

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: P676450

Luminaire Tested: **CCW-SA-2E-760-U-T3-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676450  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2E-760-U-T3-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/  
T3 distribution lens and House Side Shield  
Light Source: (32) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

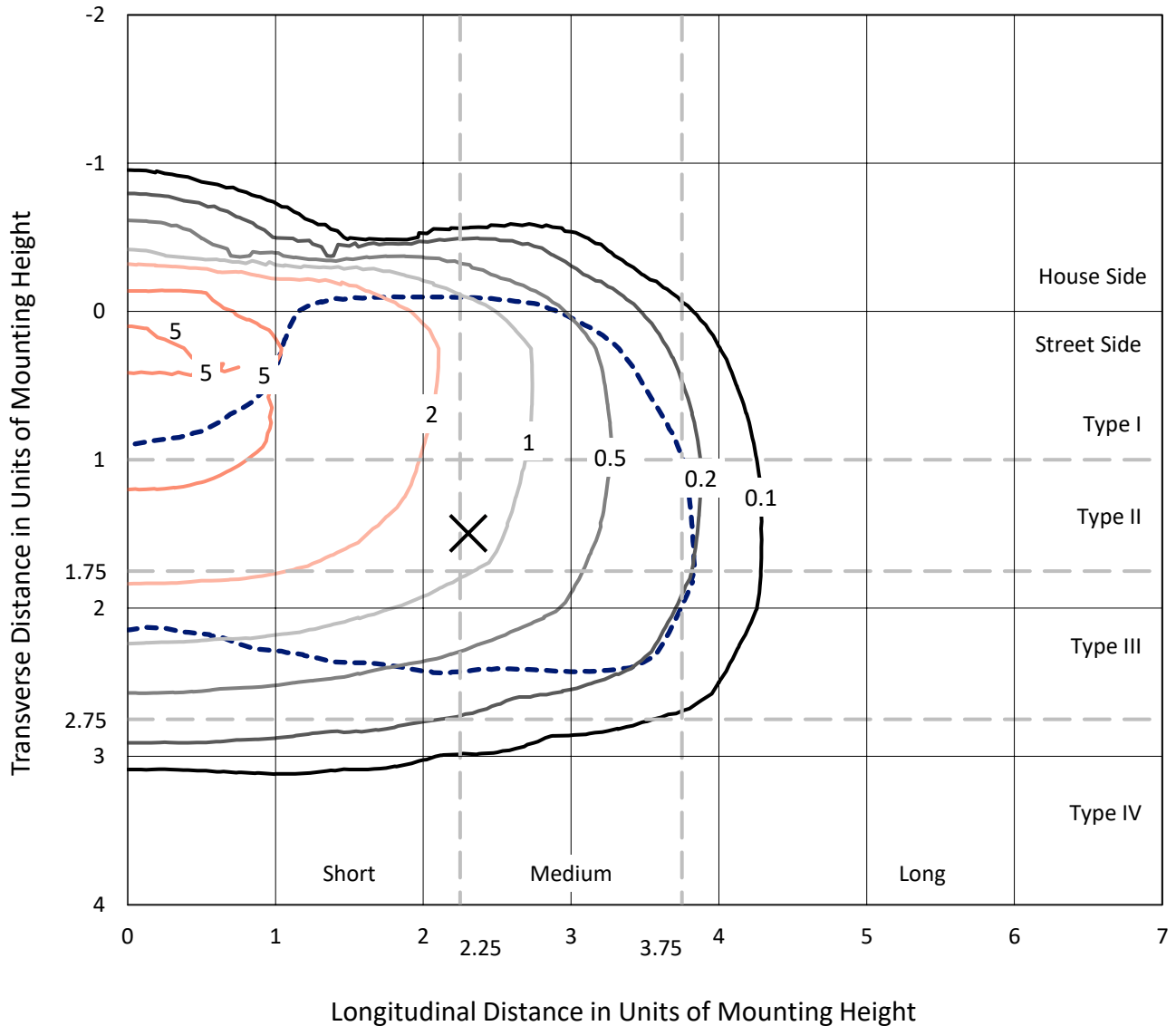
Lumens per Lamp: N/A  
Luminaire Lumens: 10075.8 lumens  
Efficiency: N/A  
Efficacy: 94.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 106.6  
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

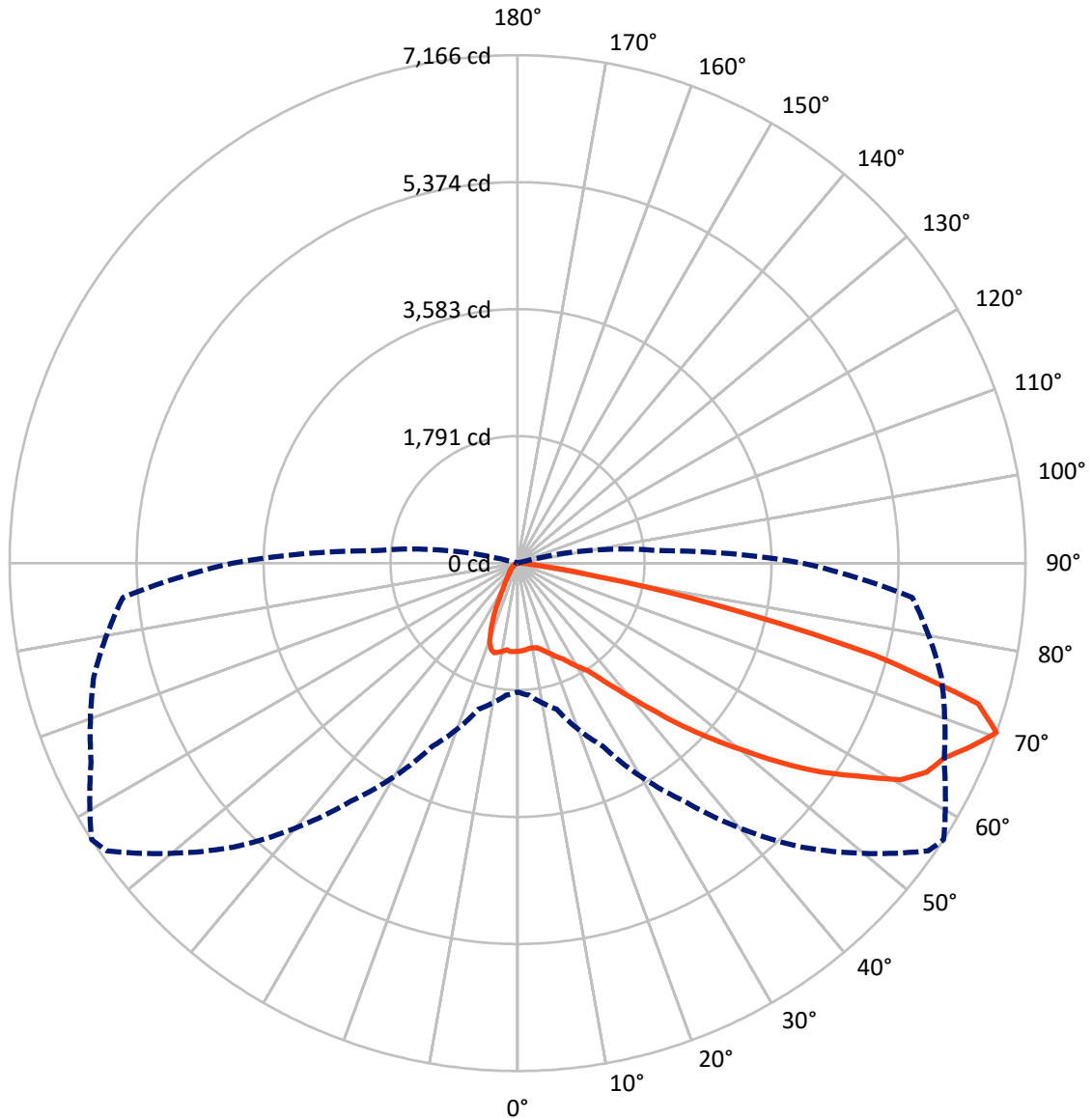
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 7.1 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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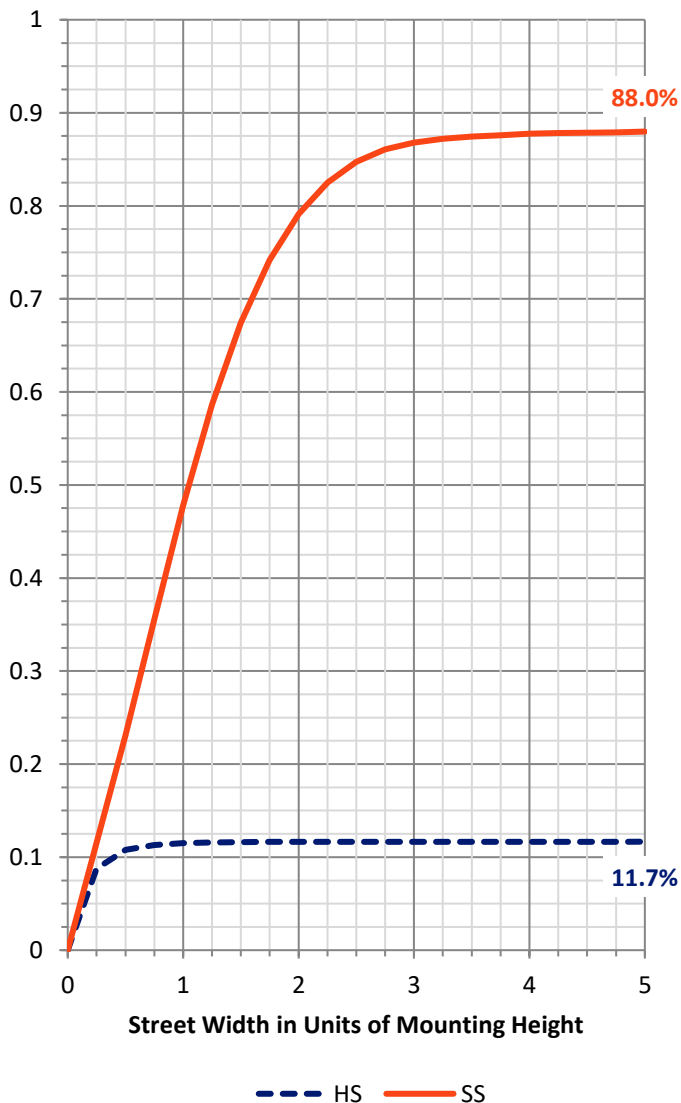
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1187.7	0.0	1187.7
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	8888.1	0.0	8888.1
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	10075.8	0.0	10075.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	116.2	1.2
10°-20°	324.8	3.2
20°-30°	547.1	5.4
30°-40°	936.4	9.3
40°-50°	1572.4	15.6
50°-60°	2413.5	24.0
60°-70°	2786.6	27.7
70°-80°	1316.3	13.1
80°-90°	62.5	0.6
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°	10075.8	100.0
0°-180°	10075.8	100.0



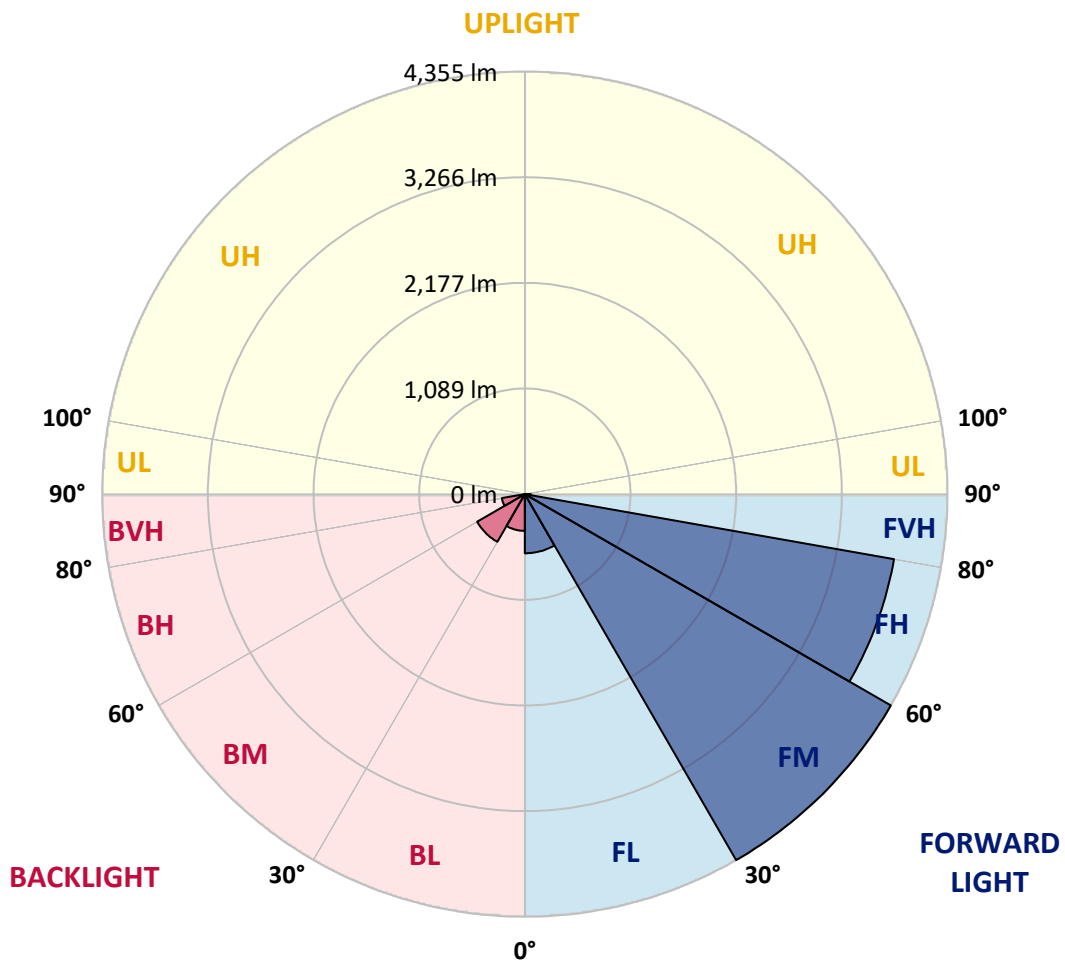
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	609.6	6.0			
FM (30°-60°)	4354.6	43.2			
FH (60°-80°)	3862.6	38.3			G2/5000
FVH (80°-90°)	61.3	0.6			G1/100
BL (0°-30°)	378.6	3.8	B1/500		
BM (30°-60°)	567.7	5.6	B1/1000		
BH (60°-80°)	240.2	2.4	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°	57°	65°	75°	85°
0°	1243.2	1243.2	1243.2	1243.2	1243.2	1243.2	1243.2	1243.2	1243.2	1243.2	1243.2
2.5°	1225.2	1217.5	1225.2	1235.5	1225.2	1232.9	1230.4	1238.1	1227.8	1227.8	1235.5
5°	1145.4	1158.3	1163.4	1176.3	1189.2	1212.3	1227.8	1227.8	1243.2	1250.9	1261.2
7.5°	1117.1	1096.5	1117.1	1127.4	1140.3	1178.9	1202.0	1212.3	1232.9	1261.2	1276.7
10°	1075.9	1091.4	1091.4	1124.8	1142.8	1166.0	1207.2	1214.9	1261.2	1289.6	1305.0
12.5°	1073.3	1073.3	1086.2	1109.4	1145.4	1189.2	1240.6	1225.2	1274.1	1325.6	1351.3
15°	1081.1	1099.1	1099.1	1130.0	1158.3	1220.1	1263.8	1266.4	1335.9	1387.4	1410.5
17.5°	1114.5	1106.8	1117.1	1135.1	1178.9	1238.1	1310.1	1317.9	1397.7	1467.2	1500.6
20°	1184.0	1196.9	1181.4	1171.2	1189.2	1266.4	1359.1	1374.5	1464.6	1531.5	1565.0
22.5°	1444.0	1433.7	1371.9	1299.8	1269.0	1305.0	1405.4	1441.4	1546.9	1626.7	1655.1
25°	1737.4	1719.4	1647.3	1539.2	1397.7	1382.2	1498.0	1498.0	1649.9	1737.4	1729.7
27.5°	2015.4	2010.3	1925.3	1812.1	1611.3	1500.6	1572.7	1601.0	1765.7	1837.8	1804.3
30°	2298.5	2303.7	2226.5	2090.1	1879.0	1691.1	1678.2	1701.4	1853.3	1966.5	1897.0
32.5°	2628.0	2581.7	2527.6	2339.7	2146.7	1935.6	1814.6	1804.3	1951.1	2054.0	1961.4
35°	2921.4	2893.1	2833.9	2664.0	2442.7	2190.4	2020.6	1994.8	2074.6	2211.0	2110.6
37.5°	3178.8	3150.5	3073.3	2960.1	2787.6	2507.0	2267.7	2229.0	2262.5	2406.7	2285.7
40°	3400.2	3407.9	3387.3	3276.6	3117.1	2862.2	2586.8	2525.1	2496.7	2625.4	2489.0
42.5°	3559.8	3634.4	3639.6	3503.2	3374.5	3235.5	2926.6	2877.7	2810.8	2918.9	2823.6
45°	3894.4	3853.2	3879.0	3830.1	3688.5	3667.9	3317.8	3289.5	3196.9	3232.9	3132.5
47.5°	4156.9	4149.2	4198.1	4118.3	4079.7	4082.3	3763.1	3714.2	3583.0	3649.9	3536.6
50°	4308.8	4267.6	4445.2	4507.0	4499.3	4530.2	4213.6	4172.4	4046.3	4144.1	3902.1
52.5°	4344.8	4419.5	4586.8	4810.7	4906.0	4970.3	4705.2	4689.8	4553.3	4615.1	4280.5
55°	4434.9	4507.0	4604.8	4972.9	5325.5	5341.0	5189.1	5204.5	5083.6	5068.1	4640.8
57.5°	4432.4	4416.9	4687.2	5114.5	5603.5	5824.9	5742.5	5667.9	5536.6	5384.7	4872.5
60°	4270.2	4262.5	4543.0	5132.5	5755.4	6262.4	6295.9	6208.4	5878.9	5655.0	5145.3
62.5°	3948.5	3979.3	4262.5	4978.0	5899.5	6419.5	6543.0	6483.8	6074.5	5835.2	5467.1
65°	3580.4	3516.0	3845.5	4591.9	5575.2	6373.1	6640.8	6620.2	6306.2	6030.8	5763.1
67.5°	2872.5	2900.9	3153.1	3951.0	5021.8	6203.2	6869.9	6900.8	6491.5	6203.2	5853.2
70°	1819.8	1871.3	2133.8	2854.5	4100.3	5667.9	7075.8	7165.9	6638.2	6187.8	5590.6
72.5°	530.2	550.8	908.6	1423.4	2612.6	4545.6	6746.3	6792.7	6352.5	5616.4	4324.3
75°	175.0	185.3	267.7	463.3	1024.4	2350.0	4983.2	5202.0	5055.3	4072.0	2473.6
77.5°	115.8	121.0	146.7	221.4	388.7	736.2	2671.8	2906.0	2849.4	1907.3	797.9
80°	84.9	87.5	108.1	149.3	236.8	265.1	985.8	1140.3	1101.7	437.6	159.6
82.5°	54.1	54.1	79.8	105.5	149.3	131.3	285.7	316.6	308.9	167.3	61.8
85°	36.0	38.6	59.2	82.4	82.4	61.8	82.4	95.2	103.0	90.1	28.3
87.5°	10.3	12.9	33.5	56.6	33.5	30.9	28.3	30.9	36.0	48.9	15.4
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°	1243.2	1243.2	1243.2	1243.2	1243.2	1243.2	1243.2	1243.2	1243.2	1243.2	1243.2
2.5°	1243.2	1253.5	1250.9	1256.1	1248.4	1240.6	1248.4	1248.4	1248.4	1240.6	1235.5
5°	1253.5	1248.4	1253.5	1243.2	1253.5	1243.2	1238.1	1222.6	1220.1	1220.1	1230.4
7.5°	1269.0	1274.1	1250.9	1250.9	1227.8	1232.9	1220.1	1222.6	1217.5	1209.8	1204.6
10°	1292.1	1312.7	1289.6	1281.8	1256.1	1235.5	1204.6	1189.2	1189.2	1178.9	1189.2
12.5°	1356.5	1348.8	1335.9	1310.1	1279.3	1238.1	1163.4	1088.8	1027.0	980.7	1003.8
15°	1408.0	1405.4	1387.4	1338.5	1297.3	1171.2	983.3	790.2	687.2	640.9	633.2
17.5°	1487.7	1480.0	1449.1	1384.8	1248.4	970.4	674.4	512.2	411.8	388.7	380.9
20°	1562.4	1559.8	1492.9	1410.5	1124.8	707.8	440.1	337.2	308.9	311.4	306.3
22.5°	1642.2	1629.3	1549.5	1379.6	895.7	471.0	314.0	301.2	290.9	288.3	293.4
25°	1732.3	1685.9	1606.2	1310.1	658.9	324.3	296.0	285.7	275.4	272.8	272.8
27.5°	1768.3	1737.4	1631.9	1142.8	417.0	283.1	278.0	265.1	252.2	244.5	242.0
30°	1850.7	1799.2	1657.6	898.3	296.0	260.0	252.2	236.8	218.8	205.9	205.9
32.5°	1933.0	1871.3	1660.2	628.0	247.1	234.2	221.4	200.8	177.6	164.7	167.3
35°	2036.0	1951.1	1631.9	406.7	221.4	205.9	180.2	157.0	136.4	126.1	126.1
37.5°	2211.0	2131.2	1516.1	267.7	200.8	175.0	149.3	123.6	105.5	97.8	97.8
40°	2432.4	2329.4	1356.5	211.1	177.6	149.3	118.4	95.2	84.9	77.2	77.2
42.5°	2697.5	2568.8	1119.7	187.9	157.0	123.6	92.7	74.6	64.3	64.3	61.8
45°	2962.6	2751.6	877.7	172.5	139.0	103.0	72.1	59.2	54.1	51.5	51.5
47.5°	3341.0	2972.9	628.0	157.0	121.0	79.8	59.2	48.9	43.8	41.2	43.8
50°	3703.9	3181.4	445.3	141.6	100.4	64.3	48.9	43.8	38.6	36.0	36.0
52.5°	4023.1	3325.6	311.4	123.6	84.9	54.1	43.8	38.6	36.0	33.5	33.5
55°	4198.1	3276.6	213.6	105.5	69.5	46.3	38.6	33.5	30.9	28.3	28.3
57.5°	4378.3	3140.2	162.2	87.5	56.6	43.8	36.0	30.9	28.3	25.7	25.7
60°	4530.2	3039.8	126.1	69.5	46.3	36.0	30.9	25.7	23.2	20.6	18.0
62.5°	4537.9	2839.1	92.7	51.5	36.0	30.9	25.7	20.6	12.9	10.3	7.7
65°	4568.8	2628.0	66.9	38.6	25.7	23.2	18.0	10.3	5.1	0.0	0.0
67.5°	4460.7	2378.3	54.1	28.3	18.0	12.9	7.7	2.6	0.0	0.0	0.0
70°	4020.5	2007.7	41.2	20.6	12.9	7.7	2.6	0.0	0.0	0.0	0.0
72.5°	2877.7	1305.0	28.3	15.4	5.1	2.6	0.0	0.0	0.0	0.0	0.0
75°	1534.1	556.0	20.6	10.3	2.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	481.3	141.6	12.9	5.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	105.5	38.6	7.7	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	36.0	15.4	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	12.9	5.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.1	2.6	2.6	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)