

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: P674472

Luminaire Tested: **CCP-SA-1D-835-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674472
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1D-835-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @800mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

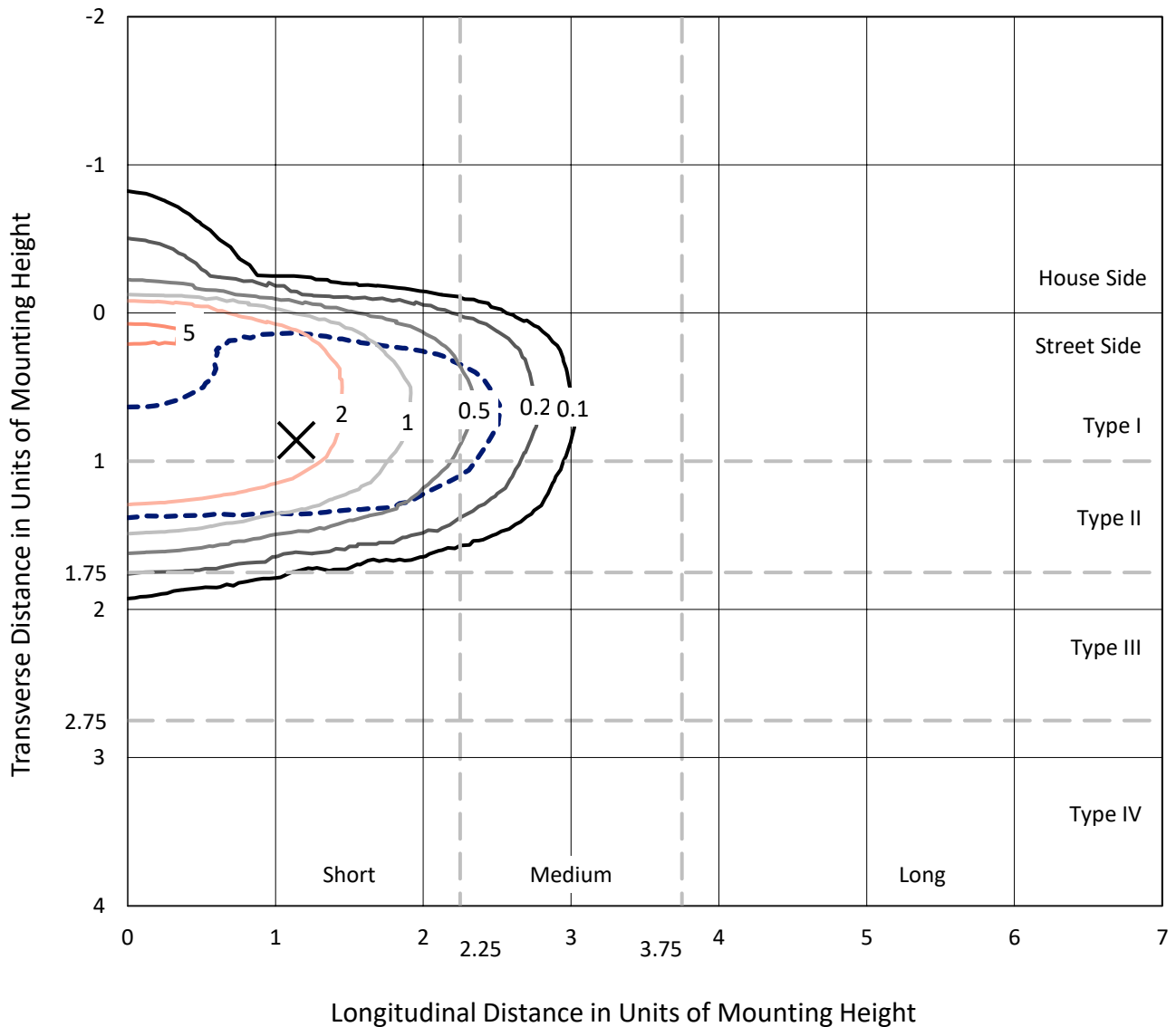
Lumens per Lamp: N/A
Luminaire Lumens: 3810.7 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 44
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

REPORT NUMBER: P674472
 CATALOG NUMBER: CCP-SA-1D-835-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination

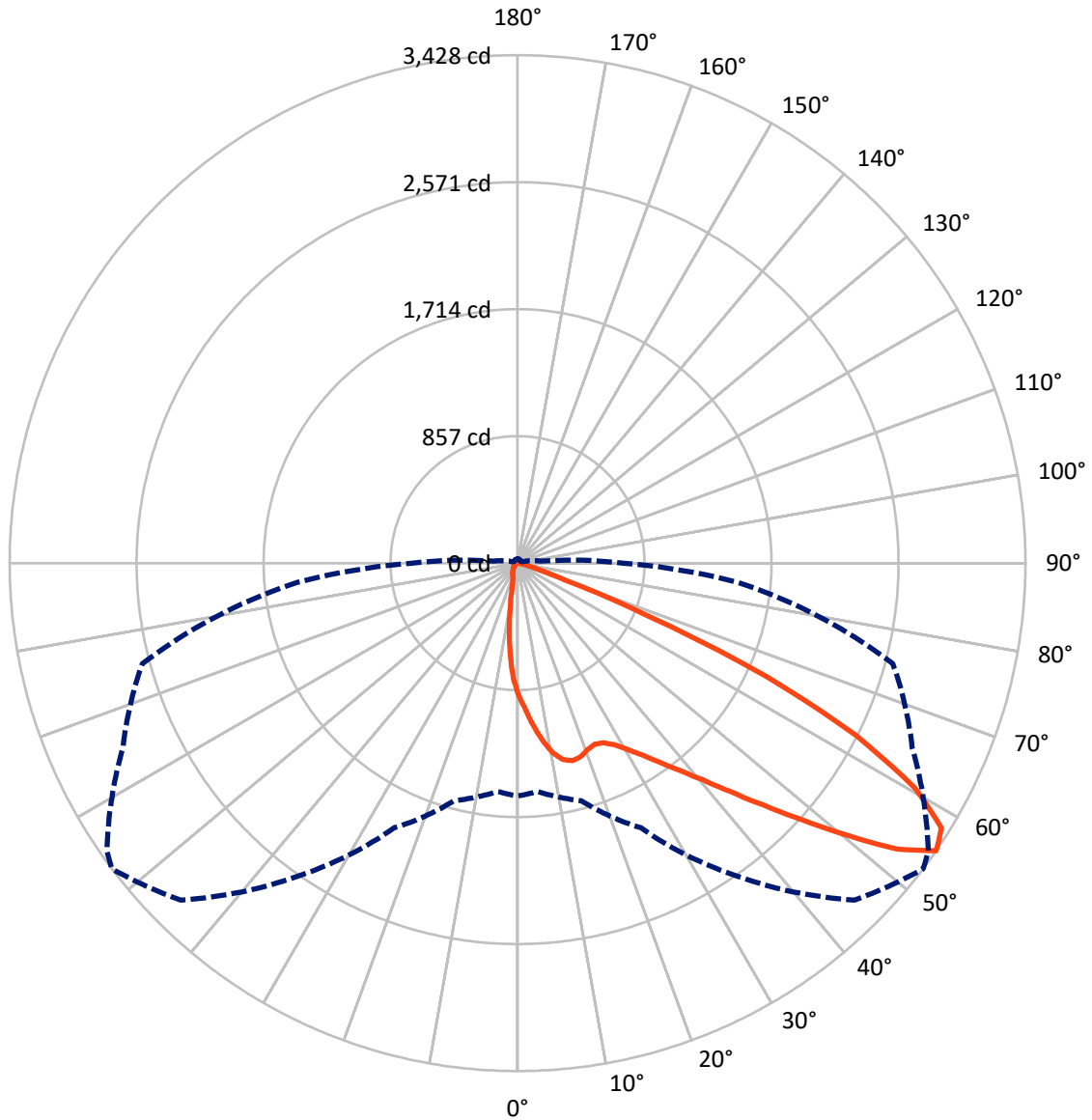
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.8 fc
 Type II - Short - N/A

REPORT NUMBER: P674472
CATALOG NUMBER: CCP-SA-1D-835-U-AFL-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P674472
 CATALOG NUMBER: CCP-SA-1D-835-U-AFL-HSS

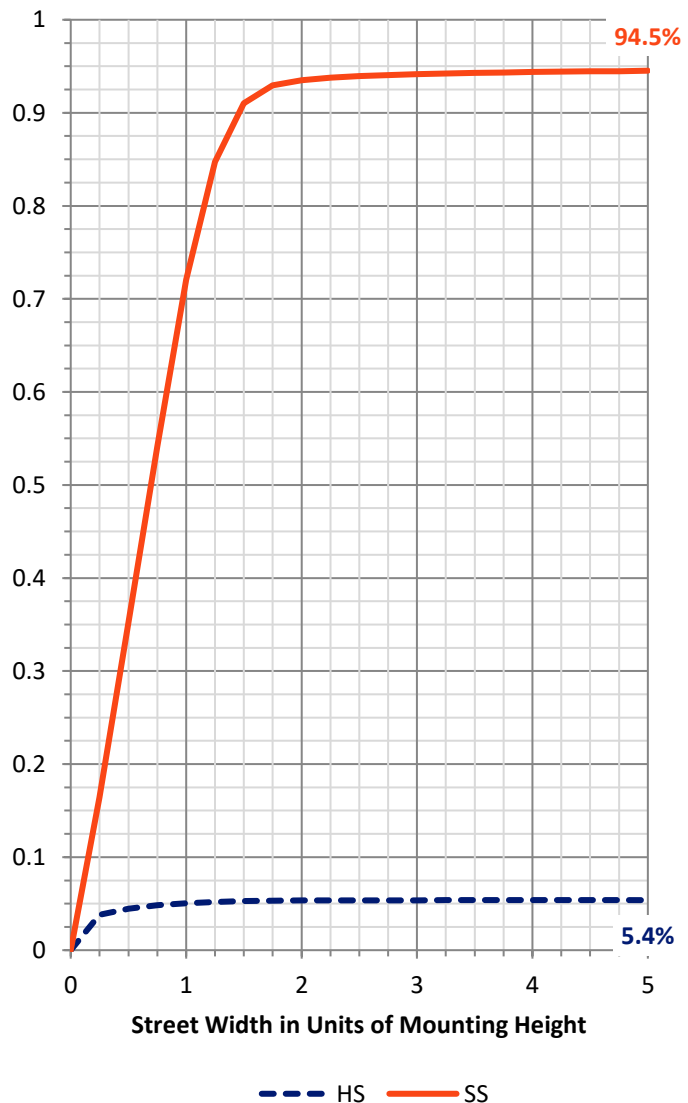
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	206.0	0.0	206.0
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	3604.7	0.0	3604.7
	% Fixture	94.6	0.0	94.6
Total	Lumens	3810.7	0.0	3810.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.7	2.1
10°-20°	208.3	5.5
20°-30°	348.7	9.2
30°-40°	570.5	15.0
40°-50°	917.0	24.1
50°-60°	1035.3	27.2
60°-70°	552.3	14.5
70°-80°	90.7	2.4
80°-90°	8.1	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°	3810.7	100.0
0°-180°	3810.7	100.0

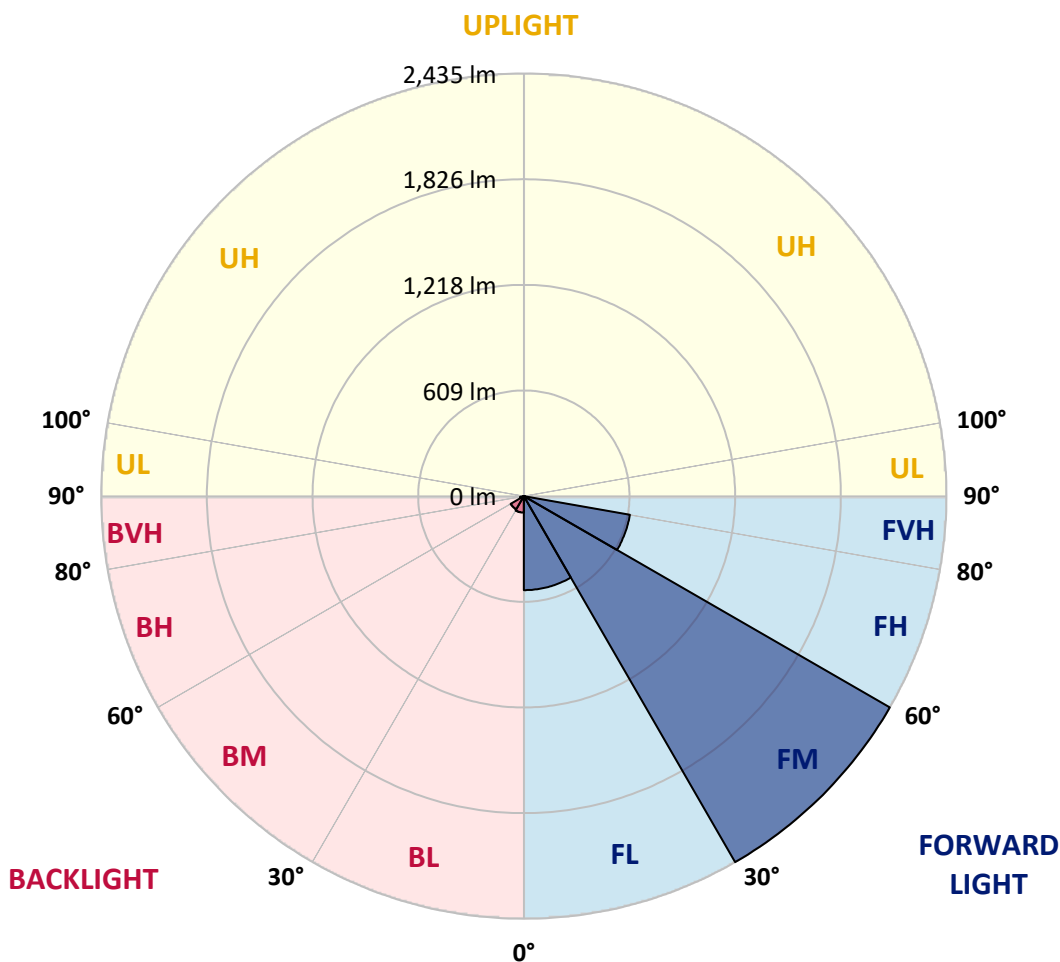


REPORT NUMBER: P674472
 CATALOG NUMBER: CCP-SA-1D-835-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	541.7	14.2			
FM (30°-60°)	2435.1	63.9			
FH (60°-80°)	620.5	16.3			G0/660
FVH (80°-90°)	7.5	0.2			G0/10
BL (0°-30°)	95.1	2.5	B0/110		
BM (30°-60°)	87.8	2.3	B0/220		
BH (60°-80°)	22.5	0.6	B0/110		G0/110
BVH (80°-90°)	0.7	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





REPORT NUMBER: P674472
 CATALOG NUMBER: CCP-SA-1D-835-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	891.8	891.8	891.8	891.8	891.8	891.8	891.8	891.8	891.8	891.8	891.8
2.5°	1069.4	1063.1	1066.8	1057.1	1039.4	1017.3	984.3	986.0	959.9	937.2	905.8
5°	1246.1	1239.4	1237.4	1212.7	1188.0	1148.2	1099.1	1091.1	1043.4	985.6	919.8
7.5°	1339.2	1333.5	1337.9	1328.9	1304.5	1268.4	1206.3	1200.3	1126.5	1039.0	942.2
10°	1296.5	1294.5	1312.8	1334.2	1353.9	1349.6	1299.8	1290.5	1207.7	1097.8	965.3
12.5°	1181.6	1188.0	1211.3	1250.7	1311.5	1368.6	1360.6	1362.2	1290.5	1161.6	990.6
15°	1114.2	1121.8	1135.2	1155.6	1230.4	1331.9	1383.6	1400.3	1369.9	1232.7	1020.7
17.5°	1108.5	1114.8	1116.8	1124.5	1168.3	1272.8	1374.3	1406.0	1440.7	1299.8	1054.4
20°	1152.2	1154.9	1153.2	1147.6	1163.2	1240.7	1344.9	1390.3	1499.1	1371.3	1084.1
22.5°	1234.7	1230.7	1225.7	1204.6	1203.6	1249.7	1328.9	1376.3	1533.9	1430.4	1103.8
25°	1336.9	1328.5	1321.5	1291.8	1277.8	1296.8	1343.2	1381.3	1565.2	1487.8	1117.8
27.5°	1448.4	1451.1	1433.7	1393.6	1371.6	1367.6	1387.6	1416.0	1595.6	1539.2	1125.5
30°	1567.6	1568.9	1546.2	1504.8	1484.8	1459.1	1457.7	1474.8	1628.3	1598.3	1132.9
32.5°	1703.5	1707.1	1670.1	1627.0	1592.0	1558.6	1542.2	1556.6	1687.1	1675.4	1147.9
35°	1899.8	1883.8	1833.7	1768.6	1718.8	1675.1	1650.0	1659.4	1765.2	1767.9	1177.9
37.5°	2102.1	2100.5	2045.0	1951.2	1869.7	1815.3	1772.6	1787.9	1875.1	1891.8	1226.0
40°	2290.8	2295.1	2247.0	2165.2	2060.4	1966.9	1921.2	1931.5	2021.0	2042.0	1284.4
42.5°	2414.0	2411.6	2415.3	2391.9	2286.8	2176.6	2107.8	2113.5	2190.6	2201.6	1357.6
45°	2470.7	2461.7	2493.1	2567.2	2525.5	2409.6	2331.2	2324.2	2366.6	2363.6	1424.0
47.5°	2421.7	2405.0	2477.1	2655.7	2736.5	2701.4	2589.3	2576.6	2540.5	2516.5	1493.1
50°	2177.6	2170.2	2324.5	2613.6	2869.1	2971.2	2888.8	2841.7	2695.8	2629.3	1529.5
52.5°	1945.5	1925.2	2029.3	2398.9	2810.0	3188.2	3205.3	3121.5	2824.6	2661.7	1517.2
55°	1571.6	1546.5	1660.1	1970.9	2575.9	3216.0	3427.6	3383.9	2937.5	2621.6	1492.1
57.5°	954.6	929.9	1096.8	1411.7	2060.1	2985.6	3372.9	3417.3	3024.3	2577.6	1475.8
60°	401.3	385.6	451.1	673.8	1315.5	2453.7	3082.4	3193.3	3040.7	2517.1	1482.4
62.5°	208.7	201.7	205.3	269.8	531.9	1615.7	2565.6	2758.5	2875.7	2490.4	1489.1
65°	156.6	151.2	139.6	148.2	206.7	698.5	1843.7	2102.1	2518.1	2422.7	1444.0
67.5°	128.5	123.5	115.2	112.5	121.9	242.4	941.2	1277.1	1973.2	2133.8	1282.4
70°	102.5	100.8	98.2	93.2	91.5	117.5	337.6	520.5	1304.8	1504.8	929.5
72.5°	85.5	85.8	82.8	78.5	72.5	75.8	134.6	178.0	631.4	721.5	389.3
75°	71.5	71.5	72.5	66.4	60.4	52.1	74.8	86.8	202.7	166.6	83.1
77.5°	56.1	56.8	61.1	56.1	48.4	32.7	40.7	46.4	60.1	48.1	30.4
80°	44.7	44.1	42.4	50.4	43.4	23.0	19.4	21.4	28.0	23.0	15.0
82.5°	31.4	31.1	29.7	34.1	33.7	17.0	12.7	13.0	17.0	14.7	9.3
85°	7.7	9.0	19.0	16.0	14.0	10.0	7.7	8.3	11.0	9.7	5.0
87.5°	3.3	3.3	8.7	10.4	6.7	4.3	3.3	3.7	5.7	5.7	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P674472
 CATALOG NUMBER: CCP-SA-1D-835-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	891.8	891.8	891.8	891.8	891.8	891.8	891.8	891.8	891.8	891.8	891.8
2.5°	894.8	873.1	845.7	816.7	787.0	751.2	728.5	709.8	695.1	683.8	679.8
5°	898.1	856.4	794.3	717.2	638.7	565.3	508.5	466.4	431.7	412.7	404.3
7.5°	897.8	842.4	730.2	601.0	473.4	367.6	292.5	246.1	215.0	202.3	194.7
10°	897.5	824.0	657.1	472.1	316.5	213.0	156.9	130.9	119.5	115.2	114.5
12.5°	907.2	803.0	575.3	347.6	198.7	132.6	109.2	103.2	100.5	99.2	98.8
15°	912.5	783.6	489.1	245.4	133.9	104.8	97.5	94.8	93.8	93.2	92.8
17.5°	918.2	753.6	407.3	177.6	107.2	95.2	90.8	89.1	88.5	88.5	88.5
20°	919.2	721.2	326.2	130.9	95.2	88.8	84.5	82.8	81.8	81.1	81.1
22.5°	911.8	682.8	256.4	106.2	88.1	82.8	78.1	75.5	73.8	73.5	73.5
25°	893.5	628.4	196.7	93.2	82.5	76.8	71.1	68.1	66.8	66.8	66.8
27.5°	867.1	564.3	151.9	82.8	75.1	69.4	64.4	61.8	61.4	61.1	61.4
30°	837.0	502.5	116.2	73.5	66.4	61.8	57.8	56.4	57.1	57.1	57.4
32.5°	807.0	440.7	90.8	66.1	58.8	54.8	52.8	52.8	53.8	53.8	53.8
35°	781.3	380.3	76.1	60.1	53.4	50.1	49.1	50.1	50.8	51.1	51.1
37.5°	766.9	328.2	67.1	54.8	49.1	46.4	46.1	47.1	48.4	49.4	49.7
40°	761.6	288.1	61.8	50.8	45.1	43.4	43.1	44.4	46.7	48.4	48.7
42.5°	761.9	252.7	57.1	46.7	42.4	40.1	40.1	42.1	44.4	46.1	46.1
45°	764.3	222.4	52.4	42.7	40.1	36.1	36.4	39.1	40.7	42.4	42.4
47.5°	766.3	198.0	47.4	38.4	34.7	32.7	33.4	35.4	37.7	40.4	40.4
50°	754.6	180.6	42.4	33.7	30.4	29.7	31.1	32.7	36.1	38.7	39.1
52.5°	726.5	164.9	38.1	30.0	27.4	27.7	29.4	30.4	33.1	33.4	33.7
55°	714.2	156.9	34.7	27.4	25.0	26.0	27.0	27.4	26.7	25.0	25.0
57.5°	711.5	151.6	31.4	24.7	23.0	24.4	24.0	22.0	20.0	18.0	17.7
60°	714.2	144.2	28.7	21.4	21.0	21.4	20.4	16.7	14.0	12.7	12.0
62.5°	698.8	133.6	26.4	18.4	18.4	18.0	15.4	11.4	9.0	8.0	7.7
65°	648.1	112.5	24.0	15.4	15.0	14.4	10.4	7.7	6.0	5.0	4.7
67.5°	548.2	87.1	21.7	12.7	12.0	10.0	6.7	5.0	3.3	3.0	2.7
70°	373.9	54.1	18.4	10.0	9.0	6.3	4.0	3.0	2.0	1.7	1.3
72.5°	135.6	31.4	15.4	7.7	6.0	4.0	2.3	1.3	1.0	1.0	0.7
75°	32.1	22.0	11.7	5.7	4.0	2.3	1.3	1.0	0.7	0.7	0.3
77.5°	14.7	17.0	7.7	3.3	2.7	1.7	1.0	0.7	0.3	0.3	0.0
80°	8.3	12.0	3.7	2.3	2.0	1.3	0.7	0.3	0.3	0.0	0.0
82.5°	4.3	6.7	2.7	2.0	1.7	1.0	0.7	0.0	0.0	0.0	0.0
85°	3.0	3.3	2.0	1.7	1.3	1.0	0.7	0.0	0.0	0.0	0.0
87.5°	2.3	2.3	2.0	1.7	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)