

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: P674387

Luminaire Tested: **CCP-SA-2A-727-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674387
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-727-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ AFL distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

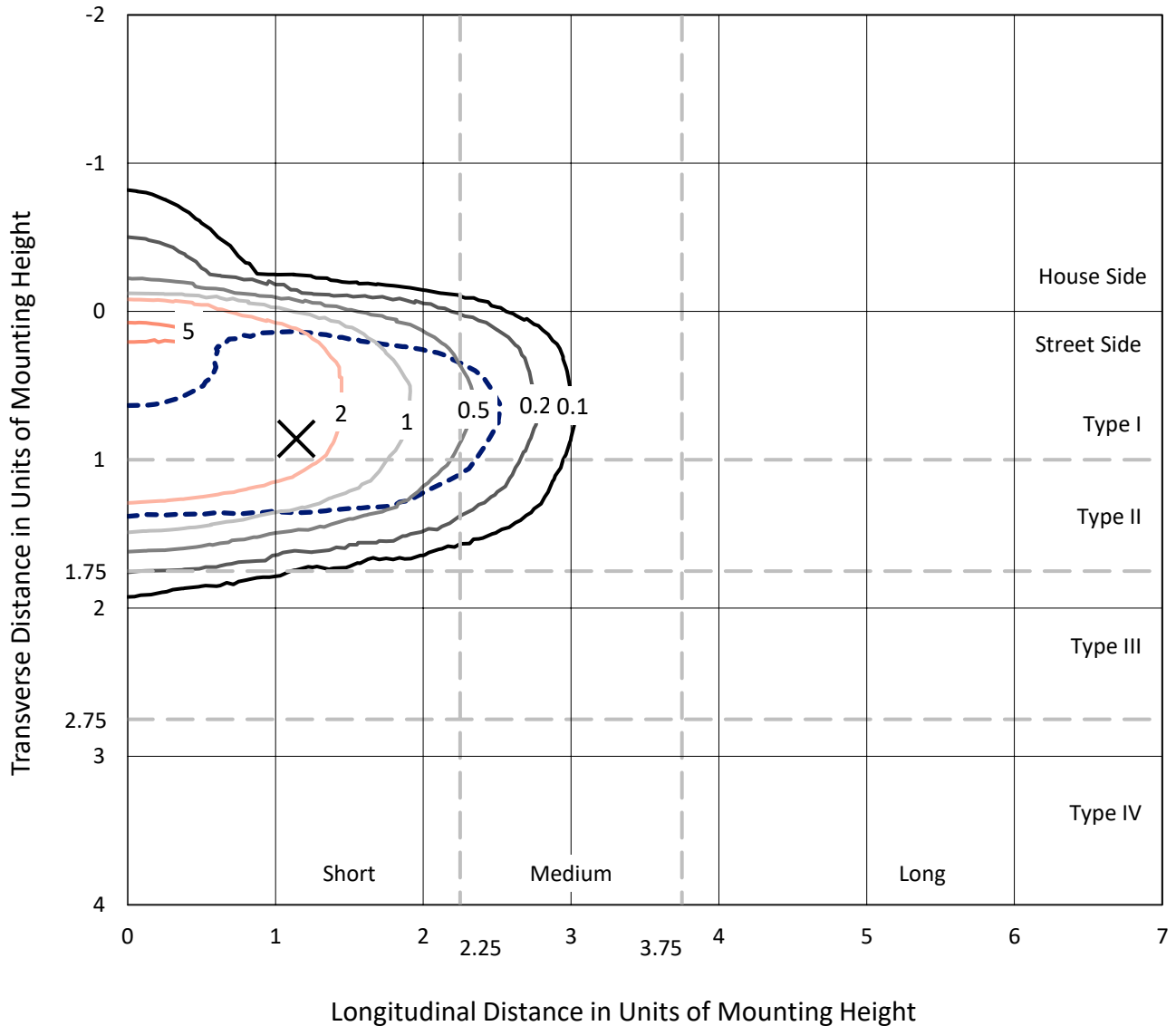
Lumens per Lamp: N/A
Luminaire Lumens: 3794.6 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

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

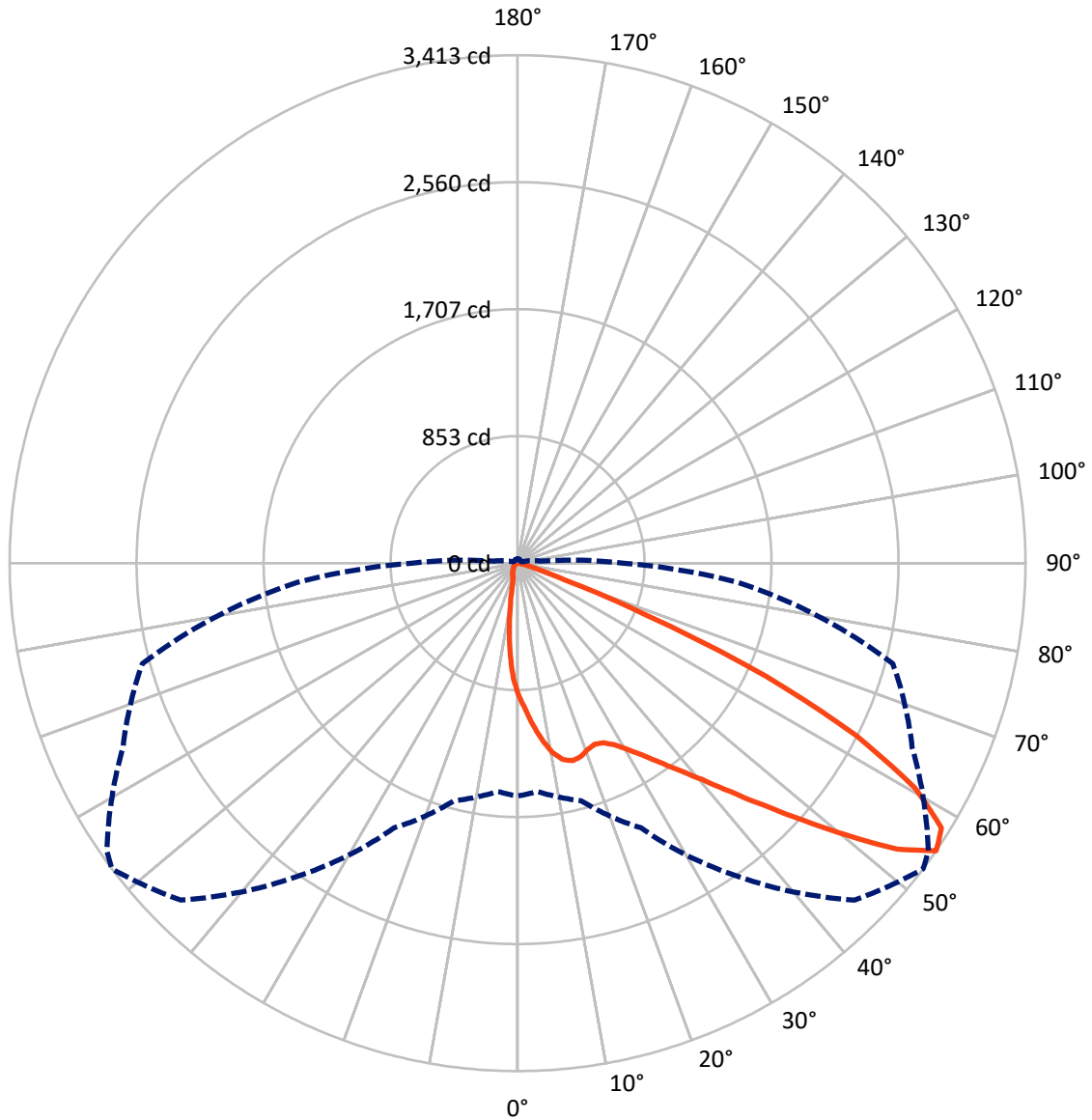
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.7 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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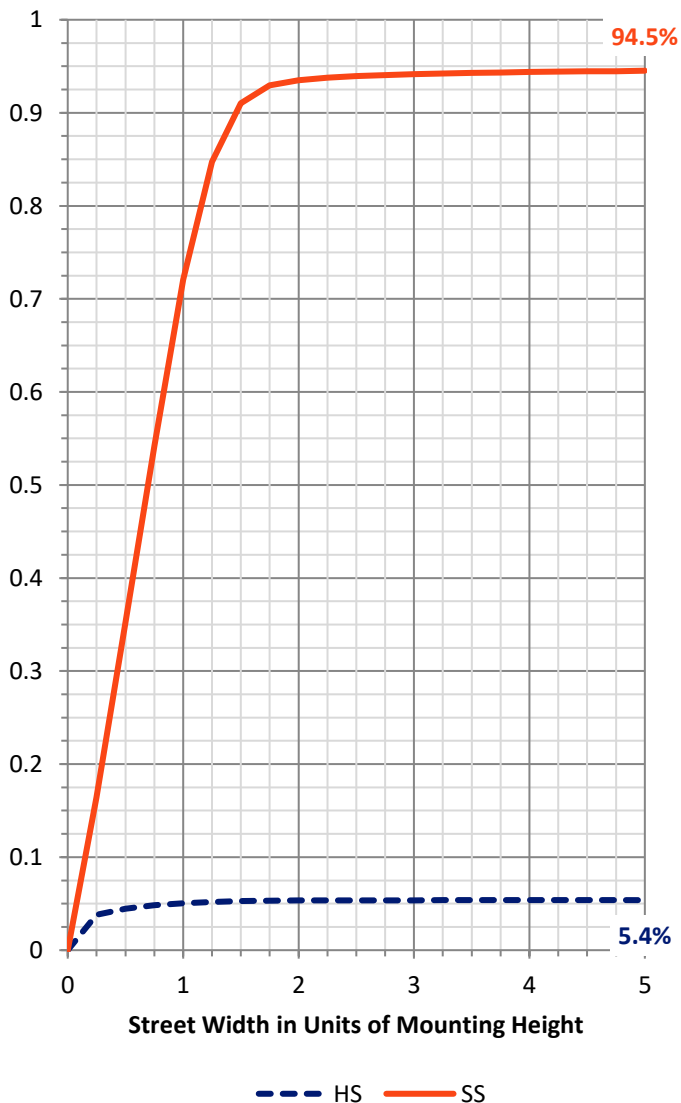
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	205.1	0.0	205.1
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	3589.5	0.0	3589.5
	% Fixture	94.6	0.0	94.6
Total	Lumens	3794.6	0.0	3794.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.4	2.1
10°-20°	207.5	5.5
20°-30°	347.2	9.2
30°-40°	568.1	15.0
40°-50°	913.1	24.1
50°-60°	1031.0	27.2
60°-70°	549.9	14.5
70°-80°	90.4	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°	3794.6	100.0
0°-180°	3794.6	100.0



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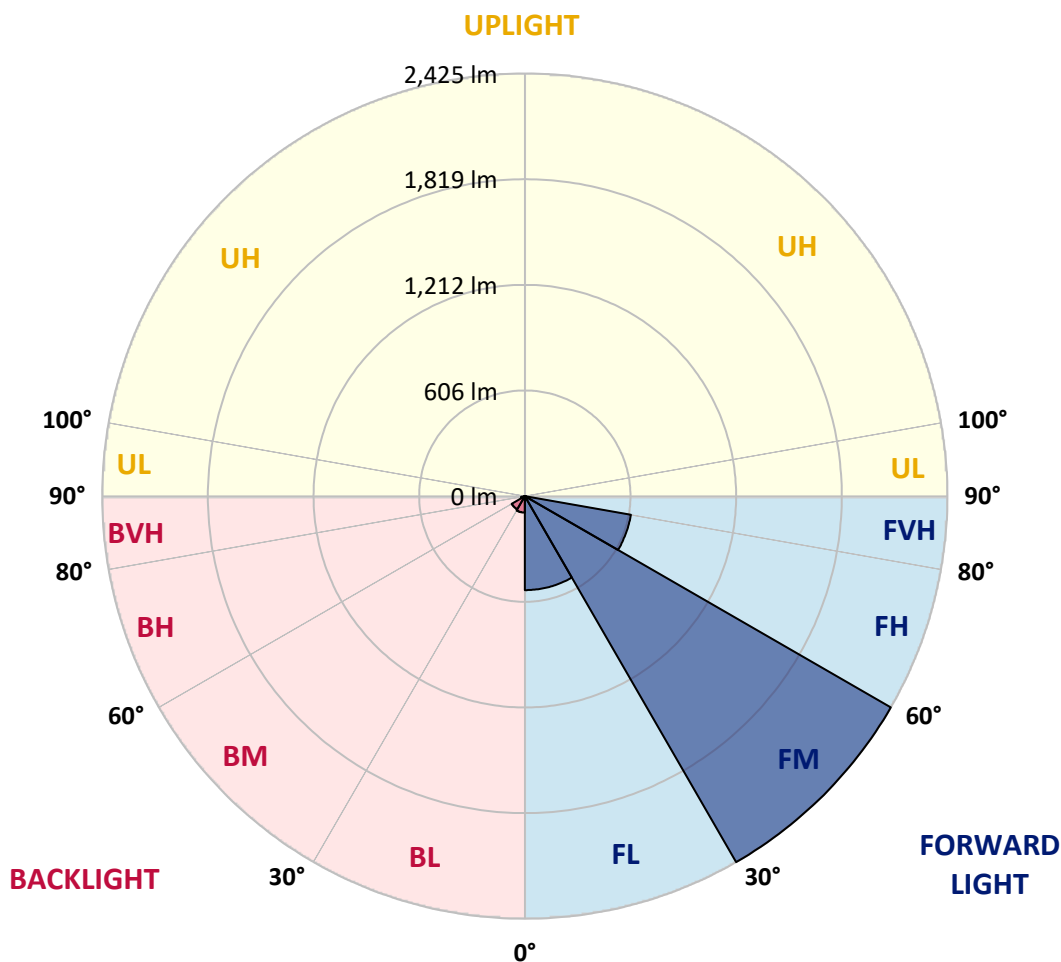
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	539.4	14.2			
FM (30°-60°)	2424.8	63.9			
FH (60°-80°)	617.9	16.3			G0/660
FVH (80°-90°)	7.4	0.2			G0/10
BL (0°-30°)	94.7	2.5	B0/110		
BM (30°-60°)	87.4	2.3	B0/220		
BH (60°-80°)	22.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0
2.5°	1064.9	1058.6	1062.2	1052.6	1035.0	1013.0	980.1	981.8	955.9	933.2	902.0
5°	1240.8	1234.1	1232.1	1207.5	1182.9	1143.4	1094.5	1086.5	1039.0	981.5	916.0
7.5°	1333.5	1327.9	1332.2	1323.2	1299.0	1263.1	1201.2	1195.2	1121.8	1034.6	938.2
10°	1291.0	1289.0	1307.3	1328.6	1348.2	1343.8	1294.3	1285.0	1202.5	1093.2	961.2
12.5°	1176.6	1182.9	1206.2	1245.4	1305.9	1362.8	1354.8	1356.5	1285.0	1156.7	986.4
15°	1109.5	1117.1	1130.4	1150.7	1225.2	1326.2	1377.8	1394.4	1364.1	1227.5	1016.4
17.5°	1103.8	1110.1	1112.1	1119.8	1163.3	1267.4	1368.5	1400.0	1434.6	1294.3	1049.9
20°	1147.4	1150.0	1148.4	1142.7	1158.3	1235.5	1339.2	1384.4	1492.8	1365.5	1079.5
22.5°	1229.5	1225.5	1220.5	1199.6	1198.6	1244.4	1323.2	1370.4	1527.4	1424.3	1099.1
25°	1331.2	1322.9	1315.9	1286.3	1272.4	1291.3	1337.5	1375.4	1558.6	1481.5	1113.1
27.5°	1442.3	1444.9	1427.6	1387.7	1365.8	1361.8	1381.7	1410.0	1588.9	1532.7	1120.8
30°	1561.0	1562.3	1539.7	1498.4	1478.5	1452.9	1451.6	1468.5	1621.5	1591.5	1128.1
32.5°	1696.3	1699.9	1663.0	1620.1	1585.2	1552.0	1535.7	1550.0	1680.0	1668.3	1143.0
35°	1891.8	1875.8	1825.9	1761.1	1711.6	1668.0	1643.1	1652.4	1757.8	1760.4	1173.0
37.5°	2093.2	2091.6	2036.4	1943.0	1861.8	1807.6	1765.1	1780.4	1867.2	1883.8	1220.8
40°	2281.1	2285.4	2237.5	2156.1	2051.7	1958.6	1913.0	1923.3	2012.4	2033.4	1279.0
42.5°	2403.8	2401.4	2405.1	2381.8	2277.1	2167.4	2098.9	2104.5	2181.3	2192.3	1351.8
45°	2460.3	2451.3	2482.6	2556.4	2514.8	2399.4	2321.3	2314.3	2356.6	2353.6	1418.0
47.5°	2411.4	2394.8	2466.6	2644.5	2724.9	2690.0	2578.3	2565.7	2529.8	2505.8	1486.8
50°	2168.4	2161.1	2314.7	2602.6	2856.9	2958.7	2876.5	2829.7	2684.4	2618.2	1523.0
52.5°	1937.3	1917.0	2020.8	2388.8	2798.1	3174.8	3191.7	3108.3	2812.7	2650.5	1510.7
55°	1564.9	1540.0	1653.0	1962.6	2565.0	3202.4	3413.1	3369.6	2925.1	2610.6	1485.8
57.5°	950.5	925.9	1092.2	1405.7	2051.3	2973.0	3358.6	3402.8	3011.5	2566.7	1469.5
60°	399.6	384.0	449.2	670.9	1309.9	2443.3	3069.4	3179.8	3027.8	2506.5	1476.2
62.5°	207.8	200.8	204.5	268.6	529.6	1608.8	2554.7	2746.9	2863.6	2479.9	1482.8
65°	155.9	150.6	139.0	147.6	205.8	695.5	1835.9	2093.2	2507.5	2412.4	1437.9
67.5°	128.0	123.0	114.7	112.0	121.4	241.4	937.2	1271.7	1964.9	2124.8	1277.0
70°	102.1	100.4	97.7	92.8	91.1	117.0	336.1	518.3	1299.3	1498.4	925.6
72.5°	85.1	85.4	82.5	78.1	72.1	75.5	134.0	177.2	628.7	718.5	387.7
75°	71.1	71.1	72.1	66.2	60.2	51.9	74.5	86.4	201.8	165.9	82.8
77.5°	55.9	56.5	60.8	55.9	48.2	32.6	40.6	46.2	59.8	47.9	30.3
80°	44.6	43.9	42.2	50.2	43.2	22.9	19.3	21.3	27.9	22.9	15.0
82.5°	31.3	30.9	29.6	33.9	33.6	17.0	12.6	13.0	17.0	14.6	9.3
85°	7.6	9.0	19.0	16.0	14.0	10.0	7.6	8.3	11.0	9.6	5.0
87.5°	3.3	3.3	8.6	10.3	6.6	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0	888.0
2.5°	891.0	869.4	842.1	813.2	783.6	748.1	725.5	706.8	692.2	680.9	676.9
5°	894.3	852.8	790.9	714.1	636.0	562.9	506.4	464.5	429.9	410.9	402.6
7.5°	894.0	838.8	727.1	598.4	471.4	366.1	291.2	245.0	214.1	201.5	193.8
10°	893.7	820.5	654.3	470.1	315.2	212.1	156.3	130.3	119.0	114.7	114.0
12.5°	903.3	799.6	572.8	346.1	197.8	132.0	108.7	102.7	100.1	98.7	98.4
15°	908.6	780.3	487.1	244.4	133.3	104.4	97.1	94.4	93.4	92.8	92.4
17.5°	914.3	750.4	405.6	176.9	106.7	94.8	90.4	88.8	88.1	88.1	88.1
20°	915.3	718.1	324.8	130.3	94.8	88.4	84.1	82.5	81.5	80.8	80.8
22.5°	908.0	679.9	255.3	105.7	87.8	82.5	77.8	75.1	73.5	73.1	73.1
25°	889.7	625.7	195.8	92.8	82.1	76.5	70.8	67.8	66.5	66.5	66.5
27.5°	863.4	561.9	151.3	82.5	74.8	69.2	64.2	61.5	61.2	60.8	61.2
30°	833.5	500.4	115.7	73.1	66.2	61.5	57.5	56.2	56.9	56.9	57.2
32.5°	803.6	438.9	90.4	65.8	58.5	54.5	52.5	52.5	53.5	53.5	53.5
35°	778.0	378.7	75.8	59.8	53.2	49.9	48.9	49.9	50.5	50.9	50.9
37.5°	763.7	326.8	66.8	54.5	48.9	46.2	45.9	46.9	48.2	49.2	49.5
40°	758.4	286.9	61.5	50.5	44.9	43.2	42.9	44.2	46.5	48.2	48.5
42.5°	758.7	251.7	56.9	46.5	42.2	39.9	39.9	41.9	44.2	45.9	45.9
45°	761.0	221.4	52.2	42.6	39.9	35.9	36.2	38.9	40.6	42.2	42.2
47.5°	763.0	197.2	47.2	38.2	34.6	32.6	33.2	35.2	37.6	40.2	40.2
50°	751.4	179.9	42.2	33.6	30.3	29.6	30.9	32.6	35.9	38.6	38.9
52.5°	723.5	164.2	37.9	29.9	27.3	27.6	29.3	30.3	32.9	33.2	33.6
55°	711.2	156.3	34.6	27.3	24.9	25.9	26.9	27.3	26.6	24.9	24.9
57.5°	708.5	150.9	31.3	24.6	22.9	24.3	23.9	21.9	19.9	18.0	17.6
60°	711.2	143.6	28.6	21.3	20.9	21.3	20.3	16.6	14.0	12.6	12.0
62.5°	695.9	133.0	26.3	18.3	18.3	18.0	15.3	11.3	9.0	8.0	7.6
65°	645.3	112.0	23.9	15.3	15.0	14.3	10.3	7.6	6.0	5.0	4.7
67.5°	545.9	86.8	21.6	12.6	12.0	10.0	6.6	5.0	3.3	3.0	2.7
70°	372.4	53.9	18.3	10.0	9.0	6.3	4.0	3.0	2.0	1.7	1.3
72.5°	135.0	31.3	15.3	7.6	6.0	4.0	2.3	1.3	1.0	1.0	0.7
75°	31.9	21.9	11.6	5.7	4.0	2.3	1.3	1.0	0.7	0.7	0.3
77.5°	14.6	17.0	7.6	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	6.6	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)