

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: P674475

Luminaire Tested: **CCP-SA-2A-835-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674475
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-835-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ AFL distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

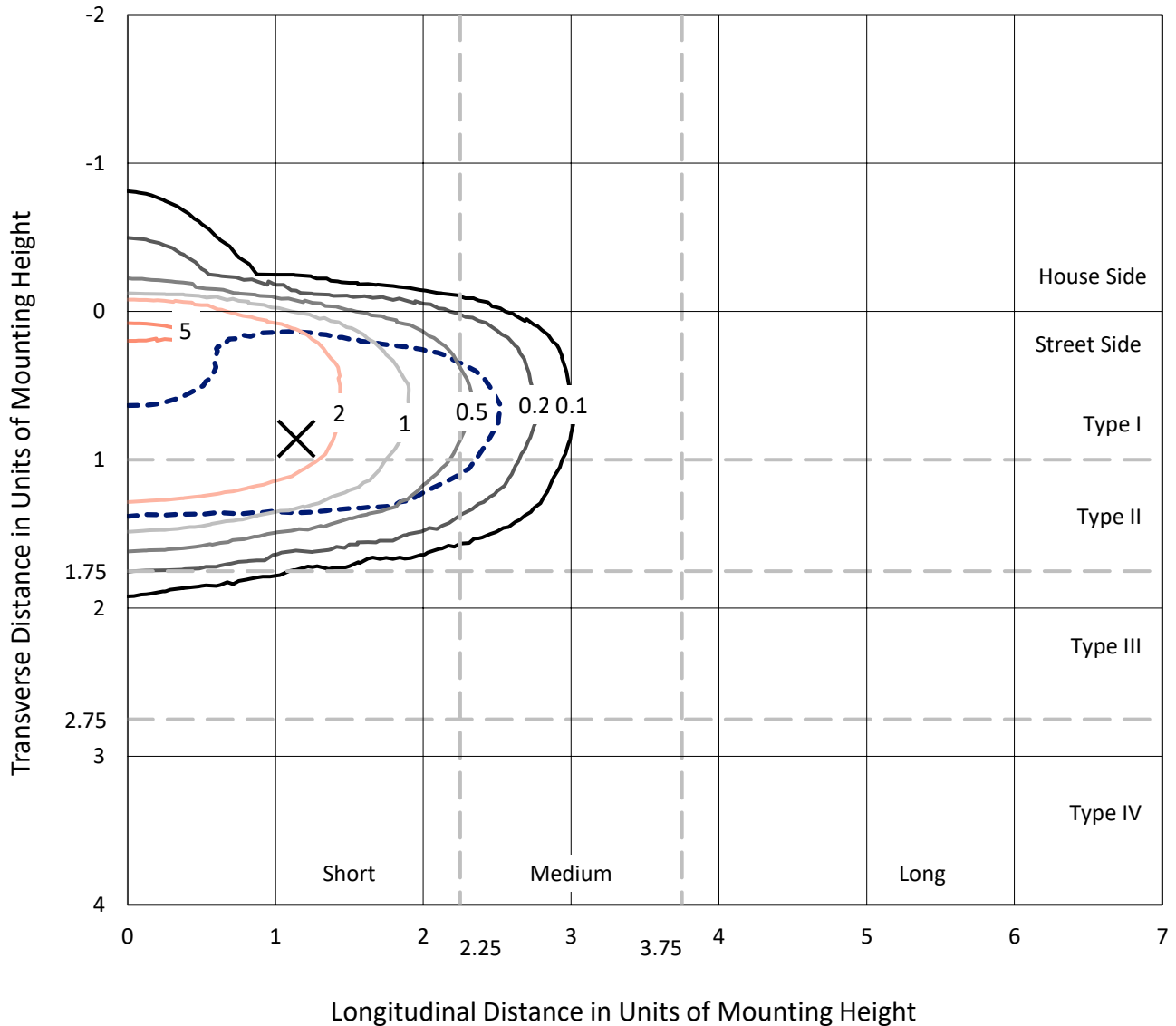
Lumens per Lamp: N/A
Luminaire Lumens: 3738.8 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 36.2
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

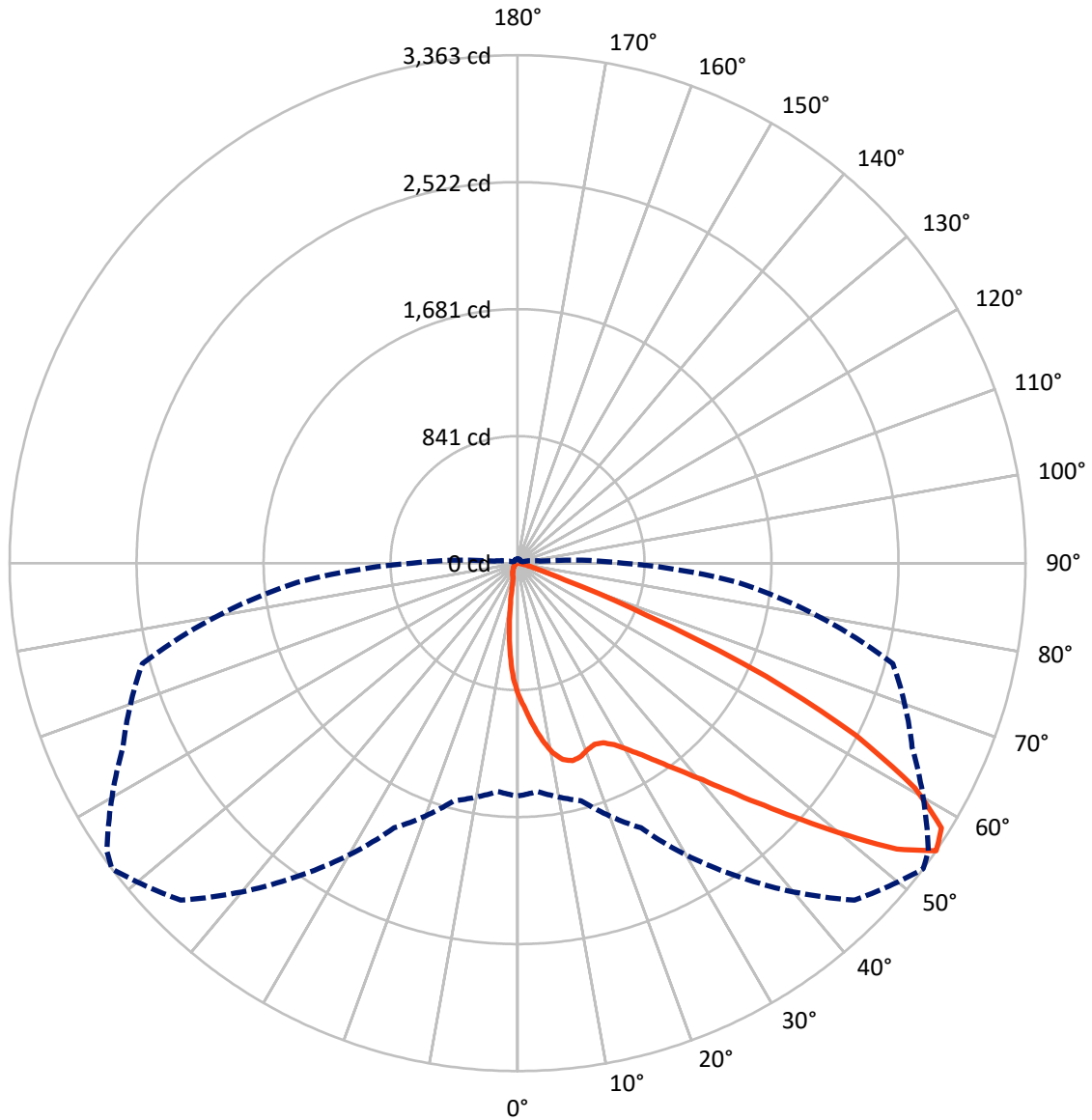
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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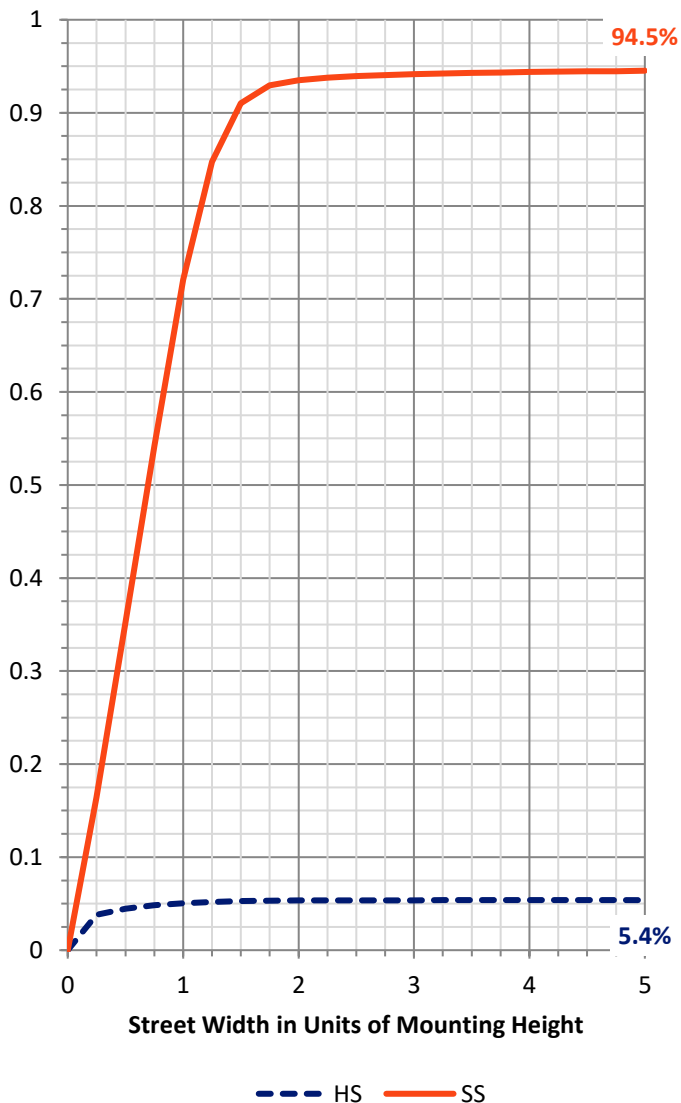
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	202.1	0.0	202.1
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	3536.7	0.0	3536.7
	% Fixture	94.6	0.0	94.6
Total	Lumens	3738.8	0.0	3738.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.2	2.1
10°-20°	204.4	5.5
20°-30°	342.1	9.2
30°-40°	559.7	15.0
40°-50°	899.7	24.1
50°-60°	1015.8	27.2
60°-70°	541.8	14.5
70°-80°	89.0	2.4
80°-90°	8.0	0.2
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°	3738.8	100.0
0°-180°	3738.8	100.0

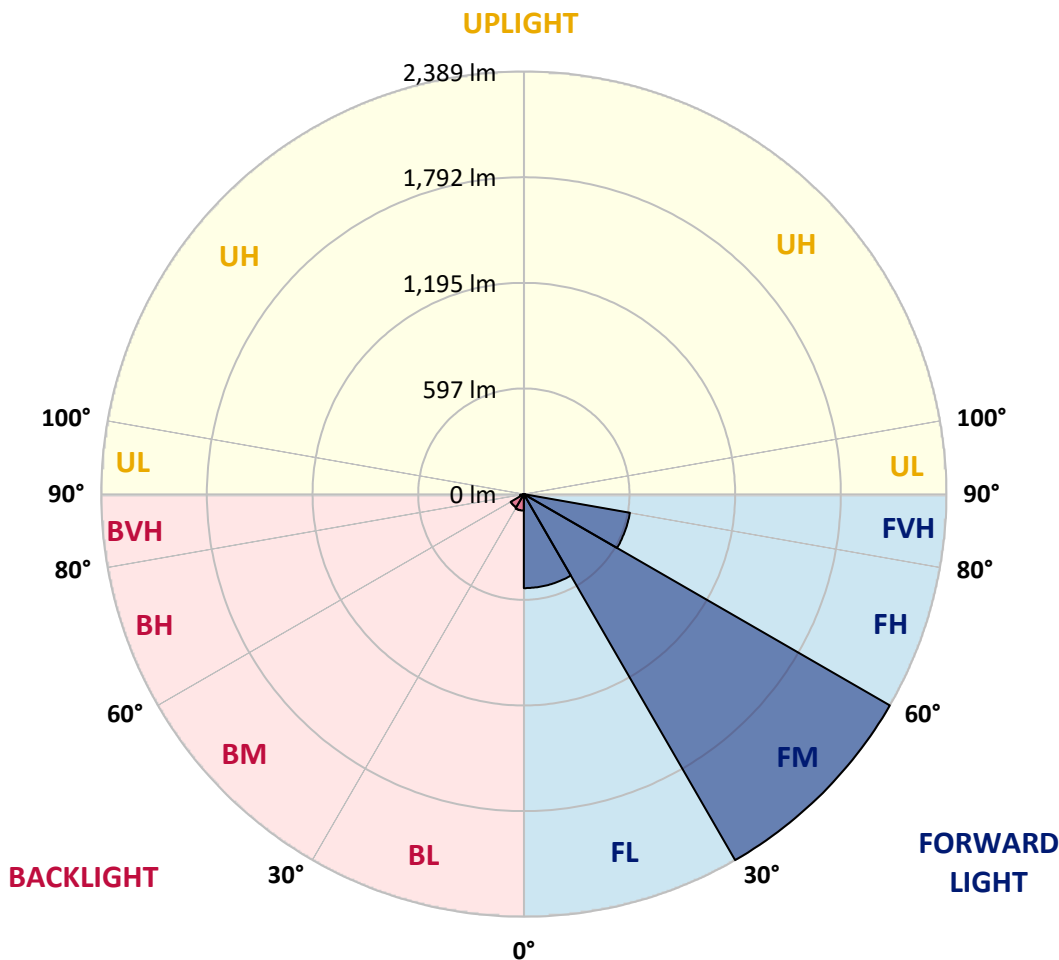


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	531.5	14.2			
FM (30°-60°)	2389.1	63.9			
FH (60°-80°)	608.8	16.3			G0/660
FVH (80°-90°)	7.3	0.2			G0/10
BL (0°-30°)	93.3	2.5	B0/110		
BM (30°-60°)	86.1	2.3	B0/220		
BH (60°-80°)	22.1	0.6	B0/110		G0/110
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	875.0	875.0	875.0	875.0	875.0	875.0	875.0	875.0	875.0	875.0	875.0
2.5°	1049.2	1043.0	1046.6	1037.1	1019.8	998.1	965.7	967.3	941.8	919.5	888.7
5°	1222.5	1216.0	1214.0	1189.8	1165.5	1126.6	1078.4	1070.5	1023.7	967.0	902.5
7.5°	1313.9	1308.4	1312.6	1303.8	1279.9	1244.5	1183.6	1177.7	1105.3	1019.4	924.4
10°	1272.0	1270.0	1288.0	1309.0	1328.3	1324.1	1275.3	1266.1	1184.9	1077.1	947.0
12.5°	1159.3	1165.5	1188.5	1227.1	1286.7	1342.8	1334.9	1336.5	1266.1	1139.7	971.9
15°	1093.1	1100.7	1113.8	1133.8	1207.1	1306.7	1357.5	1373.9	1344.1	1209.4	1001.4
17.5°	1087.6	1093.8	1095.8	1103.3	1146.2	1248.7	1348.3	1379.4	1413.5	1275.3	1034.5
20°	1130.5	1133.1	1131.5	1125.9	1141.3	1217.3	1319.5	1364.0	1470.8	1345.4	1063.7
22.5°	1211.4	1207.5	1202.5	1181.9	1180.9	1226.1	1303.8	1350.3	1504.9	1403.4	1083.0
25°	1311.6	1303.4	1296.6	1267.4	1253.7	1272.3	1317.9	1355.2	1535.7	1459.7	1096.7
27.5°	1421.0	1423.7	1406.6	1367.3	1345.7	1341.8	1361.4	1389.3	1565.5	1510.1	1104.3
30°	1538.0	1539.3	1517.0	1476.4	1456.8	1431.5	1430.2	1446.9	1597.6	1568.1	1111.5
32.5°	1671.3	1674.9	1638.6	1596.3	1561.9	1529.1	1513.1	1527.2	1655.3	1643.8	1126.2
35°	1863.9	1848.2	1799.1	1735.2	1686.4	1643.5	1618.9	1628.1	1731.9	1734.5	1155.7
37.5°	2062.4	2060.8	2006.4	1914.4	1834.5	1781.1	1739.1	1754.2	1839.7	1856.1	1202.9
40°	2247.5	2251.8	2204.6	2124.4	2021.5	1929.8	1884.9	1895.1	1982.8	2003.5	1260.2
42.5°	2368.4	2366.1	2369.7	2346.8	2243.6	2135.5	2068.0	2073.6	2149.3	2160.1	1331.9
45°	2424.1	2415.3	2446.0	2518.8	2477.8	2364.2	2287.2	2280.3	2321.9	2318.9	1397.1
47.5°	2375.9	2359.6	2430.3	2605.6	2684.9	2650.5	2540.4	2527.9	2492.6	2469.0	1464.9
50°	2136.5	2129.3	2280.6	2564.3	2814.9	2915.1	2834.2	2788.0	2644.9	2579.7	1500.6
52.5°	1908.8	1888.8	1991.0	2353.7	2756.9	3128.1	3144.8	3062.6	2771.3	2611.5	1488.5
55°	1541.9	1517.4	1628.7	1933.7	2527.3	3155.3	3362.9	3320.0	2882.1	2572.2	1464.0
57.5°	936.6	912.3	1076.1	1385.0	2021.2	2929.2	3309.2	3352.8	2967.2	2528.9	1447.9
60°	393.8	378.4	442.6	661.1	1290.7	2407.4	3024.2	3133.0	2983.3	2469.6	1454.5
62.5°	204.7	197.9	201.5	264.7	521.8	1585.2	2517.1	2706.5	2821.5	2443.4	1461.0
65°	153.6	148.4	136.9	145.4	202.8	685.3	1808.9	2062.4	2470.6	2376.9	1416.8
67.5°	126.1	121.2	113.0	110.4	119.6	237.8	923.5	1253.0	1936.0	2093.6	1258.2
70°	100.6	98.9	96.3	91.4	89.8	115.3	331.2	510.7	1280.2	1476.4	912.0
72.5°	83.9	84.2	81.2	77.0	71.1	74.4	132.0	174.6	619.5	707.9	382.0
75°	70.1	70.1	71.1	65.2	59.3	51.1	73.4	85.2	198.8	163.5	81.6
77.5°	55.0	55.7	59.9	55.0	47.5	32.1	40.0	45.5	59.0	47.2	29.8
80°	43.9	43.2	41.6	49.5	42.6	22.6	19.0	21.0	27.5	22.6	14.7
82.5°	30.8	30.5	29.2	33.4	33.1	16.7	12.4	12.8	16.7	14.4	9.2
85°	7.5	8.8	18.7	15.7	13.8	9.8	7.5	8.2	10.8	9.5	4.9
87.5°	3.3	3.3	8.5	10.2	6.6	4.3	3.3	3.6	5.6	5.6	2.9
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°	875.0	875.0	875.0	875.0	875.0	875.0	875.0	875.0	875.0	875.0	875.0
2.5°	877.9	856.6	829.8	801.3	772.1	737.1	714.8	696.4	682.0	670.9	667.0
5°	881.2	840.2	779.3	703.6	626.7	554.6	498.9	457.6	423.6	404.9	396.7
7.5°	880.9	826.5	716.4	589.6	464.5	360.7	287.0	241.4	211.0	198.5	191.0
10°	880.5	808.5	644.7	463.2	310.5	209.0	154.0	128.4	117.3	113.0	112.4
12.5°	890.0	787.8	564.4	341.0	194.9	130.0	107.1	101.2	98.6	97.3	97.0
15°	895.3	768.8	479.9	240.8	131.4	102.9	95.7	93.0	92.1	91.4	91.1
17.5°	900.8	739.4	399.6	174.3	105.2	93.4	89.1	87.5	86.8	86.8	86.8
20°	901.8	707.6	320.0	128.4	93.4	87.1	82.9	81.2	80.3	79.6	79.6
22.5°	894.6	669.9	251.6	104.2	86.5	81.2	76.7	74.0	72.4	72.1	72.1
25°	876.6	616.5	192.9	91.4	80.9	75.3	69.8	66.8	65.5	65.5	65.5
27.5°	850.7	553.6	149.0	81.2	73.7	68.1	63.2	60.6	60.3	59.9	60.3
30°	821.2	493.0	114.0	72.1	65.2	60.6	56.7	55.4	56.0	56.0	56.3
32.5°	791.8	432.4	89.1	64.9	57.7	53.7	51.8	51.8	52.7	52.7	52.7
35°	766.5	373.1	74.7	59.0	52.4	49.1	48.2	49.1	49.8	50.1	50.1
37.5°	752.5	322.0	65.8	53.7	48.2	45.5	45.2	46.2	47.5	48.5	48.8
40°	747.2	282.7	60.6	49.8	44.2	42.6	42.3	43.6	45.9	47.5	47.8
42.5°	747.5	248.0	56.0	45.9	41.6	39.3	39.3	41.3	43.6	45.2	45.2
45°	749.8	218.2	51.4	41.9	39.3	35.4	35.7	38.3	40.0	41.6	41.6
47.5°	751.8	194.3	46.5	37.7	34.1	32.1	32.8	34.7	37.0	39.6	39.6
50°	740.3	177.2	41.6	33.1	29.8	29.2	30.5	32.1	35.4	38.0	38.3
52.5°	712.8	161.8	37.3	29.5	26.9	27.2	28.8	29.8	32.4	32.8	33.1
55°	700.7	154.0	34.1	26.9	24.6	25.6	26.5	26.9	26.2	24.6	24.6
57.5°	698.1	148.7	30.8	24.2	22.6	23.9	23.6	21.6	19.7	17.7	17.4
60°	700.7	141.5	28.2	21.0	20.6	21.0	20.0	16.4	13.8	12.4	11.8
62.5°	685.6	131.0	25.9	18.0	18.0	17.7	15.1	11.1	8.8	7.9	7.5
65°	635.8	110.4	23.6	15.1	14.7	14.1	10.2	7.5	5.9	4.9	4.6
67.5°	537.9	85.5	21.3	12.4	11.8	9.8	6.6	4.9	3.3	2.9	2.6
70°	366.9	53.1	18.0	9.8	8.8	6.2	3.9	2.9	2.0	1.6	1.3
72.5°	133.0	30.8	15.1	7.5	5.9	3.9	2.3	1.3	1.0	1.0	0.7
75°	31.4	21.6	11.5	5.6	3.9	2.3	1.3	1.0	0.7	0.7	0.3
77.5°	14.4	16.7	7.5	3.3	2.6	1.6	1.0	0.7	0.3	0.3	0.0
80°	8.2	11.8	3.6	2.3	2.0	1.3	0.7	0.3	0.3	0.0	0.0
82.5°	4.3	6.6	2.6	2.0	1.6	1.0	0.7	0.0	0.0	0.0	0.0
85°	2.9	3.3	2.0	1.6	1.3	1.0	0.7	0.0	0.0	0.0	0.0
87.5°	2.3	2.3	2.0	1.6	1.3	1.0	0.3	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)