	36.7	27.1	16.0	6.4	3.2	3.2
65°	1818.5	601.4	52.6	41.5	33.5	27.1	17.5	6.4	0.0	0.0	0.0
67.5°	1501.0	402.0	41.5	33.5	28.7	19.1	11.2	1.6	0.0	0.0	0.0
70°	1056.0	228.1	31.9	23.9	20.7	12.8	3.2	0.0	0.0	0.0	0.0
72.5°	433.9	100.5	22.3	17.5	14.4	6.4	0.0	0.0	0.0	0.0	0.0
75°	118.0	44.7	14.4	9.6	8.0	1.6	0.0	0.0	0.0	0.0	0.0
77.5°	68.6	30.3	6.4	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
80°	54.2	14.4	3.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	54.2	8.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	46.3	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.4	0.0	0.0	0.0	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)