

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: P673316

Luminaire Tested: **CCP-SA-2E-830-U-T3-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P673316
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2E-830-U-T3-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T3 distribution lens and House Side Shield
Light Source: (32) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7827 lumens
Efficiency: N/A
Efficacy: 73.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

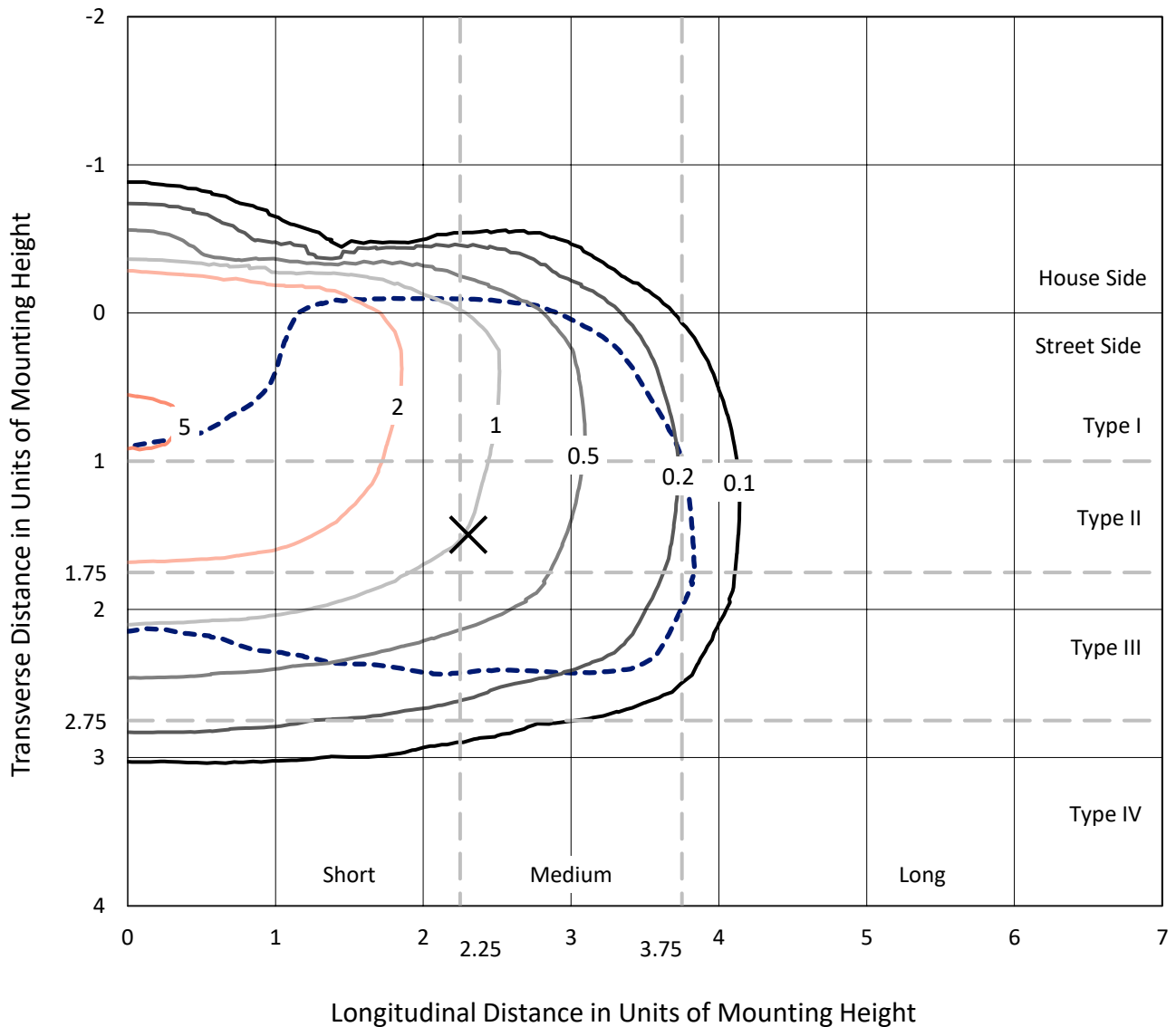
Input Watts (W): 106.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

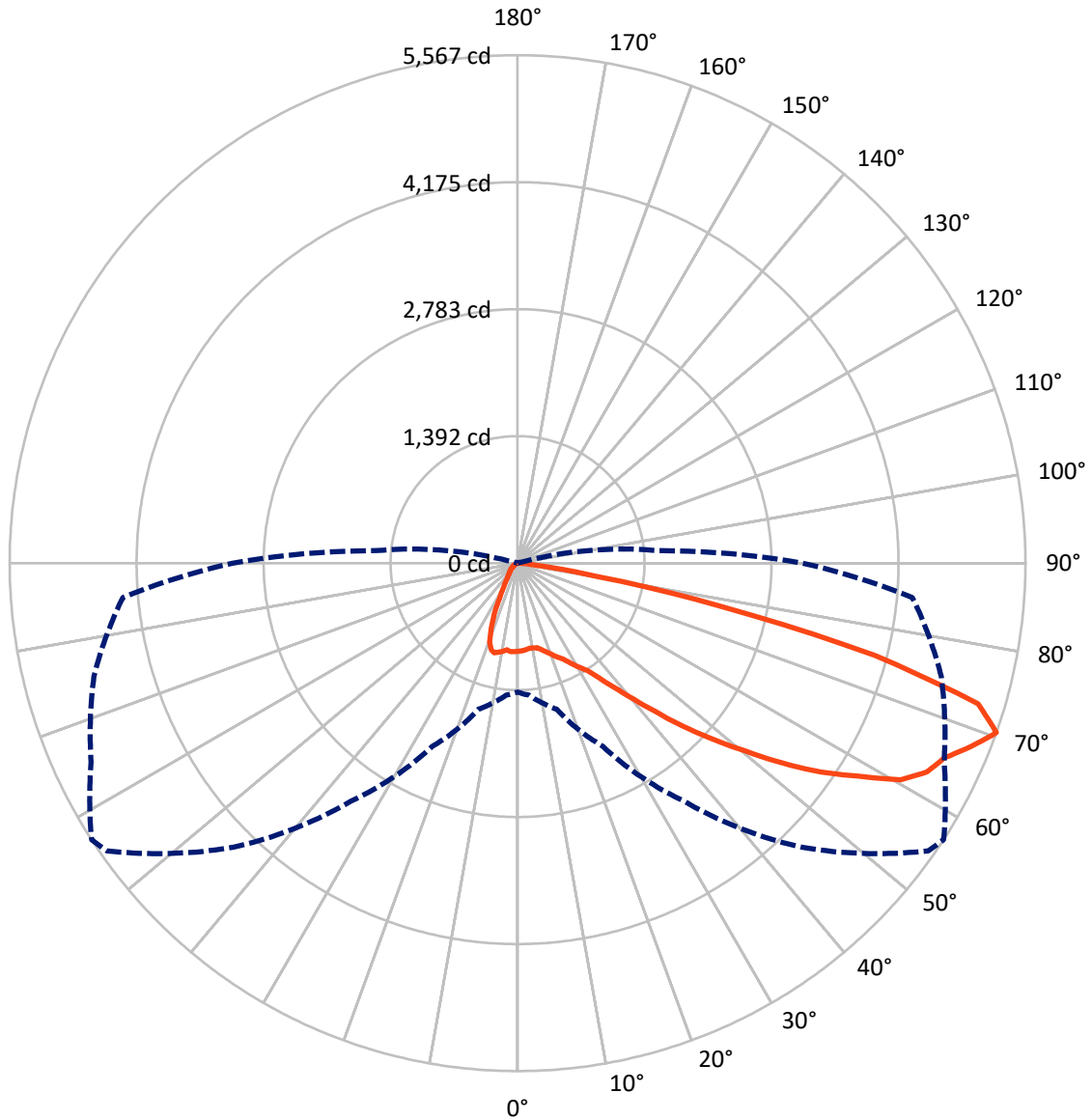
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 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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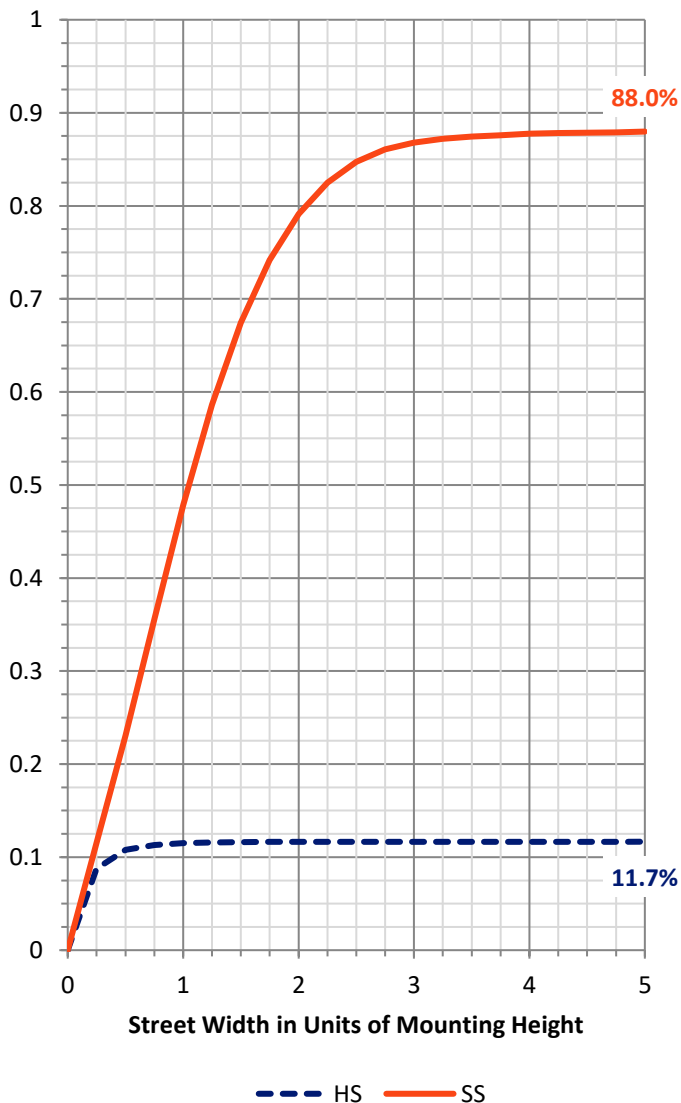
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	922.6	0.0	922.6
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	6904.4	0.0	6904.4
	% Fixture	88.2	0.0	88.2
Total	Lumens	7827.0	0.0	7827.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	1.2
10°-20°	252.3	3.2
20°-30°	425.0	5.4
30°-40°	727.4	9.3
40°-50°	1221.4	15.6
50°-60°	1874.9	24.0
60°-70°	2164.6	27.7
70°-80°	1022.5	13.1
80°-90°	48.5	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°	7827.0	100.0
0°-180°	7827.0	100.0



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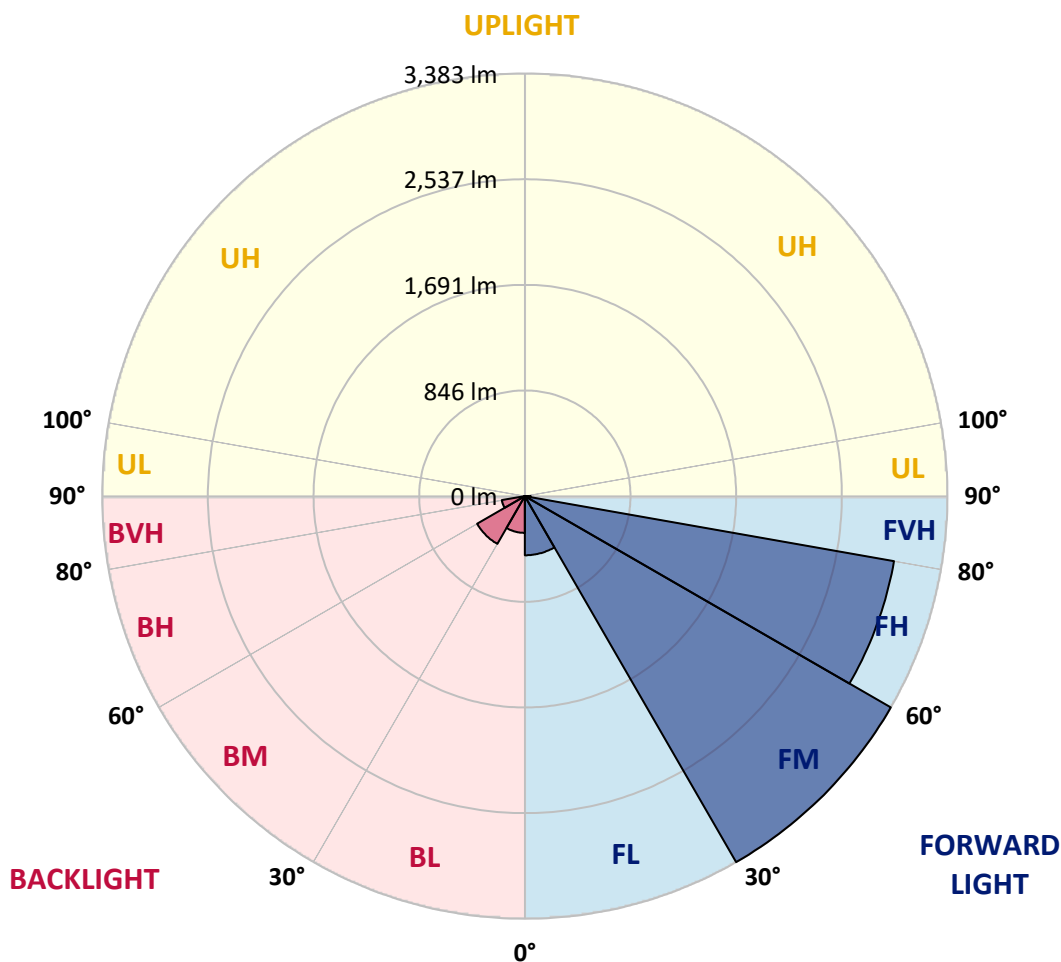
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	473.5	6.0			
FM (30°-60°)	3382.7	43.2			
FH (60°-80°)	3000.5	38.3			G2/5000
FVH (80°-90°)	47.7	0.6			G1/100
BL (0°-30°)	294.1	3.8	B1/500		
BM (30°-60°)	441.0	5.6	B1/1000		
BH (60°-80°)	186.6	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°	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7
2.5°	951.8	945.8	951.8	959.8	951.8	957.8	955.8	961.7	953.8	953.8	959.8
5°	889.8	899.8	903.8	913.8	923.8	941.8	953.8	953.8	965.7	971.7	979.7
7.5°	867.8	851.8	867.8	875.8	885.8	915.8	933.8	941.8	957.8	979.7	991.7
10°	835.8	847.8	847.8	873.8	887.8	905.8	937.8	943.8	979.7	1001.7	1013.7
12.5°	833.8	833.8	843.8	861.8	889.8	923.8	963.7	951.8	989.7	1029.7	1049.7
15°	839.8	853.8	853.8	877.8	899.8	947.8	981.7	983.7	1037.7	1077.7	1095.7
17.5°	865.8	859.8	867.8	881.8	915.8	961.7	1017.7	1023.7	1085.7	1139.7	1165.7
20°	919.8	929.8	917.8	909.8	923.8	983.7	1055.7	1067.7	1137.7	1189.7	1215.7
22.5°	1121.7	1113.7	1065.7	1009.7	985.7	1013.7	1091.7	1119.7	1201.7	1263.7	1285.7
25°	1349.6	1335.7	1279.7	1195.7	1085.7	1073.7	1163.7	1163.7	1281.7	1349.6	1343.7
27.5°	1565.6	1561.6	1495.6	1407.6	1251.7	1165.7	1221.7	1243.7	1371.6	1427.6	1401.6
30°	1785.5	1789.5	1729.5	1623.6	1459.6	1313.7	1303.7	1321.7	1439.6	1527.6	1473.6
32.5°	2041.5	2005.5	1963.5	1817.5	1667.6	1503.6	1409.6	1401.6	1515.6	1595.6	1523.6
35°	2269.4	2247.4	2201.4	2069.5	1897.5	1701.6	1569.6	1549.6	1611.6	1717.6	1639.6
37.5°	2469.4	2447.4	2387.4	2299.4	2165.4	1947.5	1761.5	1731.5	1757.5	1869.5	1775.5
40°	2641.3	2647.3	2631.3	2545.3	2421.4	2223.4	2009.5	1961.5	1939.5	2039.5	1933.5
42.5°	2765.3	2823.3	2827.3	2721.3	2621.3	2513.3	2273.4	2235.4	2183.4	2267.4	2193.4
45°	3025.2	2993.2	3013.2	2975.2	2865.3	2849.3	2577.3	2555.3	2483.4	2511.3	2433.4
47.5°	3229.2	3223.2	3261.2	3199.2	3169.2	3171.2	2923.2	2885.2	2783.3	2835.3	2747.3
50°	3347.1	3315.1	3453.1	3501.1	3495.1	3519.1	3273.1	3241.2	3143.2	3219.2	3031.2
52.5°	3375.1	3433.1	3563.1	3737.0	3811.0	3861.0	3655.0	3643.1	3537.1	3585.1	3325.1
55°	3445.1	3501.1	3577.1	3863.0	4136.9	4148.9	4031.0	4042.9	3949.0	3937.0	3605.1
57.5°	3443.1	3431.1	3641.1	3973.0	4352.9	4524.8	4460.8	4402.9	4300.9	4182.9	3785.0
60°	3317.1	3311.1	3529.1	3987.0	4470.8	4864.7	4890.7	4822.7	4566.8	4392.9	3997.0
62.5°	3067.2	3091.2	3311.1	3867.0	4582.8	4986.7	5082.7	5036.7	4718.8	4532.8	4246.9
65°	2781.3	2731.3	2987.2	3567.1	4330.9	4950.7	5158.7	5142.7	4898.7	4684.8	4476.8
67.5°	2231.4	2253.4	2449.4	3069.2	3901.0	4818.7	5336.6	5360.6	5042.7	4818.7	4546.8
70°	1413.6	1453.6	1657.6	2217.4	3185.2	4402.9	5496.6	5566.6	5156.7	4806.7	4342.9
72.5°	411.9	427.9	705.8	1105.7	2029.5	3531.1	5240.6	5276.6	4934.7	4362.9	3359.1
75°	136.0	144.0	207.9	359.9	795.8	1825.5	3871.0	4040.9	3927.0	3163.2	1921.5
77.5°	90.0	94.0	114.0	172.0	301.9	571.9	2075.5	2257.4	2213.4	1481.6	619.8
80°	66.0	68.0	84.0	116.0	184.0	205.9	765.8	885.8	855.8	339.9	124.0
82.5°	42.0	42.0	62.0	82.0	116.0	102.0	221.9	245.9	239.9	130.0	48.0
85°	28.0	30.0	46.0	64.0	64.0	48.0	64.0	74.0	80.0	70.0	22.0
87.5°	8.0	10.0	26.0	44.0	26.0	24.0	22.0	24.0	28.0	38.0	12.0
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°	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7	965.7
2.5°	965.7	973.7	971.7	975.7	969.7	963.7	969.7	969.7	969.7	963.7	959.8
5°	973.7	969.7	973.7	965.7	973.7	965.7	961.7	949.8	947.8	947.8	955.8
7.5°	985.7	989.7	971.7	971.7	953.8	957.8	947.8	949.8	945.8	939.8	935.8
10°	1003.7	1019.7	1001.7	995.7	975.7	959.8	935.8	923.8	923.8	915.8	923.8
12.5°	1053.7	1047.7	1037.7	1017.7	993.7	961.7	903.8	845.8	797.8	761.8	779.8
15°	1093.7	1091.7	1077.7	1039.7	1007.7	909.8	763.8	613.8	533.9	497.9	491.9
17.5°	1155.7	1149.7	1125.7	1075.7	969.7	753.8	523.9	397.9	319.9	301.9	295.9
20°	1213.7	1211.7	1159.7	1095.7	873.8	549.9	341.9	261.9	239.9	241.9	237.9
22.5°	1275.7	1265.7	1203.7	1071.7	695.8	365.9	243.9	233.9	225.9	223.9	227.9
25°	1345.6	1309.7	1247.7	1017.7	511.9	251.9	229.9	221.9	213.9	211.9	211.9
27.5°	1373.6	1349.6	1267.7	887.8	323.9	219.9	215.9	205.9	195.9	190.0	188.0
30°	1437.6	1397.6	1287.7	697.8	229.9	201.9	195.9	184.0	170.0	160.0	160.0
32.5°	1501.6	1453.6	1289.7	487.9	192.0	182.0	172.0	156.0	138.0	128.0	130.0
35°	1581.6	1515.6	1267.7	315.9	172.0	160.0	140.0	122.0	106.0	98.0	98.0
37.5°	1717.6	1655.6	1177.7	207.9	156.0	136.0	116.0	96.0	82.0	76.0	76.0
40°	1889.5	1809.5	1053.7	164.0	138.0	116.0	92.0	74.0	66.0	60.0	60.0
42.5°	2095.5	1995.5	869.8	146.0	122.0	96.0	72.0	58.0	50.0	50.0	48.0
45°	2301.4	2137.4	681.8	134.0	108.0	80.0	56.0	46.0	42.0	40.0	40.0
47.5°	2595.3	2309.4	487.9	122.0	94.0	62.0	46.0	38.0	34.0	32.0	34.0
50°	2877.3	2471.4	345.9	110.0	78.0	50.0	38.0	34.0	30.0	28.0	28.0
52.5°	3125.2	2583.3	241.9	96.0	66.0	42.0	34.0	30.0	28.0	26.0	26.0
55°	3261.2	2545.3	166.0	82.0	54.0	36.0	30.0	26.0	24.0	22.0	22.0
57.5°	3401.1	2439.4	126.0	68.0	44.0	34.0	28.0	24.0	22.0	20.0	20.0
60°	3519.1	2361.4	98.0	54.0	36.0	28.0	24.0	20.0	18.0	16.0	14.0
62.5°	3525.1	2205.4	72.0	40.0	28.0	24.0	20.0	16.0	10.0	8.0	6.0
65°	3549.1	2041.5	52.0	30.0	20.0	18.0	14.0	8.0	4.0	0.0	0.0
67.5°	3465.1	1847.5	42.0	22.0	14.0	10.0	6.0	2.0	0.0	0.0	0.0
70°	3123.2	1559.6	32.0	16.0	10.0	6.0	2.0	0.0	0.0	0.0	0.0
72.5°	2235.4	1013.7	22.0	12.0	4.0	2.0	0.0	0.0	0.0	0.0	0.0
75°	1191.7	431.9	16.0	8.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	373.9	110.0	10.0	4.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	82.0	30.0	6.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	28.0	12.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.0	4.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.0	2.0	2.0	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)