

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: P674394

Luminaire Tested: **CCP-SA-1C-730-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674394
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-730-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

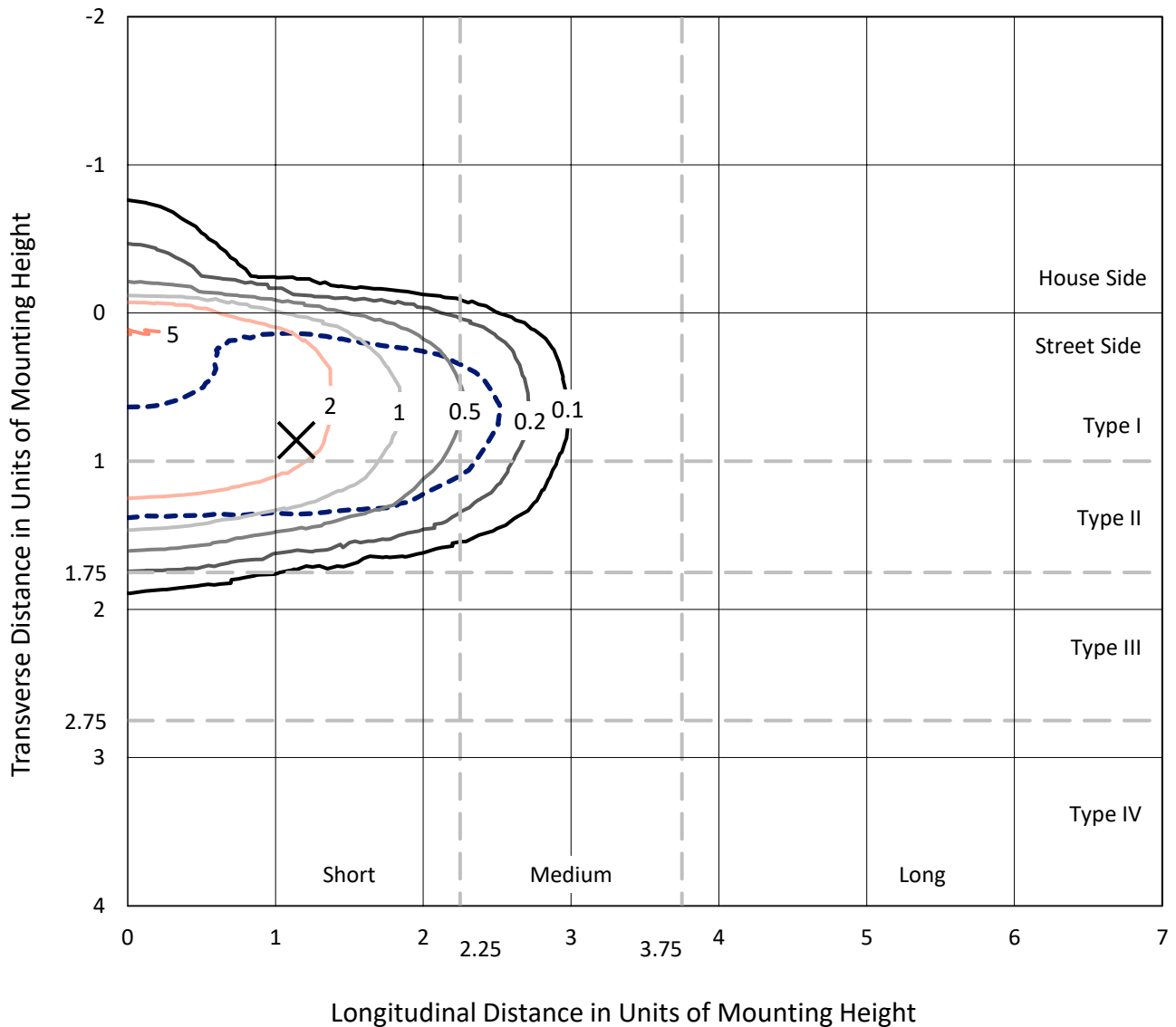
Lumens per Lamp: N/A
Luminaire Lumens: 3414.1 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 32
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

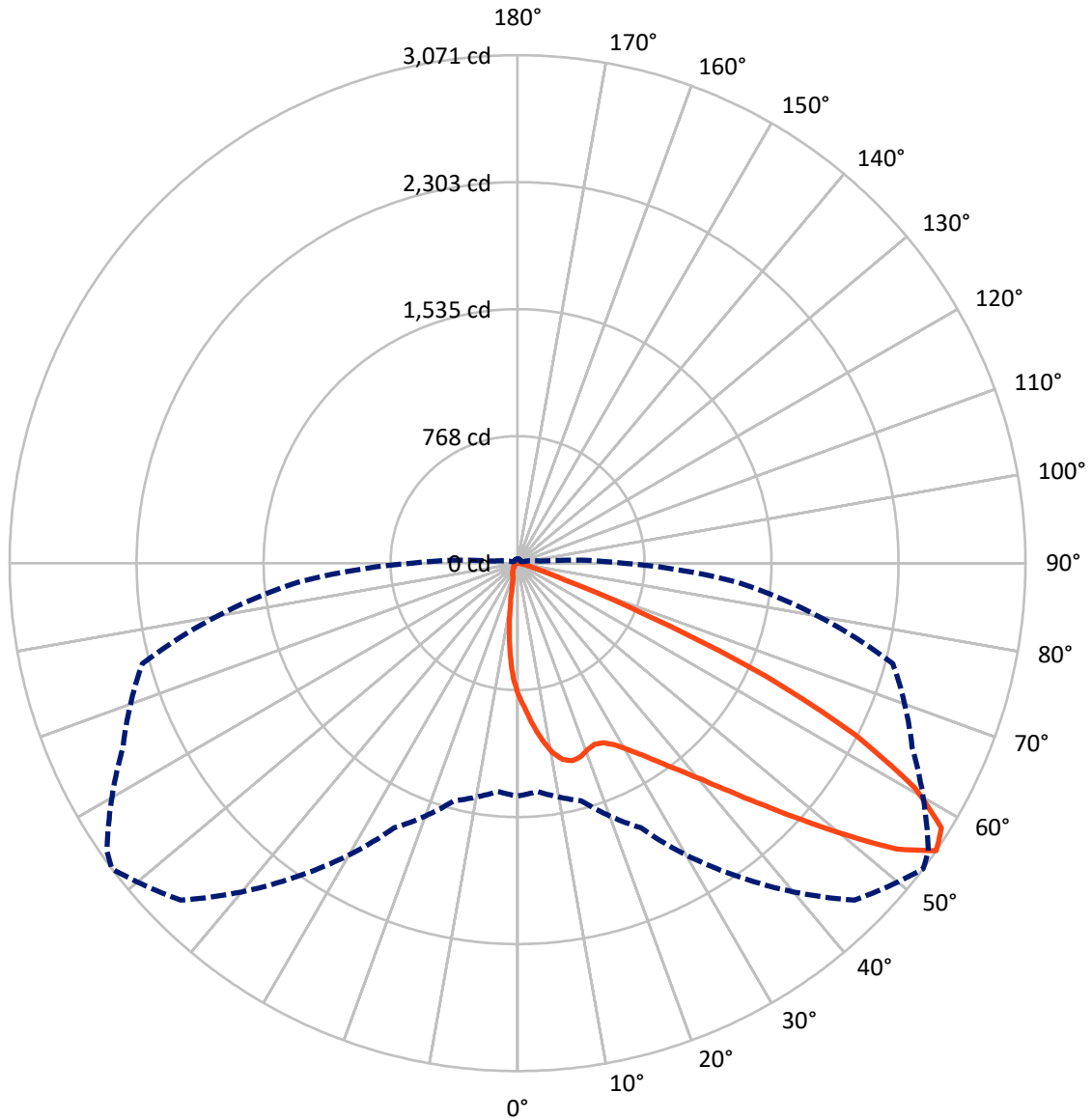
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.2 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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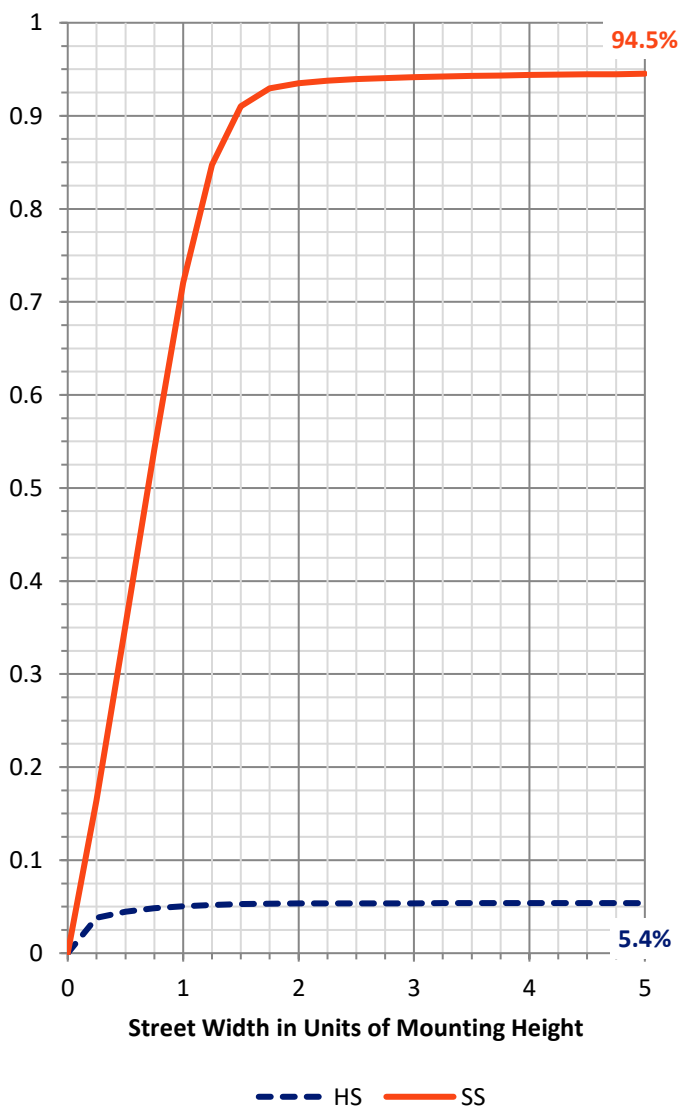
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	184.6	0.0	184.6
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	3229.6	0.0	3229.6
	% Fixture	94.6	0.0	94.6
Total	Lumens	3414.1	0.0	3414.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.4	2.1
10°-20°	186.7	5.5
20°-30°	312.4	9.2
30°-40°	511.1	15.0
40°-50°	821.6	24.1
50°-60°	927.6	27.2
60°-70°	494.8	14.5
70°-80°	81.3	2.4
80°-90°	7.3	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°	3414.1	100.0
0°-180°	3414.1	100.0

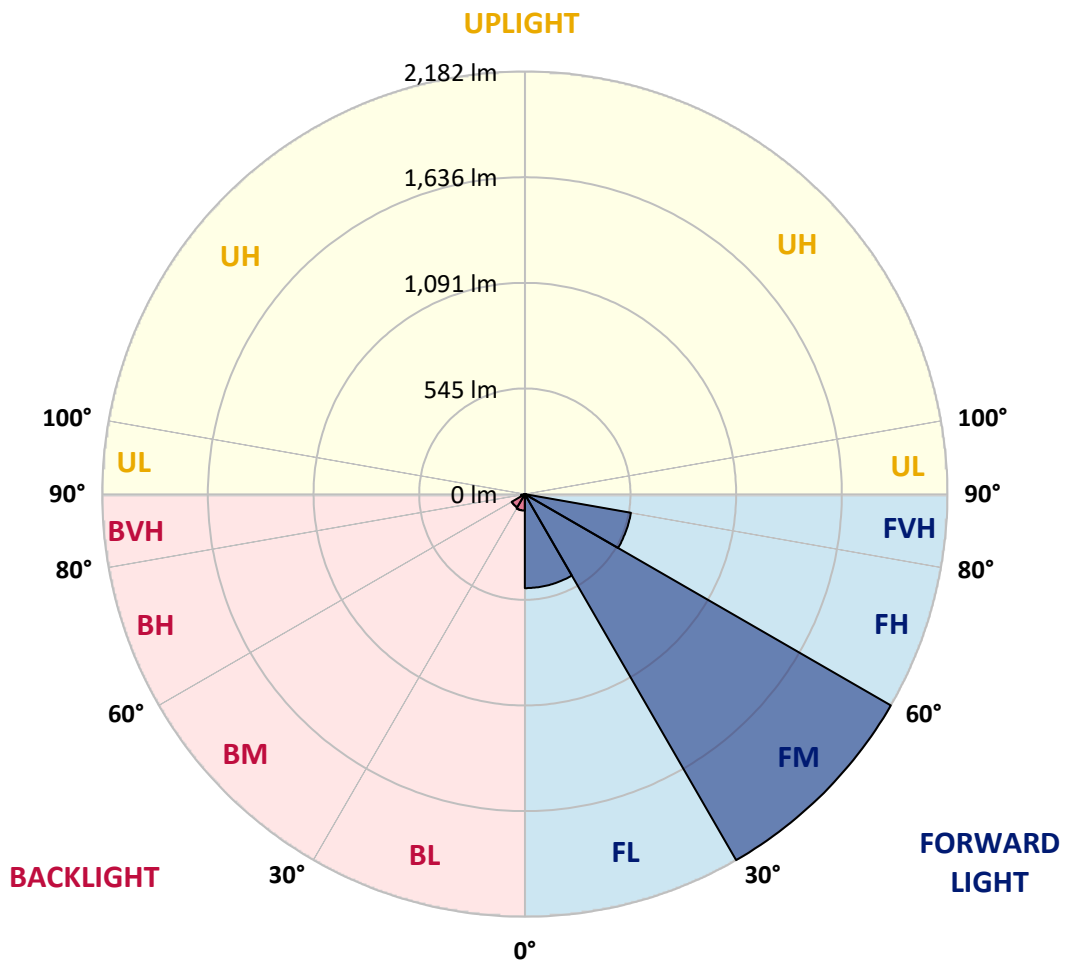


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	485.3	14.2			
FM (30°-60°)	2181.6	63.9			
FH (60°-80°)	555.9	16.3			G0/660
FVH (80°-90°)	6.7	0.2			G0/10
BL (0°-30°)	85.2	2.5	B0/110		
BM (30°-60°)	78.6	2.3	B0/220		
BH (60°-80°)	20.2	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°	799.0	799.0	799.0	799.0	799.0	799.0	799.0	799.0	799.0	799.0	799.0
2.5°	958.1	952.4	955.7	947.1	931.2	911.5	881.8	883.3	860.0	839.7	811.5
5°	1116.4	1110.4	1108.6	1086.4	1064.3	1028.7	984.7	977.6	934.8	883.0	824.1
7.5°	1199.8	1194.7	1198.6	1190.5	1168.7	1136.4	1080.8	1075.4	1009.3	930.9	844.1
10°	1161.5	1159.7	1176.2	1195.3	1213.0	1209.1	1164.5	1156.1	1082.0	983.5	864.8
12.5°	1058.6	1064.3	1085.2	1120.5	1175.0	1226.1	1219.0	1220.5	1156.1	1040.7	887.5
15°	998.2	1005.1	1017.0	1035.3	1102.3	1193.2	1239.6	1254.6	1227.3	1104.4	914.4
17.5°	993.1	998.8	1000.6	1007.5	1046.7	1140.3	1231.2	1259.6	1290.8	1164.5	944.7
20°	1032.3	1034.7	1033.2	1028.1	1042.2	1111.6	1204.9	1245.6	1343.1	1228.5	971.3
22.5°	1106.2	1102.6	1098.1	1079.3	1078.4	1119.6	1190.5	1233.0	1374.2	1281.5	988.9
25°	1197.7	1190.2	1184.0	1157.3	1144.8	1161.8	1203.4	1237.5	1402.3	1332.9	1001.5
27.5°	1297.6	1300.0	1284.5	1248.6	1228.8	1225.2	1243.2	1268.6	1429.5	1379.0	1008.4
30°	1404.4	1405.6	1385.3	1348.2	1330.2	1307.2	1306.0	1321.3	1458.9	1431.9	1015.0
32.5°	1526.2	1529.5	1496.3	1457.7	1426.3	1396.3	1381.7	1394.6	1511.5	1501.0	1028.4
35°	1702.1	1687.7	1642.8	1584.5	1539.9	1500.7	1478.3	1486.7	1581.5	1583.9	1055.3
37.5°	1883.3	1881.8	1832.2	1748.1	1675.1	1626.4	1588.1	1601.8	1679.9	1694.9	1098.4
40°	2052.3	2056.2	2013.2	1939.9	1845.9	1762.2	1721.2	1730.5	1810.6	1829.5	1150.8
42.5°	2162.7	2160.6	2163.9	2143.0	2048.8	1950.0	1888.4	1893.5	1962.6	1972.5	1216.3
45°	2213.6	2205.5	2233.6	2300.0	2262.6	2158.8	2088.5	2082.3	2120.2	2117.6	1275.8
47.5°	2169.6	2154.6	2219.3	2379.3	2451.7	2420.3	2319.8	2308.4	2276.1	2254.6	1337.7
50°	1950.9	1944.4	2082.6	2341.6	2570.4	2662.0	2588.1	2545.9	2415.2	2355.7	1370.3
52.5°	1743.0	1724.8	1818.1	2149.3	2517.5	2856.4	2871.7	2796.6	2530.7	2384.7	1359.3
55°	1408.0	1385.6	1487.3	1765.8	2307.8	2881.2	3070.9	3031.7	2631.8	2348.8	1336.8
57.5°	855.2	833.1	982.6	1264.7	1845.6	2674.8	3021.8	3061.6	2709.5	2309.3	1322.2
60°	359.6	345.5	404.1	603.6	1178.6	2198.3	2761.6	2860.9	2724.2	2255.2	1328.1
62.5°	187.0	180.7	184.0	241.7	476.5	1447.5	2298.5	2471.4	2576.4	2231.2	1334.1
65°	140.3	135.5	125.0	132.8	185.2	625.8	1651.8	1883.3	2256.0	2170.5	1293.7
67.5°	115.2	110.7	103.2	100.8	109.2	217.2	843.3	1144.2	1767.9	1911.7	1149.0
70°	91.8	90.3	87.9	83.5	82.0	105.3	302.4	466.3	1169.0	1348.2	832.8
72.5°	76.6	76.9	74.2	70.3	64.9	67.9	120.5	159.4	565.7	646.4	348.8
75°	64.0	64.0	64.9	59.5	54.1	46.7	67.0	77.8	181.6	149.3	74.5
77.5°	50.3	50.9	54.7	50.3	43.4	29.3	36.5	41.6	53.8	43.1	27.2
80°	40.1	39.5	38.0	45.2	38.9	20.6	17.3	19.1	25.1	20.6	13.5
82.5°	28.1	27.8	26.6	30.5	30.2	15.3	11.4	11.7	15.3	13.2	8.4
85°	6.9	8.1	17.1	14.4	12.6	9.0	6.9	7.5	9.9	8.7	4.5
87.5°	3.0	3.0	7.8	9.3	6.0	3.9	3.0	3.3	5.1	5.1	2.7
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°	799.0	799.0	799.0	799.0	799.0	799.0	799.0	799.0	799.0	799.0	799.0
2.5°	801.7	782.2	757.7	731.7	705.1	673.0	652.7	636.0	622.8	612.6	609.0
5°	804.7	767.3	711.6	642.5	572.2	506.4	455.6	417.9	386.8	369.7	362.2
7.5°	804.4	754.7	654.2	538.4	424.2	329.3	262.0	220.5	192.6	181.3	174.4
10°	804.1	738.3	588.7	423.0	283.6	190.8	140.6	117.3	107.1	103.2	102.6
12.5°	812.7	719.4	515.4	311.4	178.0	118.8	97.8	92.4	90.0	88.8	88.5
15°	817.5	702.1	438.2	219.9	120.0	93.9	87.3	85.0	84.1	83.5	83.2
17.5°	822.6	675.1	364.9	159.1	96.0	85.3	81.4	79.9	79.3	79.3	79.3
20°	823.5	646.1	292.3	117.3	85.3	79.6	75.7	74.2	73.3	72.7	72.7
22.5°	816.9	611.7	229.7	95.1	79.0	74.2	70.0	67.6	66.1	65.8	65.8
25°	800.5	563.0	176.2	83.5	73.9	68.8	63.7	61.0	59.8	59.8	59.8
27.5°	776.8	505.5	136.1	74.2	67.3	62.2	57.7	55.3	55.0	54.7	55.0
30°	749.9	450.2	104.1	65.8	59.5	55.3	51.7	50.6	51.2	51.2	51.5
32.5°	723.0	394.9	81.4	59.2	52.6	49.1	47.3	47.3	48.2	48.2	48.2
35°	700.0	340.7	68.2	53.8	47.9	44.9	44.0	44.9	45.5	45.8	45.8
37.5°	687.1	294.0	60.1	49.1	44.0	41.6	41.3	42.2	43.4	44.3	44.6
40°	682.3	258.2	55.3	45.5	40.4	38.9	38.6	39.8	41.9	43.4	43.7
42.5°	682.6	226.4	51.2	41.9	38.0	35.9	35.9	37.7	39.8	41.3	41.3
45°	684.7	199.2	47.0	38.3	35.9	32.3	32.6	35.0	36.5	38.0	38.0
47.5°	686.5	177.4	42.5	34.4	31.1	29.3	29.9	31.7	33.8	36.2	36.2
50°	676.0	161.8	38.0	30.2	27.2	26.6	27.8	29.3	32.3	34.7	35.0
52.5°	650.9	147.8	34.1	26.9	24.5	24.8	26.3	27.2	29.6	29.9	30.2
55°	639.8	140.6	31.1	24.5	22.4	23.3	24.2	24.5	23.9	22.4	22.4
57.5°	637.4	135.8	28.1	22.1	20.6	21.8	21.5	19.7	17.9	16.2	15.9
60°	639.8	129.2	25.7	19.1	18.8	19.1	18.2	15.0	12.6	11.4	10.8
62.5°	626.1	119.7	23.6	16.5	16.5	16.2	13.8	10.2	8.1	7.2	6.9
65°	580.6	100.8	21.5	13.8	13.5	12.9	9.3	6.9	5.4	4.5	4.2
67.5°	491.2	78.1	19.4	11.4	10.8	9.0	6.0	4.5	3.0	2.7	2.4
70°	335.0	48.5	16.5	9.0	8.1	5.7	3.6	2.7	1.8	1.5	1.2
72.5°	121.4	28.1	13.8	6.9	5.4	3.6	2.1	1.2	0.9	0.9	0.6
75°	28.7	19.7	10.5	5.1	3.6	2.1	1.2	0.9	0.6	0.6	0.3
77.5°	13.2	15.3	6.9	3.0	2.4	1.5	0.9	0.6	0.3	0.3	0.0
80°	7.5	10.8	3.3	2.1	1.8	1.2	0.6	0.3	0.3	0.0	0.0
82.5°	3.9	6.0	2.4	1.8	1.5	0.9	0.6	0.0	0.0	0.0	0.0
85°	2.7	3.0	1.8	1.5	1.2	0.9	0.6	0.0	0.0	0.0	0.0
87.5°	2.1	2.1	1.8	1.5	1.2	0.9	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)