

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: P676483

Luminaire Tested: **CCW-SA-2E-835-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676483
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2E-835-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) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

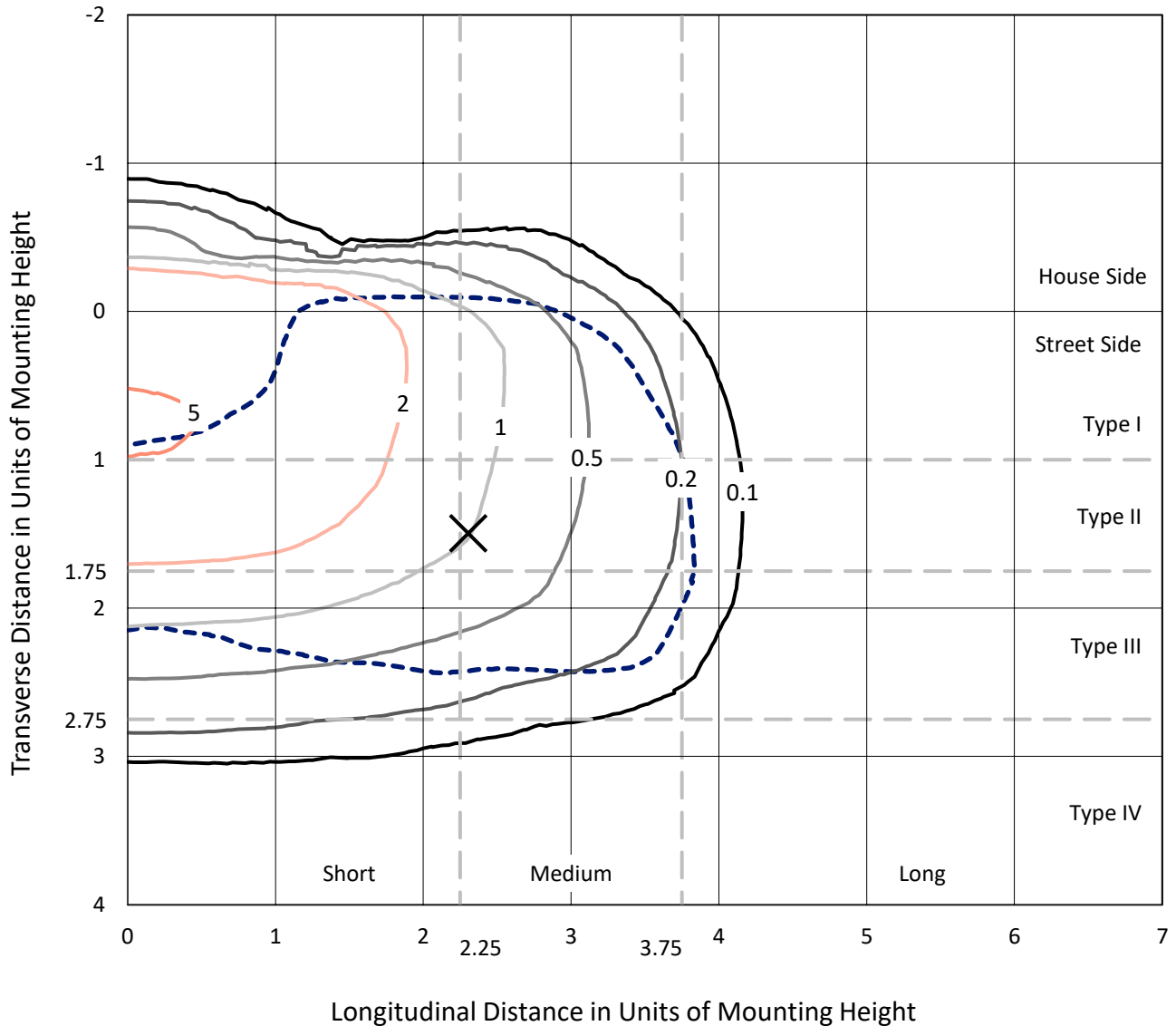
Lumens per Lamp: N/A
Luminaire Lumens: 8116.6 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

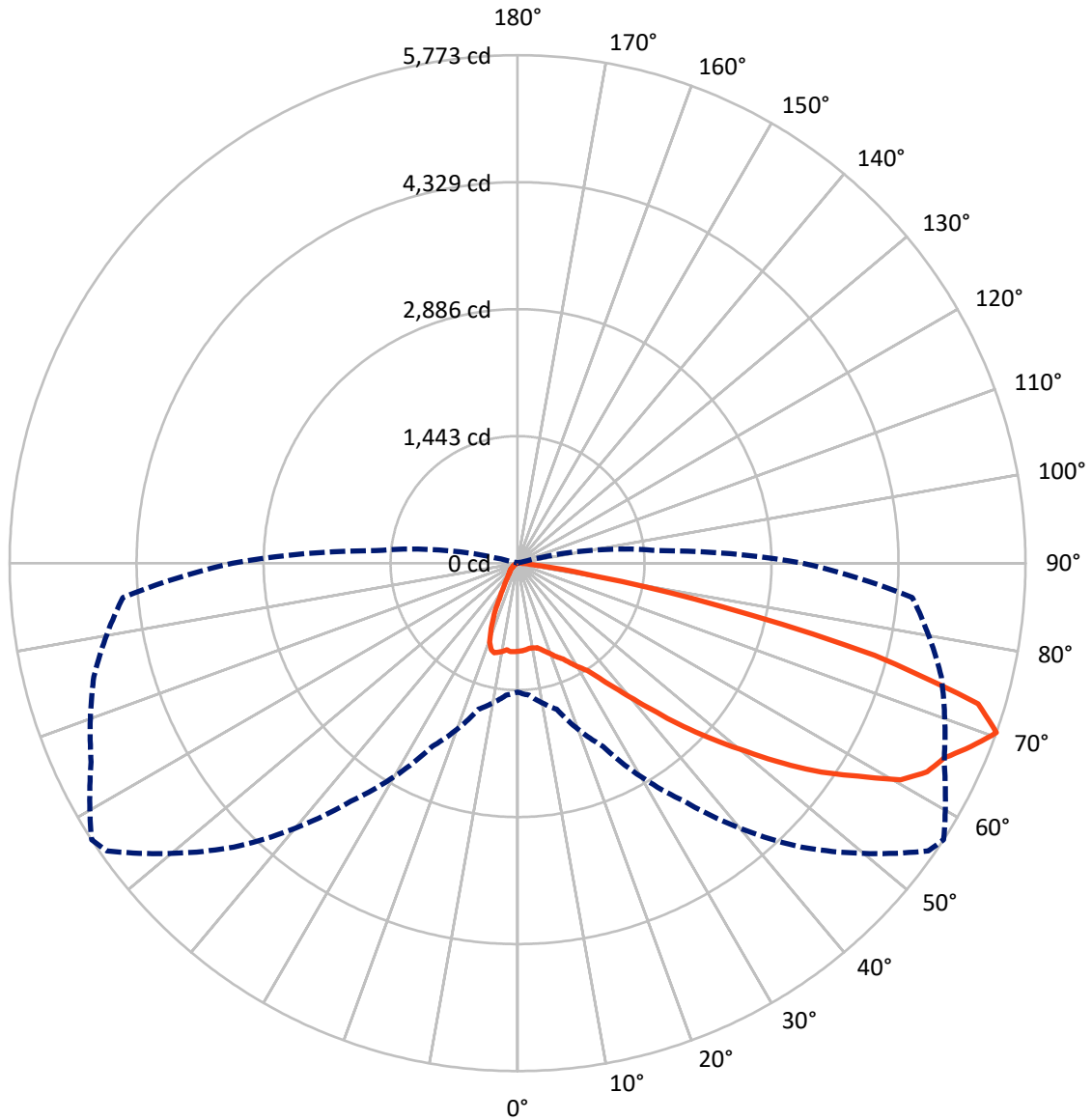
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.7 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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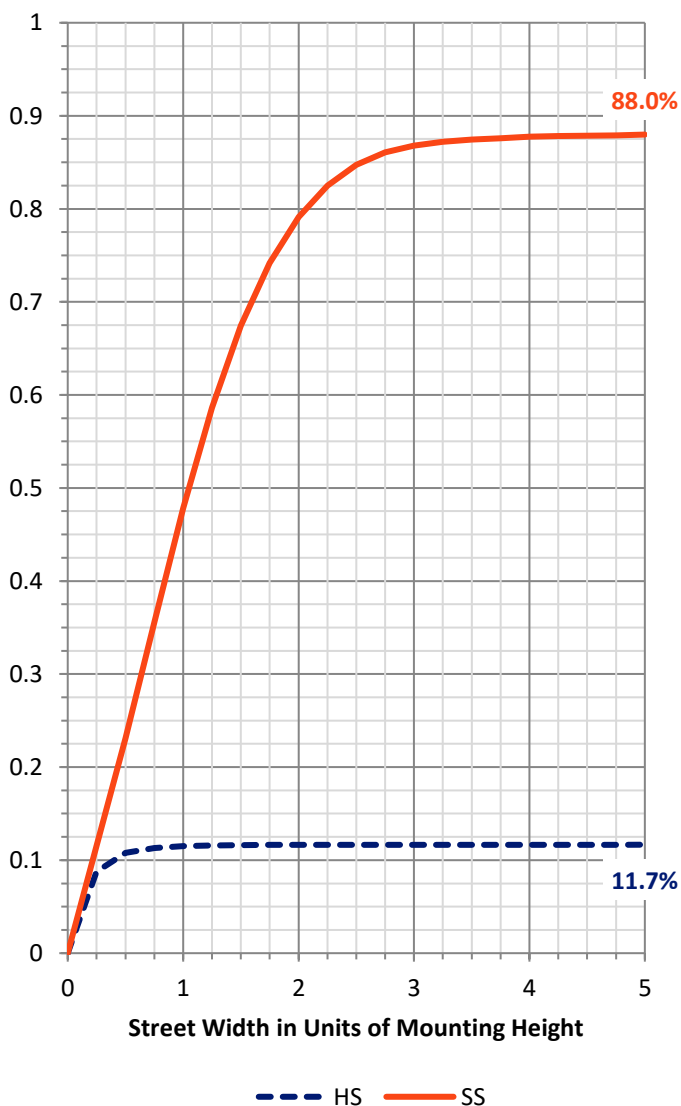
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	956.7	0.0	956.7
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	7159.9	0.0	7159.9
	% Fixture	88.2	0.0	88.2
Total	Lumens	8116.6	0.0	8116.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.6	1.2
10°-20°	261.7	3.2
20°-30°	440.8	5.4
30°-40°	754.3	9.3
40°-50°	1266.6	15.6
50°-60°	1944.2	24.0
60°-70°	2244.7	27.7
70°-80°	1060.3	13.1
80°-90°	50.3	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°	8116.6	100.0
0°-180°	8116.6	100.0



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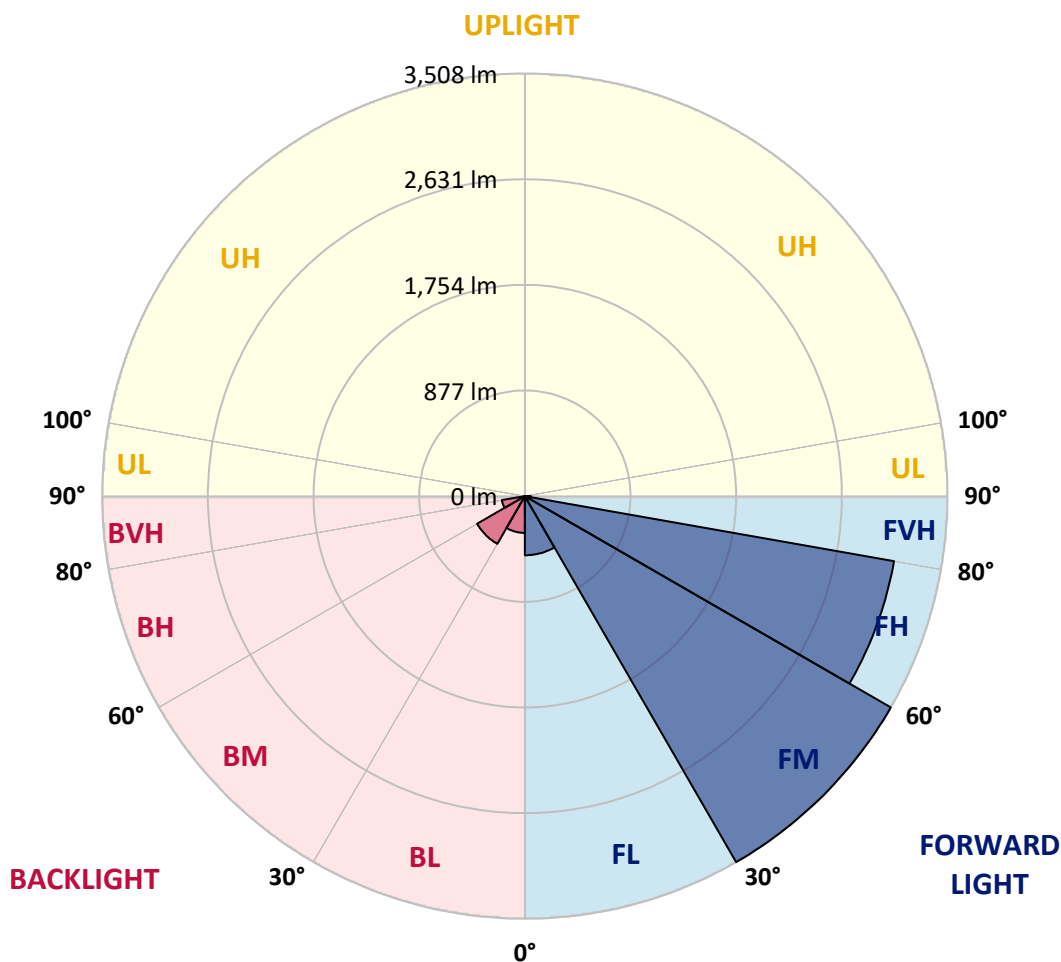
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	491.0	6.0			
FM (30°-60°)	3507.9	43.2			
FH (60°-80°)	3111.6	38.3			G2/5000
FVH (80°-90°)	49.4	0.6			G1/100
BL (0°-30°)	305.0	3.8	B1/500		
BM (30°-60°)	457.3	5.6	B1/1000		
BH (60°-80°)	193.5	2.4	B1/500		G1/500
BVH (80°-90°)	0.9	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°	1001.5	1001.5	1001.5	1001.5	1001.5	1001.5	1001.5	1001.5	1001.5	1001.5	1001.5
2.5°	987.0	980.7	987.0	995.3	987.0	993.2	991.1	997.3	989.0	989.0	995.3
5°	922.7	933.1	937.2	947.6	957.9	976.6	989.0	989.0	1001.5	1007.7	1016.0
7.5°	899.9	883.3	899.9	908.2	918.5	949.6	968.3	976.6	993.2	1016.0	1028.4
10°	866.7	879.1	879.1	906.1	920.6	939.3	972.5	978.7	1016.0	1038.8	1051.2
12.5°	864.6	864.6	875.0	893.7	922.7	957.9	999.4	987.0	1026.4	1067.8	1088.6
15°	870.9	885.4	885.4	910.2	933.1	982.8	1018.1	1020.1	1076.1	1117.6	1136.3
17.5°	897.8	891.6	899.9	914.4	949.6	997.3	1055.4	1061.6	1125.9	1181.9	1208.8
20°	953.8	964.2	951.7	943.4	957.9	1020.1	1094.8	1107.2	1179.8	1233.7	1260.7
22.5°	1163.2	1154.9	1105.2	1047.1	1022.2	1051.2	1132.1	1161.1	1246.1	1310.4	1333.2
25°	1399.6	1385.1	1327.0	1239.9	1125.9	1113.4	1206.8	1206.8	1329.1	1399.6	1393.4
27.5°	1623.5	1619.4	1550.9	1459.7	1298.0	1208.8	1266.9	1289.7	1422.4	1480.5	1453.5
30°	1851.6	1855.7	1793.5	1683.6	1513.6	1362.3	1351.9	1370.6	1492.9	1584.1	1528.1
32.5°	2117.0	2079.7	2036.1	1884.8	1729.3	1559.2	1461.8	1453.5	1571.7	1654.6	1580.0
35°	2353.4	2330.6	2282.9	2146.0	1967.7	1764.5	1627.7	1606.9	1671.2	1781.1	1700.2
37.5°	2560.7	2537.9	2475.7	2384.5	2245.6	2019.5	1826.7	1795.6	1822.6	1938.7	1841.2
40°	2739.0	2745.3	2728.7	2639.5	2511.0	2305.7	2083.8	2034.1	2011.3	2114.9	2005.0
42.5°	2867.6	2927.7	2931.9	2822.0	2718.3	2606.3	2357.5	2318.1	2264.2	2351.3	2274.6
45°	3137.1	3104.0	3124.7	3085.3	2971.3	2954.7	2672.7	2649.9	2575.2	2604.3	2523.4
47.5°	3348.6	3342.4	3381.8	3317.5	3286.4	3288.5	3031.4	2992.0	2886.3	2940.2	2848.9
50°	3471.0	3437.8	3580.9	3630.6	3624.4	3649.3	3394.3	3361.1	3259.5	3338.3	3143.4
52.5°	3500.0	3560.1	3694.9	3875.3	3952.0	4003.9	3790.3	3777.8	3668.0	3717.7	3448.2
55°	3572.6	3630.6	3709.4	4005.9	4290.0	4302.4	4180.1	4192.5	4095.1	4082.6	3738.4
57.5°	3570.5	3558.1	3775.8	4120.0	4513.9	4692.2	4625.9	4565.8	4460.0	4337.7	3925.1
60°	3439.9	3433.6	3659.7	4134.5	4636.3	5044.7	5071.7	5001.2	4735.8	4555.4	4144.8
62.5°	3180.7	3205.6	3433.6	4010.1	4752.4	5171.2	5270.7	5223.0	4893.4	4700.5	4404.0
65°	2884.2	2832.3	3097.7	3699.1	4491.1	5133.9	5349.5	5332.9	5080.0	4858.1	4642.5
67.5°	2314.0	2336.8	2540.0	3182.8	4045.3	4997.0	5534.1	5558.9	5229.3	4997.0	4715.0
70°	1465.9	1507.4	1718.9	2299.5	3303.0	4565.8	5699.9	5772.5	5347.5	4984.6	4503.6
72.5°	427.1	443.7	731.9	1146.6	2104.6	3661.7	5434.5	5471.9	5117.3	4524.3	3483.4
75°	141.0	149.3	215.6	373.2	825.2	1893.1	4014.2	4190.5	4072.3	3280.2	1992.6
77.5°	93.3	97.5	118.2	178.3	313.1	593.0	2152.3	2340.9	2295.3	1536.4	642.8
80°	68.4	70.5	87.1	120.3	190.8	213.6	794.1	918.5	887.4	352.5	128.6
82.5°	43.5	43.5	64.3	85.0	120.3	105.7	230.2	255.0	248.8	134.8	49.8
85°	29.0	31.1	47.7	66.4	66.4	49.8	66.4	76.7	82.9	72.6	22.8
87.5°	8.3	10.4	27.0	45.6	27.0	24.9	22.8	24.9	29.0	39.4	12.4
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°	1001.5	1001.5	1001.5	1001.5	1001.5	1001.5	1001.5	1001.5	1001.5	1001.5	1001.5
2.5°	1001.5	1009.8	1007.7	1011.8	1005.6	999.4	1005.6	1005.6	1005.6	999.4	995.3
5°	1009.8	1005.6	1009.8	1001.5	1009.8	1001.5	997.3	984.9	982.8	982.8	991.1
7.5°	1022.2	1026.4	1007.7	1007.7	989.0	993.2	982.8	984.9	980.7	974.5	970.4
10°	1040.9	1057.5	1038.8	1032.6	1011.8	995.3	970.4	957.9	957.9	949.6	957.9
12.5°	1092.7	1086.5	1076.1	1055.4	1030.5	997.3	937.2	877.1	827.3	790.0	808.6
15°	1134.2	1132.1	1117.6	1078.2	1045.0	943.4	792.1	636.6	553.6	516.3	510.1
17.5°	1198.5	1192.2	1167.4	1115.5	1005.6	781.7	543.2	412.6	331.8	313.1	306.9
20°	1258.6	1256.5	1202.6	1136.3	906.1	570.2	354.6	271.6	248.8	250.9	246.7
22.5°	1322.9	1312.5	1248.2	1111.4	721.6	379.4	253.0	242.6	234.3	232.2	236.4
25°	1395.4	1358.1	1293.8	1055.4	530.8	261.3	238.4	230.2	221.9	219.8	219.8
27.5°	1424.5	1399.6	1314.6	920.6	335.9	228.1	223.9	213.6	203.2	197.0	194.9
30°	1490.8	1449.3	1335.3	723.6	238.4	209.4	203.2	190.8	176.2	165.9	165.9
32.5°	1557.2	1507.4	1337.4	505.9	199.1	188.7	178.3	161.7	143.1	132.7	134.8
35°	1640.1	1571.7	1314.6	327.6	178.3	165.9	145.1	126.5	109.9	101.6	101.6
37.5°	1781.1	1716.8	1221.3	215.6	161.7	141.0	120.3	99.5	85.0	78.8	78.8
40°	1959.4	1876.5	1092.7	170.0	143.1	120.3	95.4	76.7	68.4	62.2	62.2
42.5°	2173.0	2069.3	902.0	151.4	126.5	99.5	74.6	60.1	51.8	51.8	49.8
45°	2386.6	2216.5	707.0	138.9	112.0	82.9	58.1	47.7	43.5	41.5	41.5
47.5°	2691.4	2394.8	505.9	126.5	97.5	64.3	47.7	39.4	35.2	33.2	35.2
50°	2983.7	2562.8	358.7	114.0	80.9	51.8	39.4	35.2	31.1	29.0	29.0
52.5°	3240.8	2678.9	250.9	99.5	68.4	43.5	35.2	31.1	29.0	27.0	27.0
55°	3381.8	2639.5	172.1	85.0	56.0	37.3	31.1	27.0	24.9	22.8	22.8
57.5°	3527.0	2529.6	130.6	70.5	45.6	35.2	29.0	24.9	22.8	20.7	20.7
60°	3649.3	2448.8	101.6	56.0	37.3	29.0	24.9	20.7	18.7	16.6	14.5
62.5°	3655.5	2287.0	74.6	41.5	29.0	24.9	20.7	16.6	10.4	8.3	6.2
65°	3680.4	2117.0	53.9	31.1	20.7	18.7	14.5	8.3	4.1	0.0	0.0
67.5°	3593.3	1915.9	43.5	22.8	14.5	10.4	6.2	2.1	0.0	0.0	0.0
70°	3238.7	1617.3	33.2	16.6	10.4	6.2	2.1	0.0	0.0	0.0	0.0
72.5°	2318.1	1051.2	22.8	12.4	4.1	2.1	0.0	0.0	0.0	0.0	0.0
75°	1235.8	447.9	16.6	8.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	387.7	114.0	10.4	4.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
80°	85.0	31.1	6.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	29.0	12.4	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.4	4.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.1	2.1	2.1	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)