

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: P674695

Luminaire Tested: **CCP-SA-1E-735-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674695
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-735-U-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

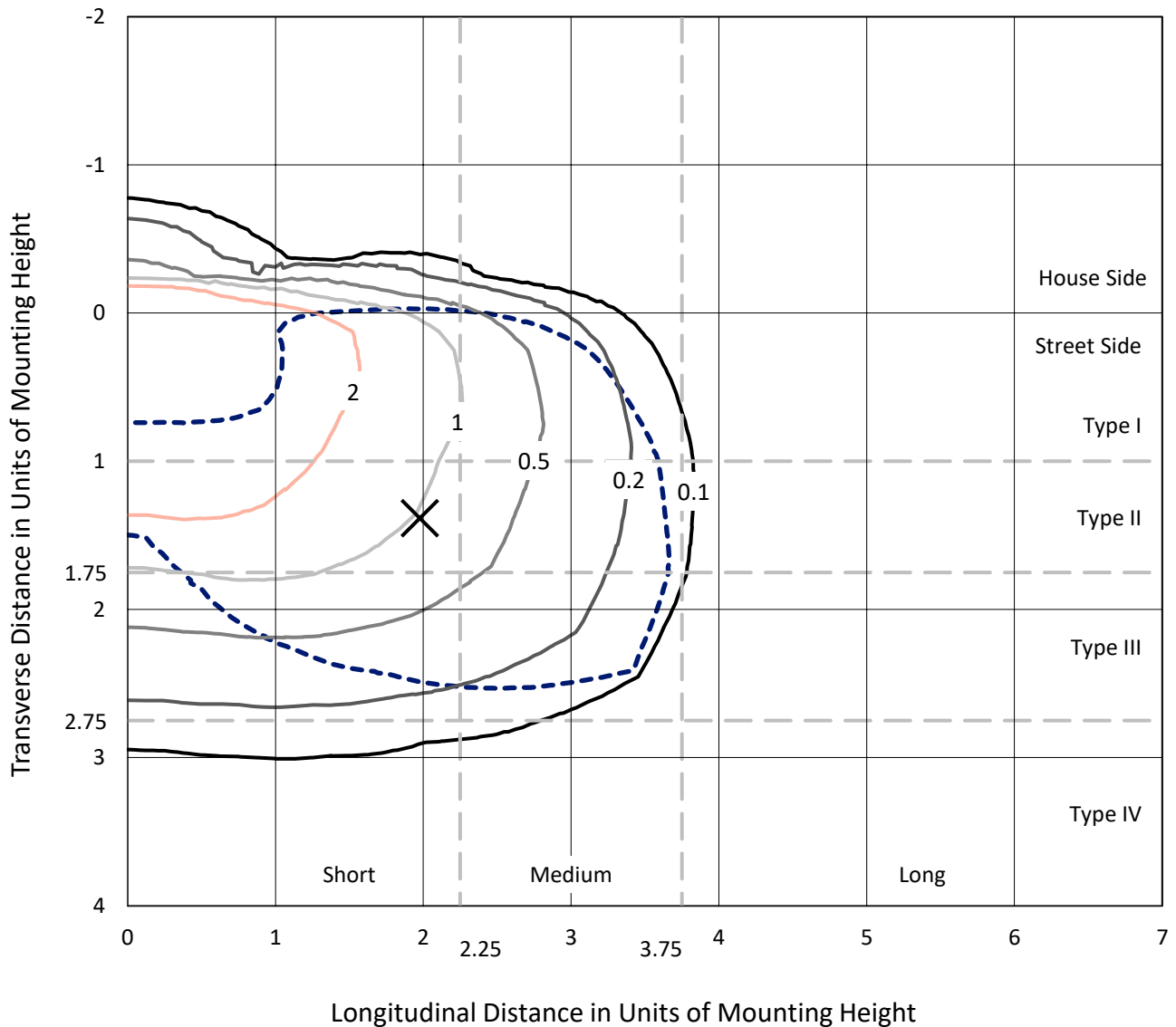
Lumens per Lamp: N/A
Luminaire Lumens: 5348.1 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1
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

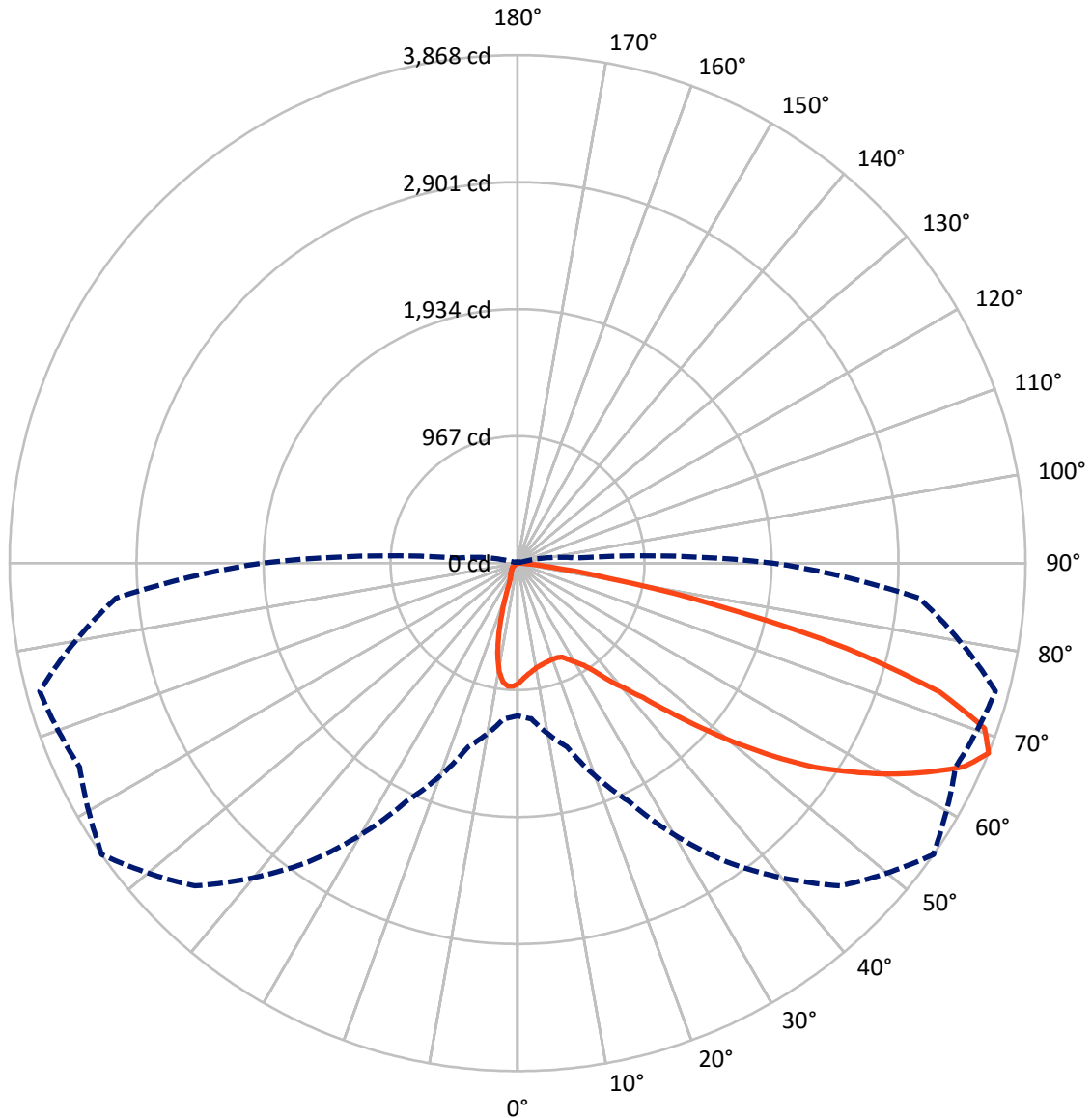
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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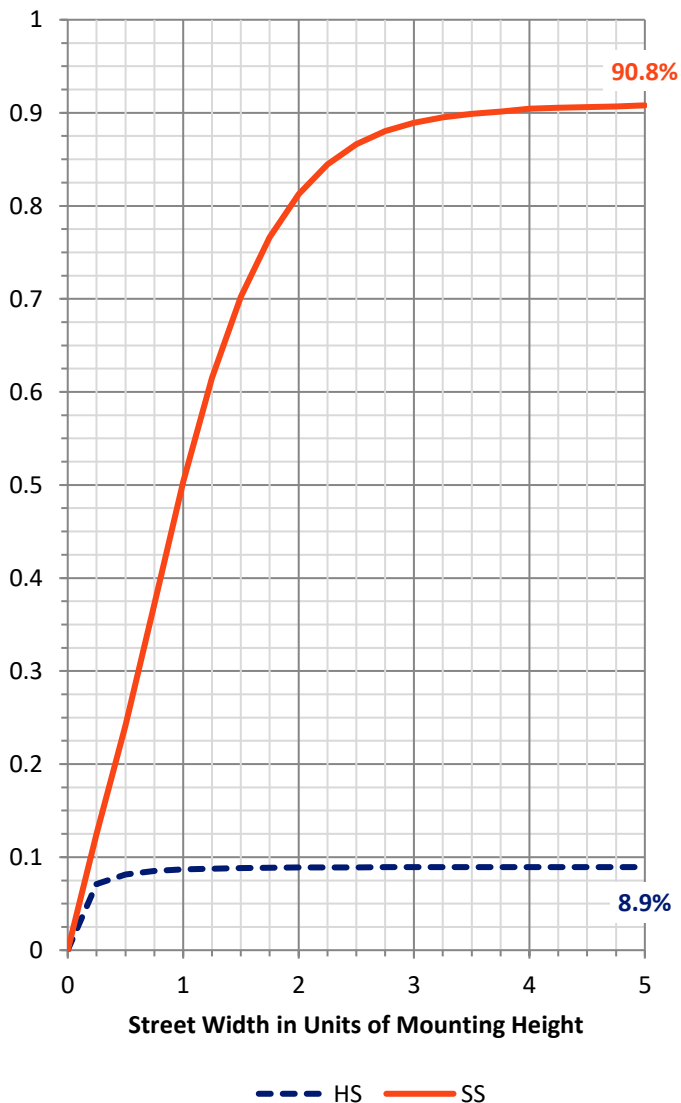
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	480.5	0.0	480.5
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	4867.7	0.0	4867.7
	% Fixture	91.0	0.0	91.0
Total	Lumens	5348.1	0.0	5348.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.4	1.5
10°-20°	183.1	3.4
20°-30°	293.8	5.5
30°-40°	509.6	9.5
40°-50°	849.7	15.9
50°-60°	1242.6	23.2
60°-70°	1448.9	27.1
70°-80°	703.1	13.1
80°-90°	36.8	0.7
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°	5348.1	100.0
0°-180°	5348.1	100.0



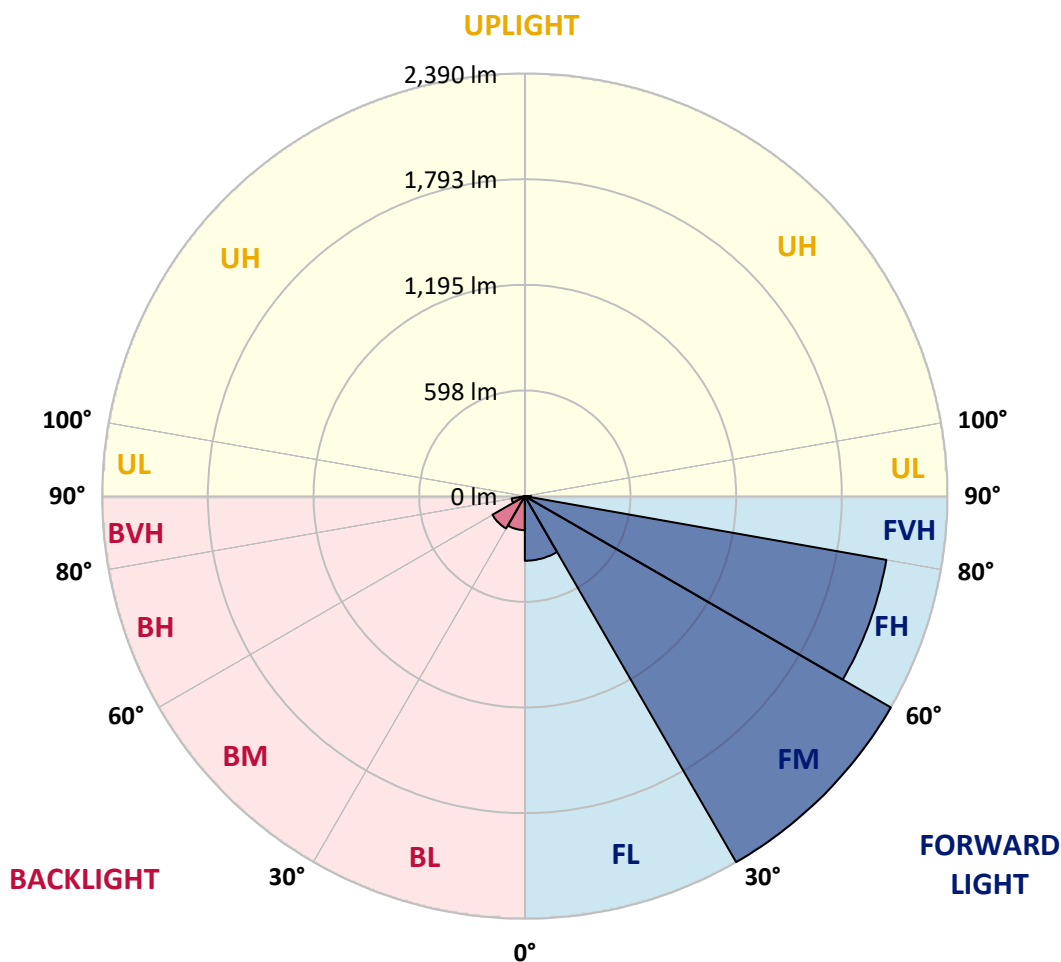
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	365.3	6.8			
FM (30°-60°)	2390.4	44.7			
FH (60°-80°)	2076.2	38.8			G2/5000
FVH (80°-90°)	35.7	0.7			G1/100
BL (0°-30°)	192.1	3.6	B1/500		
BM (30°-60°)	211.5	4.0	B0/220		
BH (60°-80°)	75.8	1.4	B0/110		G0/110
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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	916.5	916.5	916.5	916.5	916.5	916.5	916.5	916.5	916.5	916.5	916.5
2.5°	846.0	851.5	858.4	860.8	869.2	881.0	877.6	875.1	888.4	906.7	912.6
5°	793.3	793.8	804.7	812.5	826.8	838.2	850.5	849.5	873.6	904.7	924.4
7.5°	741.6	742.6	753.9	766.2	786.9	809.1	827.8	826.8	865.8	907.2	944.6
10°	673.6	678.5	692.3	714.0	746.5	781.5	807.6	810.1	856.9	916.5	972.2
12.5°	618.9	621.4	636.6	664.7	703.2	749.0	797.8	796.3	858.9	933.8	1008.2
15°	595.7	594.3	603.6	624.3	668.2	725.8	787.9	791.4	865.8	953.5	1045.6
17.5°	601.2	599.7	604.6	612.0	643.0	706.6	782.5	788.4	876.6	974.2	1080.6
20°	661.3	650.9	642.1	634.2	638.6	690.8	779.0	785.4	883.0	989.9	1117.6
22.5°	777.1	764.3	740.6	696.7	667.7	691.8	780.0	788.4	897.3	1015.6	1162.4
25°	965.8	953.5	902.7	813.0	736.2	727.3	793.3	802.2	930.3	1054.5	1210.2
27.5°	1215.6	1188.0	1126.4	997.8	849.5	784.0	833.2	843.1	977.1	1084.5	1242.7
30°	1423.1	1416.7	1357.5	1199.8	1005.7	867.2	878.1	883.5	998.3	1102.8	1275.2
32.5°	1638.4	1625.1	1570.9	1417.6	1187.0	986.0	928.3	930.8	1025.9	1129.9	1322.5
35°	1825.6	1813.3	1768.0	1619.2	1398.9	1145.6	1011.6	1006.2	1083.1	1189.5	1386.6
37.5°	1999.1	1997.6	1957.7	1805.9	1589.1	1311.2	1134.3	1129.9	1172.2	1255.0	1473.3
40°	2168.6	2164.6	2130.6	1992.2	1776.4	1476.3	1251.1	1239.8	1248.1	1346.7	1587.6
42.5°	2272.6	2280.9	2292.8	2205.0	1998.6	1669.9	1398.9	1392.0	1390.5	1490.1	1737.9
45°	2328.7	2343.5	2413.0	2405.1	2234.1	1910.9	1609.3	1591.6	1585.7	1687.2	1909.9
47.5°	2383.4	2389.8	2503.7	2551.5	2459.8	2162.2	1863.6	1838.9	1814.8	1927.6	2115.4
50°	2386.9	2397.2	2538.1	2654.4	2649.0	2409.5	2148.9	2127.2	2099.6	2220.3	2315.9
52.5°	2338.6	2359.3	2533.7	2719.5	2766.3	2627.8	2445.0	2427.3	2404.6	2494.8	2484.9
55°	2005.0	2040.0	2447.0	2725.4	2848.6	2815.1	2742.6	2718.0	2695.8	2759.9	2650.5
57.5°	1846.3	1866.0	2183.9	2721.0	2953.5	2988.5	3000.8	2989.5	2958.5	3038.3	2823.4
60°	1751.2	1779.8	2058.2	2671.7	3066.9	3184.6	3262.0	3239.3	3201.4	3311.3	3008.7
62.5°	1637.4	1658.1	1933.1	2529.8	3134.4	3384.2	3506.9	3486.2	3407.8	3563.1	3158.5
65°	1427.5	1458.5	1734.0	2306.6	3043.7	3530.5	3737.5	3730.6	3594.6	3753.3	3199.4
67.5°	1161.9	1190.0	1446.7	2000.6	2778.6	3475.8	3868.1	3846.4	3679.4	3767.6	3069.8
70°	872.2	887.4	1081.1	1528.5	2276.5	3183.6	3773.5	3769.0	3550.7	3555.7	2672.2
72.5°	468.1	510.5	718.9	1022.9	1600.9	2578.6	3363.0	3345.3	3167.9	2912.1	1921.7
75°	163.6	175.9	382.9	574.5	869.7	1717.7	2585.9	2544.6	2369.1	1894.1	1047.1
77.5°	100.5	110.4	170.0	293.7	338.5	745.5	1553.6	1499.9	1386.6	818.9	357.7
80°	69.5	78.3	113.8	153.7	115.3	241.4	715.0	694.8	534.6	195.1	82.3
82.5°	38.9	46.8	86.2	75.4	46.3	62.6	247.9	229.6	142.4	52.7	27.6
85°	22.7	27.1	60.6	53.2	23.7	22.2	64.6	57.7	37.0	19.7	13.3
87.5°	11.8	15.3	44.3	35.5	14.3	7.9	14.8	14.3	9.4	6.9	8.9
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°	916.5	916.5	916.5	916.5	916.5	916.5	916.5	916.5	916.5	916.5	916.5
2.5°	923.4	920.9	933.8	938.2	937.2	935.2	940.2	933.8	933.3	931.8	930.3
5°	940.2	944.1	954.5	954.5	940.7	918.0	904.2	885.5	869.7	860.3	858.9
7.5°	965.3	973.2	980.1	958.9	911.6	855.4	795.8	749.0	708.1	686.9	684.9
10°	1000.8	1008.2	1002.7	942.1	840.6	724.3	627.3	529.7	480.9	454.3	454.3
12.5°	1043.1	1049.1	1016.0	900.3	723.8	555.3	425.7	323.2	274.5	242.9	241.0
15°	1089.0	1090.5	1014.1	827.3	579.5	373.0	244.4	179.4	158.7	154.2	153.2
17.5°	1128.9	1123.0	993.4	719.4	417.4	222.2	155.2	140.4	136.5	136.5	136.5
20°	1166.3	1146.6	952.0	593.8	267.6	151.3	133.5	129.6	129.6	130.1	130.1
22.5°	1207.7	1168.8	892.9	454.3	172.0	129.6	125.2	123.2	122.7	124.2	123.7
25°	1256.5	1190.5	808.1	313.9	133.0	120.7	118.8	116.8	116.8	116.8	116.8
27.5°	1283.6	1187.5	711.5	198.1	116.3	111.9	109.9	107.9	106.4	105.9	106.4
30°	1307.3	1170.3	585.4	138.5	105.0	100.0	98.5	96.1	93.1	92.1	92.1
32.5°	1338.3	1156.0	453.3	111.4	95.1	89.7	85.2	81.3	76.4	74.4	73.9
35°	1372.8	1129.9	332.1	98.1	86.2	79.3	72.4	66.0	59.6	57.7	57.2
37.5°	1415.7	1106.2	225.2	90.7	78.8	70.5	61.1	52.2	46.3	45.3	45.3
40°	1473.8	1086.5	155.7	84.3	71.9	62.1	50.8	41.4	37.4	36.5	36.5
42.5°	1553.1	1070.2	117.8	78.8	66.0	53.7	40.9	34.0	31.0	30.1	30.1
45°	1646.8	1045.1	99.5	73.9	60.1	45.3	34.0	28.6	27.1	27.1	27.1
47.5°	1754.2	1013.6	90.7	69.0	53.7	37.0	28.6	26.1	25.6	25.6	26.1
50°	1862.6	976.1	84.3	63.1	46.3	31.5	26.1	24.6	24.6	25.1	25.1
52.5°	1936.0	917.5	77.9	56.7	38.9	27.6	24.6	24.1	23.7	23.7	23.7
55°	2007.5	866.3	69.0	49.8	32.5	25.6	23.7	23.2	23.2	22.7	22.7
57.5°	2081.9	825.8	57.7	41.4	27.6	24.1	22.7	22.7	21.7	21.2	21.2
60°	2168.1	790.4	44.3	32.5	24.1	22.7	21.2	20.7	19.7	18.7	18.7
62.5°	2193.2	715.5	33.5	26.1	20.7	19.7	19.2	18.2	15.8	13.8	14.3
65°	2127.7	597.7	26.6	20.7	16.8	16.8	15.3	12.8	10.3	8.9	8.9
67.5°	1946.8	446.4	21.7	16.3	13.3	12.8	10.8	9.4	6.4	5.4	5.4
70°	1604.4	295.2	17.7	12.8	10.8	8.9	7.4	6.9	4.9	3.9	3.9
72.5°	1124.5	160.1	14.8	10.3	7.9	5.9	4.9	4.4	3.4	3.0	2.5
75°	593.8	61.6	11.8	7.9	4.9	3.9	3.0	3.0	2.5	2.0	2.0
77.5°	203.5	26.1	8.4	4.4	3.4	2.5	2.0	1.5	2.0	1.5	1.5
80°	48.3	15.3	5.4	3.0	2.0	1.5	1.5	1.0	1.0	1.0	1.0
82.5°	21.2	8.9	3.4	2.0	2.0	1.5	1.0	0.5	0.5	0.5	0.5
85°	14.3	5.4	2.5	2.0	1.5	1.0	0.5	0.5	0.0	0.0	0.0
87.5°	11.3	3.4	2.0	2.0	1.5	1.0	0.5	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)