

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: P673305

Luminaire Tested: **CCP-SA-2E-827-U-T3-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673305  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-2E-827-U-T3-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T3 distribution lens and House Side Shield  
Light Source: (32) 2700K CCT, 80 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

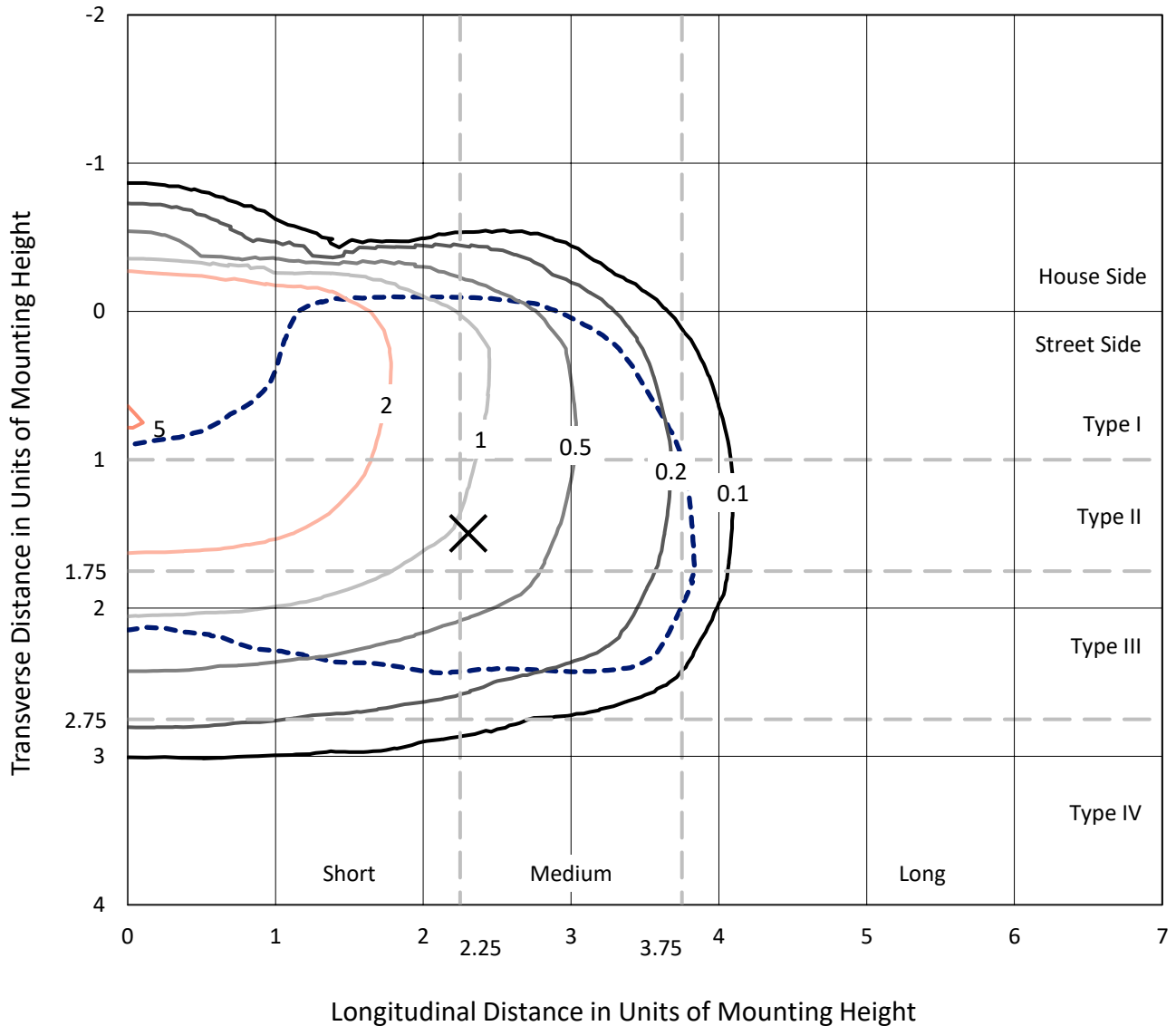
Lumens per Lamp: N/A  
Luminaire Lumens: 7240.9 lumens  
Efficiency: N/A  
Efficacy: 67.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

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

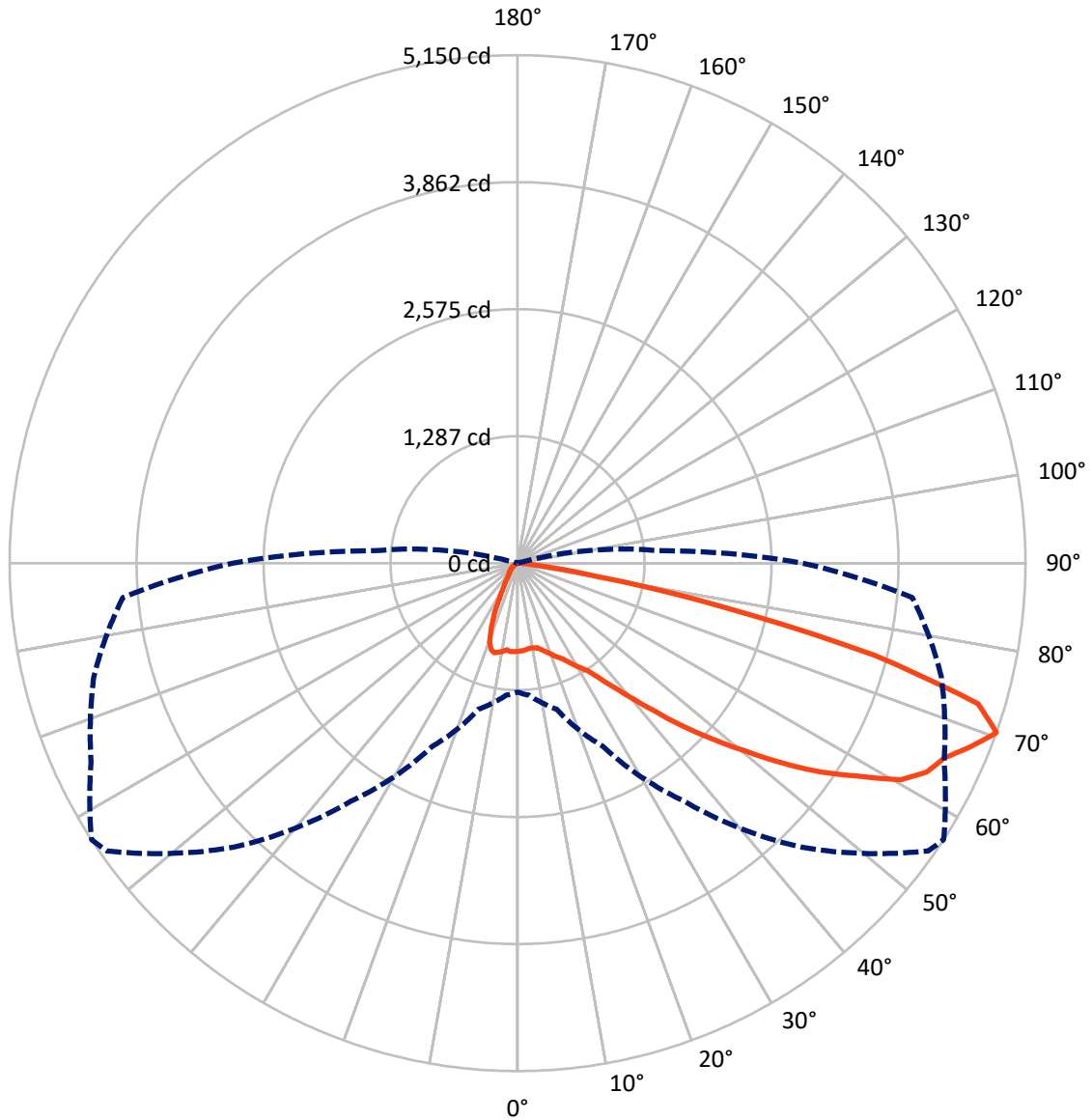
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.1 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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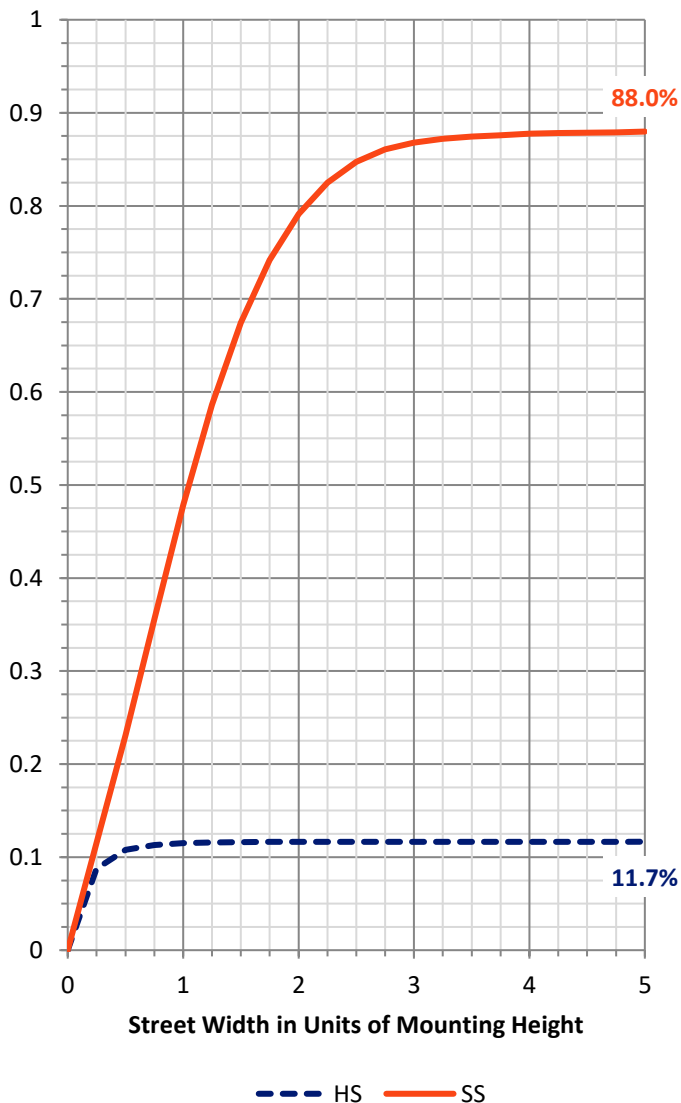
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	853.5	0.0	853.5
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	6387.4	0.0	6387.4
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	7240.9	0.0	7240.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.5	1.2
10°-20°	233.4	3.2
20°-30°	393.2	5.4
30°-40°	673.0	9.3
40°-50°	1130.0	15.6
50°-60°	1734.5	24.0
60°-70°	2002.5	27.7
70°-80°	945.9	13.1
80°-90°	44.9	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°	7240.9	100.0
0°-180°	7240.9	100.0



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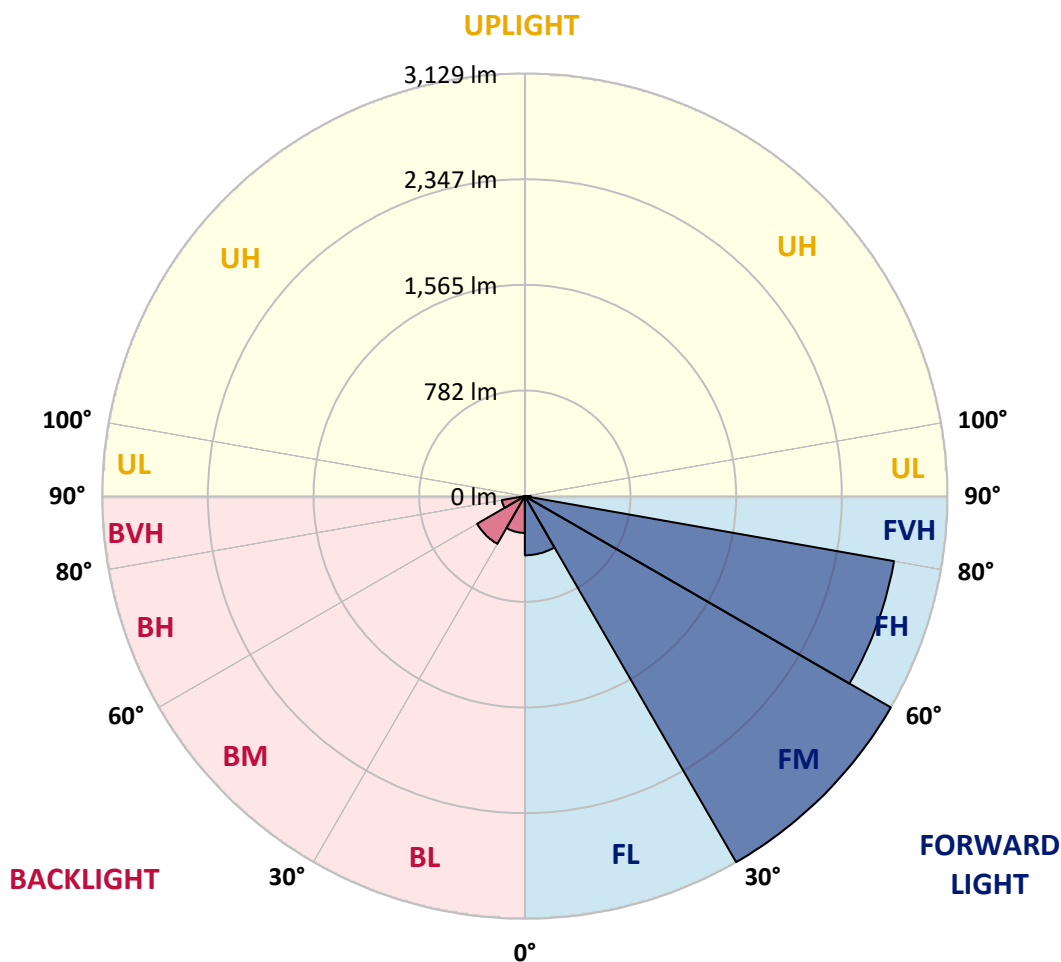
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	438.1	6.0			
FM (30°-60°)	3129.4	43.2			
FH (60°-80°)	2775.9	38.3			G2/5000
FVH (80°-90°)	44.1	0.6			G1/100
BL (0°-30°)	272.1	3.8	B1/500		
BM (30°-60°)	408.0	5.6	B1/1000		
BH (60°-80°)	172.6	2.4	B1/500		G1/500
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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4
2.5°	880.5	874.9	880.5	887.9	880.5	886.0	884.2	889.7	882.3	882.3	887.9
5°	823.1	832.4	836.1	845.3	854.6	871.2	882.3	882.3	893.4	899.0	906.4
7.5°	802.8	788.0	802.8	810.2	819.4	847.2	863.8	871.2	886.0	906.4	917.5
10°	773.2	784.3	784.3	808.3	821.3	837.9	867.5	873.1	906.4	926.7	937.8
12.5°	771.3	771.3	780.6	797.2	823.1	854.6	891.6	880.5	915.6	952.6	971.1
15°	776.9	789.8	789.8	812.0	832.4	876.8	908.2	910.1	960.0	997.0	1013.7
17.5°	800.9	795.4	802.8	815.7	847.2	889.7	941.5	947.1	1004.4	1054.4	1078.4
20°	850.9	860.1	849.0	841.6	854.6	910.1	976.7	987.8	1052.5	1100.6	1124.7
22.5°	1037.7	1030.3	985.9	934.1	911.9	937.8	1010.0	1035.9	1111.7	1169.0	1189.4
25°	1248.6	1235.6	1183.8	1106.2	1004.4	993.3	1076.6	1076.6	1185.7	1248.6	1243.0
27.5°	1448.4	1444.7	1383.6	1302.2	1157.9	1078.4	1130.2	1150.5	1268.9	1320.7	1296.7
30°	1651.8	1655.5	1600.0	1502.0	1350.3	1215.3	1206.0	1222.7	1331.8	1413.2	1363.3
32.5°	1888.6	1855.3	1816.5	1681.4	1542.7	1391.0	1304.1	1296.7	1402.1	1476.1	1409.5
35°	2099.5	2079.1	2036.6	1914.5	1755.4	1574.1	1452.1	1433.6	1490.9	1588.9	1516.8
37.5°	2284.5	2264.1	2208.6	2127.2	2003.3	1801.7	1629.6	1601.9	1625.9	1729.5	1642.6
40°	2443.5	2449.1	2434.3	2354.7	2240.1	2056.9	1859.0	1814.6	1794.3	1886.8	1788.7
42.5°	2558.2	2611.9	2615.6	2517.5	2425.0	2325.1	2103.2	2068.0	2019.9	2097.6	2029.2
45°	2798.7	2769.1	2787.6	2752.4	2650.7	2635.9	2384.3	2364.0	2297.4	2323.3	2251.2
47.5°	2987.4	2981.8	3017.0	2959.6	2931.9	2933.7	2704.3	2669.2	2574.9	2623.0	2541.6
50°	3096.5	3066.9	3194.5	3238.9	3233.4	3255.6	3028.1	2998.5	2907.8	2978.1	2804.2
52.5°	3122.4	3176.0	3296.3	3457.2	3525.6	3571.9	3381.4	3370.3	3272.2	3316.6	3076.1
55°	3187.1	3238.9	3309.2	3573.7	3827.1	3838.2	3729.1	3740.2	3653.3	3642.2	3335.1
57.5°	3185.3	3174.2	3368.4	3675.5	4026.9	4186.0	4126.8	4073.2	3978.8	3869.7	3501.6
60°	3068.7	3063.2	3264.8	3688.4	4136.1	4500.5	4524.5	4461.6	4224.8	4063.9	3697.7
62.5°	2837.5	2859.7	3063.2	3577.4	4239.6	4613.3	4702.1	4659.5	4365.4	4193.4	3928.9
65°	2573.0	2526.8	2763.5	3300.0	4006.6	4580.0	4772.4	4757.6	4531.9	4334.0	4141.6
67.5°	2064.3	2084.7	2266.0	2839.4	3608.9	4457.9	4937.0	4959.2	4665.1	4457.9	4206.3
70°	1307.8	1344.8	1533.4	2051.4	2946.7	4073.2	5085.0	5149.7	4770.5	4446.8	4017.7
72.5°	381.1	395.8	653.0	1022.9	1877.5	3266.7	4848.2	4881.5	4565.2	4036.2	3107.6
75°	125.8	133.2	192.4	333.0	736.2	1688.8	3581.1	3738.4	3632.9	2926.3	1777.6
77.5°	83.2	86.9	105.4	159.1	279.3	529.0	1920.0	2088.4	2047.7	1370.7	573.4
80°	61.0	62.9	77.7	107.3	170.2	190.5	708.5	819.4	791.7	314.5	114.7
82.5°	38.8	38.8	57.3	75.8	107.3	94.3	205.3	227.5	222.0	120.2	44.4
85°	25.9	27.7	42.5	59.2	59.2	44.4	59.2	68.4	74.0	64.7	20.3
87.5°	7.4	9.2	24.0	40.7	24.0	22.2	20.3	22.2	25.9	35.1	11.1
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°	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4
2.5°	893.4	900.8	899.0	902.7	897.1	891.6	897.1	897.1	897.1	891.6	887.9
5°	900.8	897.1	900.8	893.4	900.8	893.4	889.7	878.6	876.8	876.8	884.2
7.5°	911.9	915.6	899.0	899.0	882.3	886.0	876.8	878.6	874.9	869.4	865.7
10°	928.6	943.4	926.7	921.2	902.7	887.9	865.7	854.6	854.6	847.2	854.6
12.5°	974.8	969.3	960.0	941.5	919.3	889.7	836.1	782.4	738.1	704.8	721.4
15°	1011.8	1010.0	997.0	961.9	932.3	841.6	706.6	567.9	493.9	460.6	455.0
17.5°	1069.2	1063.6	1041.4	995.2	897.1	697.4	484.6	368.1	296.0	279.3	273.8
20°	1122.8	1121.0	1072.9	1013.7	808.3	508.7	316.3	242.3	222.0	223.8	220.1
22.5°	1180.1	1170.9	1113.6	991.5	643.7	338.5	225.7	216.4	209.0	207.2	210.9
25°	1244.9	1211.6	1154.2	941.5	473.5	233.1	212.7	205.3	197.9	196.1	196.1
27.5°	1270.8	1248.6	1172.7	821.3	299.7	203.5	199.8	190.5	181.3	175.7	173.9
30°	1330.0	1293.0	1191.2	645.6	212.7	186.8	181.3	170.2	157.2	148.0	148.0
32.5°	1389.2	1344.8	1193.1	451.3	177.6	168.3	159.1	144.3	127.6	118.4	120.2
35°	1463.2	1402.1	1172.7	292.3	159.1	148.0	129.5	112.8	98.0	90.6	90.6
37.5°	1588.9	1531.6	1089.5	192.4	144.3	125.8	107.3	88.8	75.8	70.3	70.3
40°	1748.0	1674.0	974.8	151.7	127.6	107.3	85.1	68.4	61.0	55.5	55.5
42.5°	1938.5	1846.1	804.6	135.0	112.8	88.8	66.6	53.6	46.2	46.2	44.4
45°	2129.1	1977.4	630.8	123.9	99.9	74.0	51.8	42.5	38.8	37.0	37.0
47.5°	2401.0	2136.5	451.3	112.8	86.9	57.3	42.5	35.1	31.4	29.6	31.4
50°	2661.8	2286.3	320.0	101.7	72.1	46.2	35.1	31.4	27.7	25.9	25.9
52.5°	2891.2	2389.9	223.8	88.8	61.0	38.8	31.4	27.7	25.9	24.0	24.0
55°	3017.0	2354.7	153.5	75.8	49.9	33.3	27.7	24.0	22.2	20.3	20.3
57.5°	3146.4	2256.7	116.5	62.9	40.7	31.4	25.9	22.2	20.3	18.5	18.5
60°	3255.6	2184.6	90.6	49.9	33.3	25.9	22.2	18.5	16.6	14.8	12.9
62.5°	3261.1	2040.3	66.6	37.0	25.9	22.2	18.5	14.8	9.2	7.4	5.5
65°	3283.3	1888.6	48.1	27.7	18.5	16.6	12.9	7.4	3.7	0.0	0.0
67.5°	3205.6	1709.2	38.8	20.3	12.9	9.2	5.5	1.8	0.0	0.0	0.0
70°	2889.3	1442.8	29.6	14.8	9.2	5.5	1.8	0.0	0.0	0.0	0.0
72.5°	2068.0	937.8	20.3	11.1	3.7	1.8	0.0	0.0	0.0	0.0	0.0
75°	1102.5	399.5	14.8	7.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	345.9	101.7	9.2	3.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	75.8	27.7	5.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	25.9	11.1	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.2	3.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.7	1.8	1.8	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)