

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: P674471

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674471
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-835-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

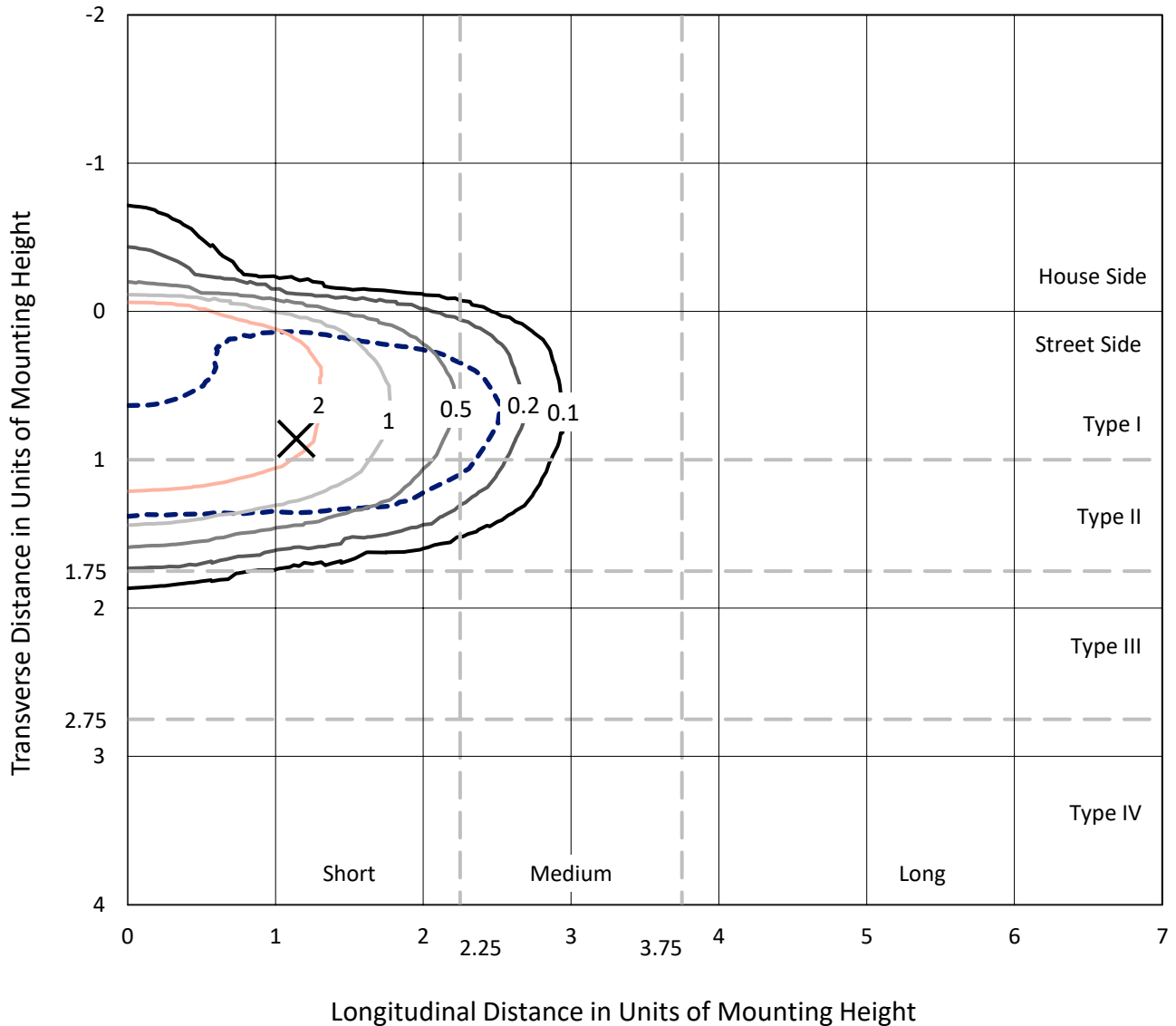
Lumens per Lamp: N/A
Luminaire Lumens: 3089.4 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

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

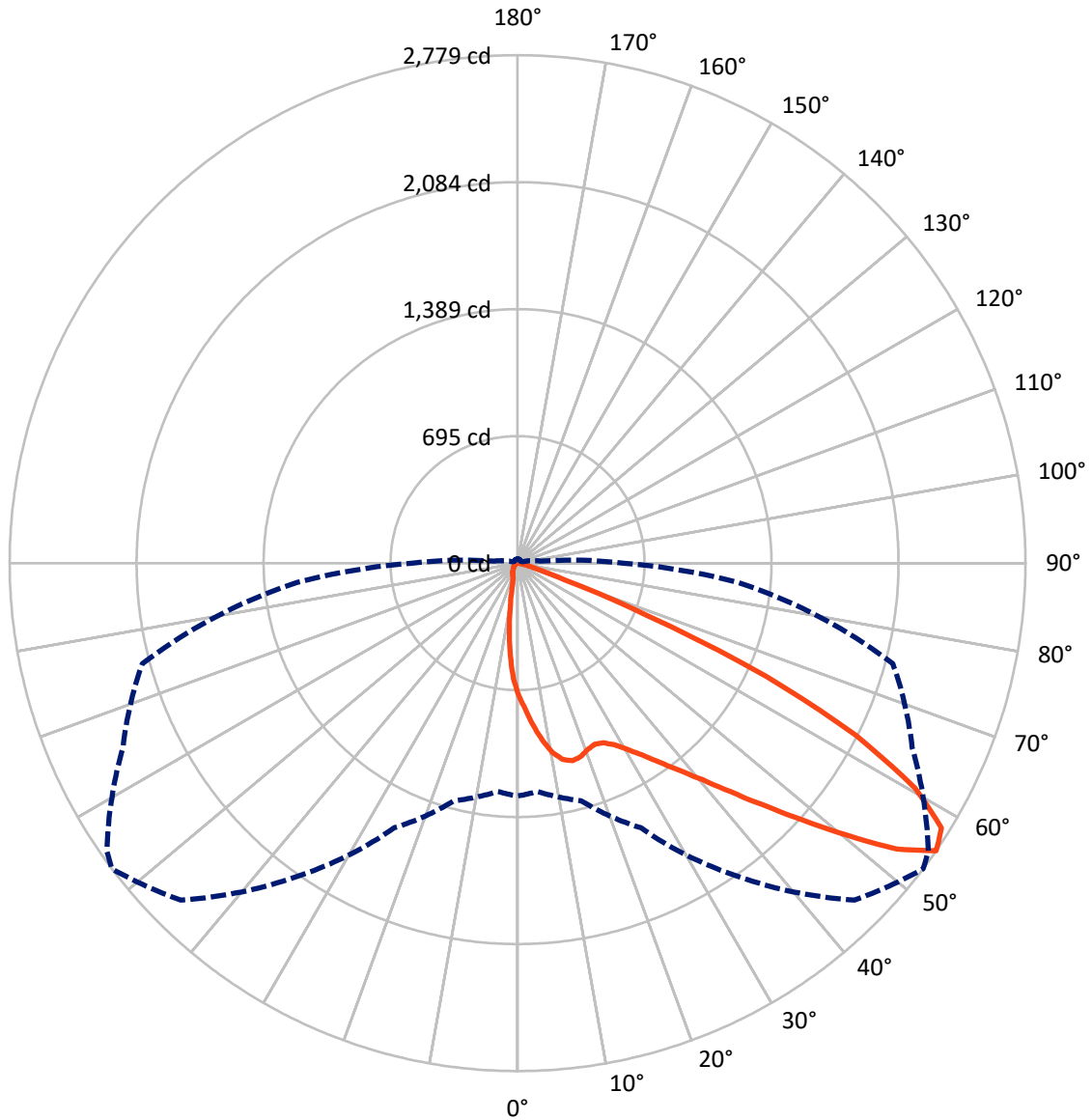
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.7 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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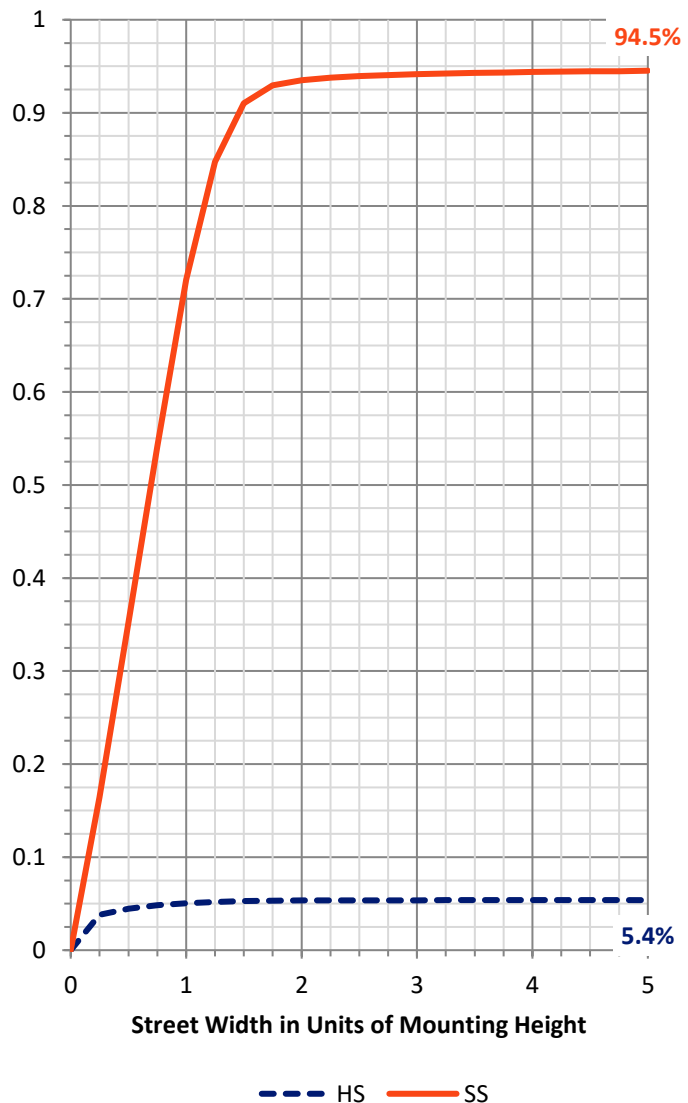
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	167.0	0.0	167.0
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	2922.4	0.0	2922.4
	% Fixture	94.6	0.0	94.6
Total	Lumens	3089.4	0.0	3089.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.6	2.1
10°-20°	168.9	5.5
20°-30°	282.7	9.2
30°-40°	462.5	15.0
40°-50°	743.4	24.1
50°-60°	839.4	27.2
60°-70°	447.7	14.5
70°-80°	73.6	2.4
80°-90°	6.6	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°	3089.4	100.0
0°-180°	3089.4	100.0

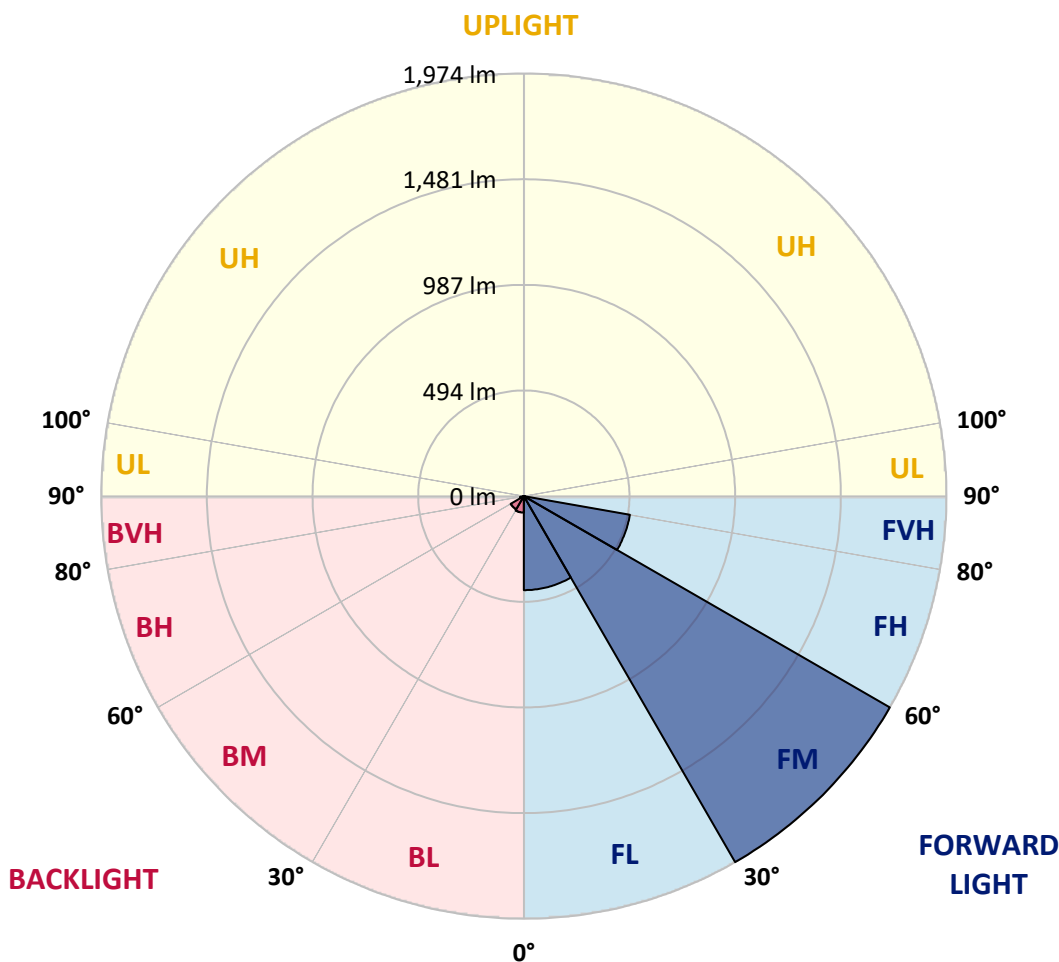


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	439.2	14.2			
FM (30°-60°)	1974.2	63.9			
FH (60°-80°)	503.0	16.3			G0/660
FVH (80°-90°)	6.0	0.2			G0/10
BL (0°-30°)	77.1	2.5	B0/110		
BM (30°-60°)	71.1	2.3	B0/220		
BH (60°-80°)	18.3	0.6	B0/110		G0/110
BVH (80°-90°)	0.5	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°	723.0	723.0	723.0	723.0	723.0	723.0	723.0	723.0	723.0	723.0	723.0
2.5°	867.0	861.9	864.8	857.0	842.6	824.8	798.0	799.3	778.2	759.8	734.4
5°	1010.2	1004.8	1003.2	983.1	963.1	930.9	891.1	884.6	845.9	799.1	745.7
7.5°	1085.7	1081.1	1084.6	1077.3	1057.6	1028.3	978.0	973.1	913.3	842.4	763.9
10°	1051.1	1049.4	1064.3	1081.7	1097.6	1094.1	1053.8	1046.2	979.1	890.0	782.5
12.5°	957.9	963.1	982.0	1014.0	1063.2	1109.5	1103.0	1104.4	1046.2	941.7	803.1
15°	903.3	909.5	920.3	936.8	997.5	1079.8	1121.7	1135.2	1110.6	999.4	827.5
17.5°	898.7	903.8	905.4	911.7	947.1	1031.8	1114.1	1139.8	1168.0	1053.8	854.8
20°	934.1	936.3	934.9	930.3	943.1	1005.9	1090.3	1127.1	1215.4	1111.7	878.9
22.5°	1001.0	997.7	993.7	976.6	975.8	1013.2	1077.3	1115.8	1243.5	1159.6	894.9
25°	1083.8	1077.0	1071.4	1047.3	1035.9	1051.3	1089.0	1119.8	1269.0	1206.2	906.2
27.5°	1174.2	1176.4	1162.3	1129.8	1112.0	1108.7	1125.0	1148.0	1293.6	1247.9	912.5
30°	1270.9	1271.9	1253.5	1220.0	1203.7	1182.9	1181.8	1195.6	1320.1	1295.8	918.4
32.5°	1381.0	1384.0	1354.0	1319.0	1290.6	1263.6	1250.3	1261.9	1367.8	1358.3	930.6
35°	1540.2	1527.2	1486.6	1433.8	1393.5	1358.0	1337.7	1345.3	1431.1	1433.3	955.0
37.5°	1704.2	1702.9	1657.9	1581.9	1515.8	1471.7	1437.1	1449.5	1520.2	1533.7	993.9
40°	1857.2	1860.7	1821.7	1755.4	1670.4	1594.6	1557.5	1565.9	1638.4	1655.5	1041.3
42.5°	1957.0	1955.1	1958.1	1939.2	1853.9	1764.6	1708.8	1713.4	1776.0	1784.9	1100.6
45°	2003.1	1995.7	2021.2	2081.3	2047.4	1953.5	1889.9	1884.2	1918.6	1916.2	1154.5
47.5°	1963.3	1949.7	2008.2	2153.0	2218.5	2190.1	2099.2	2088.9	2059.6	2040.1	1210.5
50°	1765.4	1759.4	1884.5	2118.9	2326.0	2408.8	2342.0	2303.8	2185.5	2131.6	1240.0
52.5°	1577.3	1560.8	1645.2	1944.9	2278.1	2584.8	2598.6	2530.6	2290.0	2157.9	1230.0
55°	1274.1	1253.8	1345.8	1597.8	2088.3	2607.2	2778.8	2743.4	2381.5	2125.4	1209.7
57.5°	773.9	753.9	889.2	1144.4	1670.1	2420.5	2734.4	2770.4	2451.9	2089.7	1196.4
60°	325.4	312.6	365.7	546.2	1066.5	1989.3	2498.9	2588.8	2465.1	2040.7	1201.8
62.5°	169.2	163.5	166.5	218.7	431.2	1309.8	2079.9	2236.4	2331.4	2019.0	1207.2
65°	127.0	122.6	113.1	120.2	167.6	566.3	1494.7	1704.2	2041.5	1964.1	1170.7
67.5°	104.2	100.2	93.4	91.2	98.8	196.5	763.1	1035.4	1599.7	1729.9	1039.7
70°	83.1	81.7	79.6	75.5	74.2	95.3	273.7	422.0	1057.8	1220.0	753.6
72.5°	69.3	69.6	67.1	63.6	58.7	61.4	109.1	144.3	511.9	584.9	315.6
75°	57.9	57.9	58.7	53.9	49.0	42.2	60.6	70.4	164.3	135.1	67.4
77.5°	45.5	46.0	49.5	45.5	39.2	26.5	33.0	37.6	48.7	39.0	24.6
80°	36.3	35.7	34.4	40.9	35.2	18.7	15.7	17.3	22.7	18.7	12.2
82.5°	25.4	25.2	24.1	27.6	27.3	13.8	10.3	10.6	13.8	11.9	7.6
85°	6.2	7.3	15.4	13.0	11.4	8.1	6.2	6.8	8.9	7.8	4.1
87.5°	2.7	2.7	7.0	8.4	5.4	3.5	2.7	3.0	4.6	4.6	2.4
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°	723.0	723.0	723.0	723.0	723.0	723.0	723.0	723.0	723.0	723.0	723.0
2.5°	725.4	707.8	685.6	662.1	638.0	609.0	590.6	575.5	563.6	554.4	551.1
5°	728.1	694.3	644.0	581.4	517.8	458.3	412.3	378.1	350.0	334.6	327.8
7.5°	727.9	682.9	592.0	487.2	383.8	298.0	237.1	199.5	174.3	164.0	157.8
10°	727.6	668.0	532.7	382.7	256.6	172.7	127.2	106.1	96.9	93.4	92.8
12.5°	735.4	651.0	466.4	281.8	161.1	107.5	88.5	83.6	81.5	80.4	80.1
15°	739.8	635.3	396.6	199.0	108.5	85.0	79.0	76.9	76.1	75.5	75.3
17.5°	744.4	610.9	330.2	144.0	86.9	77.1	73.6	72.3	71.7	71.7	71.7
20°	745.2	584.7	264.5	106.1	77.1	72.0	68.5	67.1	66.3	65.8	65.8
22.5°	739.2	553.5	207.9	86.1	71.5	67.1	63.3	61.2	59.8	59.6	59.6
25°	724.3	509.4	159.4	75.5	66.9	62.3	57.7	55.2	54.1	54.1	54.1
27.5°	703.0	457.5	123.2	67.1	60.9	56.3	52.2	50.1	49.8	49.5	49.8
30°	678.6	407.4	94.2	59.6	53.9	50.1	46.8	45.7	46.3	46.3	46.6
32.5°	654.2	357.3	73.6	53.6	47.6	44.4	42.8	42.8	43.6	43.6	43.6
35°	633.4	308.3	61.7	48.7	43.3	40.6	39.8	40.6	41.1	41.4	41.4
37.5°	621.8	266.1	54.4	44.4	39.8	37.6	37.4	38.2	39.2	40.1	40.3
40°	617.4	233.6	50.1	41.1	36.5	35.2	34.9	36.0	37.9	39.2	39.5
42.5°	617.7	204.9	46.3	37.9	34.4	32.5	32.5	34.1	36.0	37.4	37.4
45°	619.6	180.3	42.5	34.6	32.5	29.2	29.5	31.7	33.0	34.4	34.4
47.5°	621.2	160.5	38.4	31.1	28.2	26.5	27.1	28.7	30.6	32.8	32.8
50°	611.7	146.4	34.4	27.3	24.6	24.1	25.2	26.5	29.2	31.4	31.7
52.5°	589.0	133.7	30.9	24.4	22.2	22.5	23.8	24.6	26.8	27.1	27.3
55°	579.0	127.2	28.2	22.2	20.3	21.1	21.9	22.2	21.7	20.3	20.3
57.5°	576.8	122.9	25.4	20.0	18.7	19.8	19.5	17.9	16.2	14.6	14.3
60°	579.0	116.9	23.3	17.3	17.1	17.3	16.5	13.5	11.4	10.3	9.7
62.5°	566.5	108.3	21.4	14.9	14.9	14.6	12.5	9.2	7.3	6.5	6.2
65°	525.4	91.2	19.5	12.5	12.2	11.6	8.4	6.2	4.9	4.1	3.8
67.5°	444.5	70.6	17.6	10.3	9.7	8.1	5.4	4.1	2.7	2.4	2.2
70°	303.2	43.9	14.9	8.1	7.3	5.1	3.2	2.4	1.6	1.4	1.1
72.5°	109.9	25.4	12.5	6.2	4.9	3.2	1.9	1.1	0.8	0.8	0.5
75°	26.0	17.9	9.5	4.6	3.2	1.9	1.1	0.8	0.5	0.5	0.3
77.5°	11.9	13.8	6.2	2.7	2.2	1.4	0.8	0.5	0.3	0.3	0.0
80°	6.8	9.7	3.0	1.9	1.6	1.1	0.5	0.3	0.3	0.0	0.0
82.5°	3.5	5.4	2.2	1.6	1.4	0.8	0.5	0.0	0.0	0.0	0.0
85°	2.4	2.7	1.6	1.4	1.1	0.8	0.5	0.0	0.0	0.0	0.0
87.5°	1.9	1.9	1.6	1.4	1.1	0.8	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)