

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: P674437

Luminaire Tested: **CCP-SA-1B-760-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674437
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-760-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 5700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

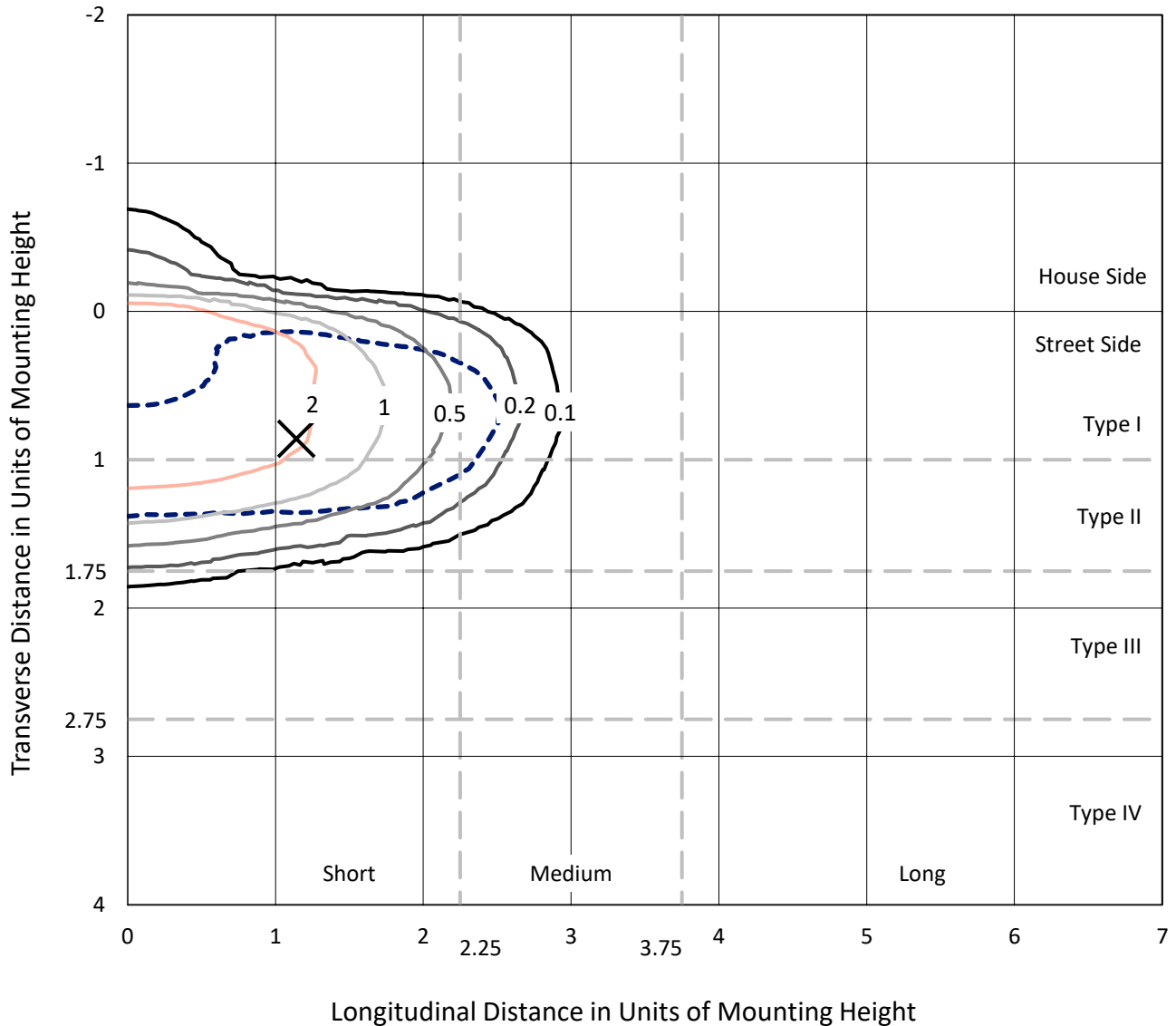
Lumens per Lamp: N/A
Luminaire Lumens: 2929.5 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 24
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

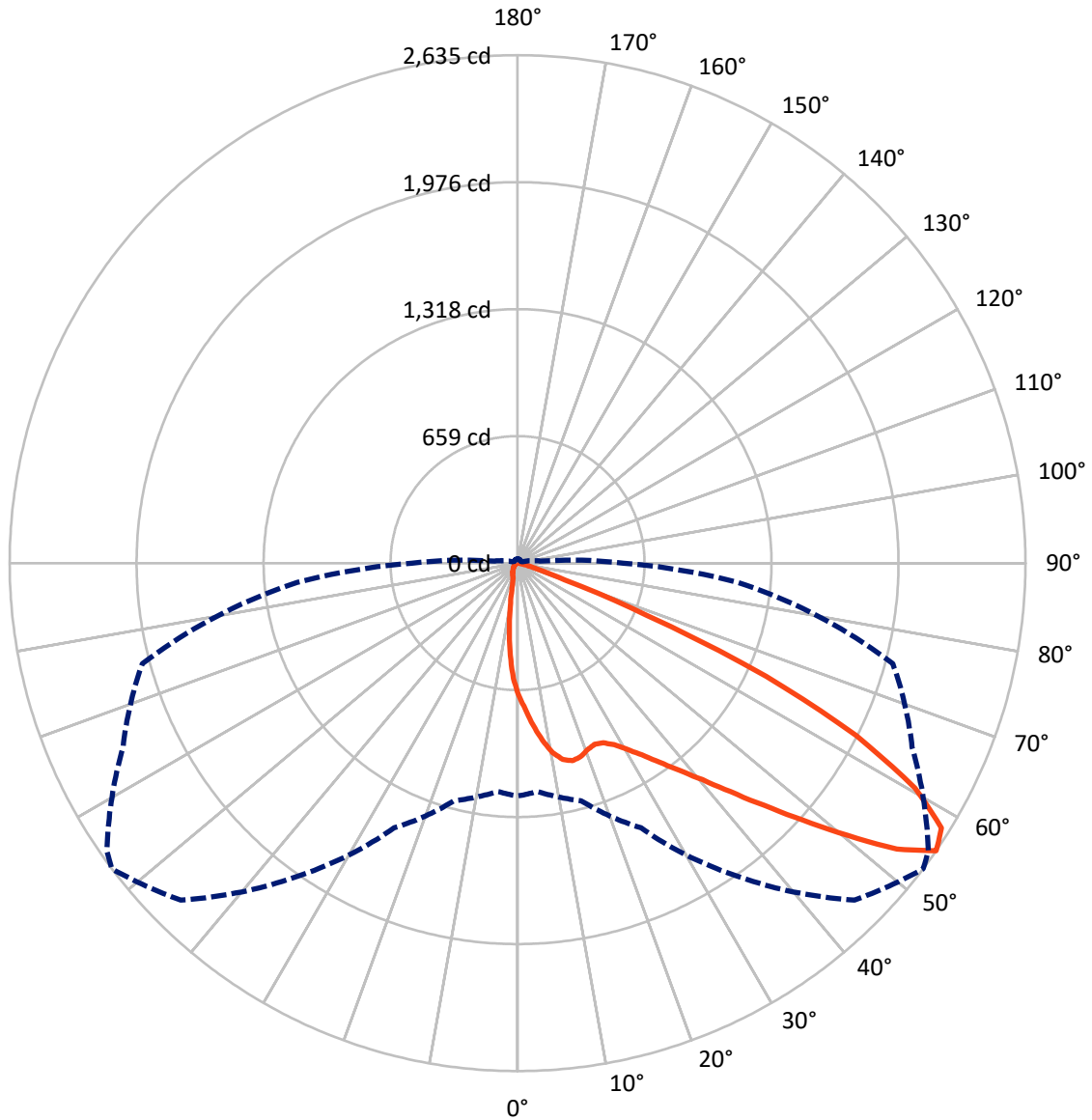
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.4 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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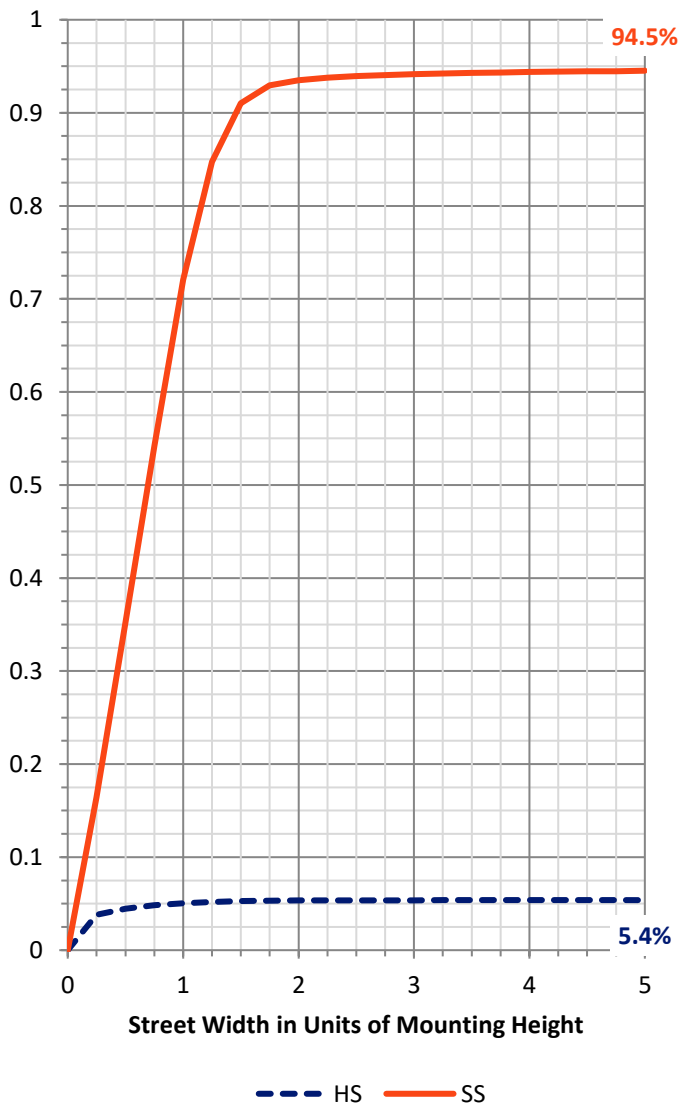
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	158.4	0.0	158.4
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	2771.2	0.0	2771.2
	% Fixture	94.6	0.0	94.6
Total	Lumens	2929.5	0.0	2929.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.3	2.1
10°-20°	160.2	5.5
20°-30°	268.1	9.2
30°-40°	438.6	15.0
40°-50°	705.0	24.1
50°-60°	795.9	27.2
60°-70°	424.6	14.5
70°-80°	69.8	2.4
80°-90°	6.2	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°	2929.5	100.0
0°-180°	2929.5	100.0



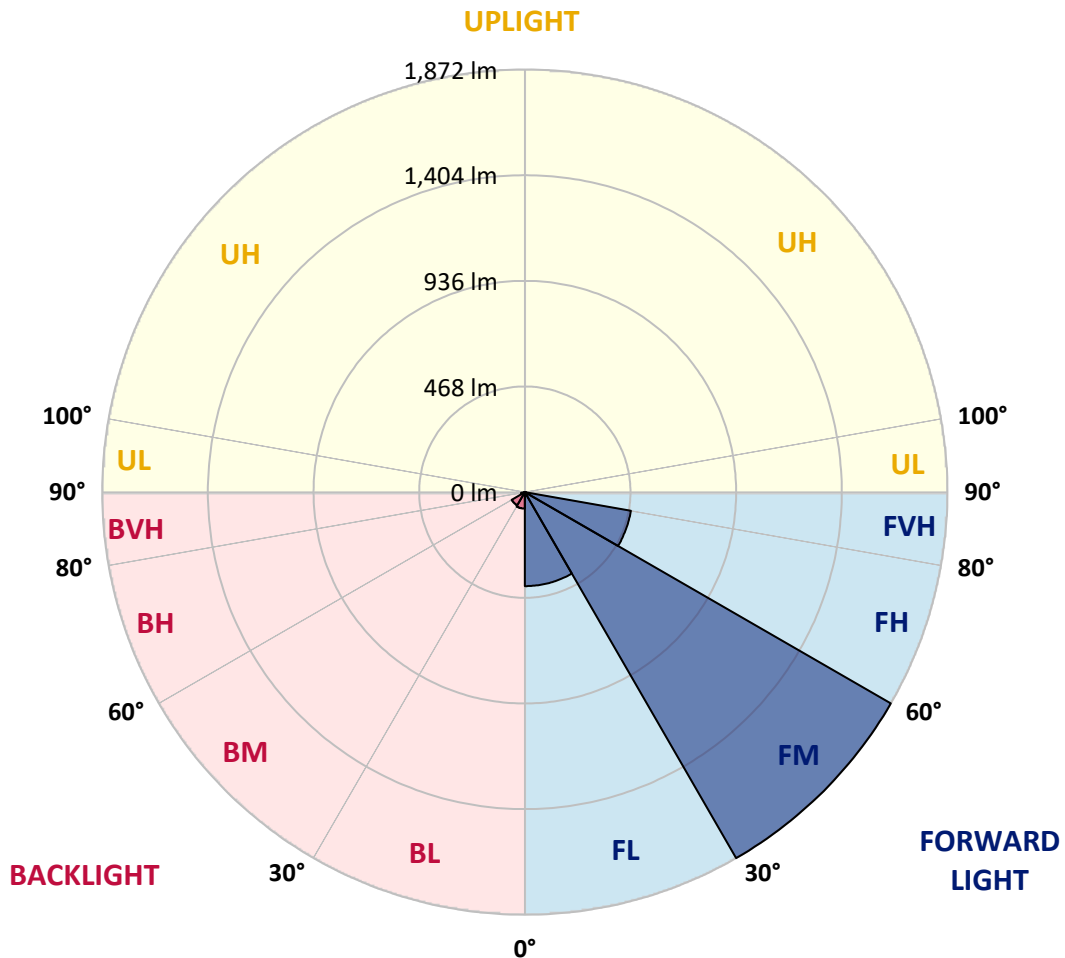
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	416.4	14.2			
FM (30°-60°)	1872.0	63.9			
FH (60°-80°)	477.0	16.3			G0/660
FVH (80°-90°)	5.7	0.2			G0/10
BL (0°-30°)	73.1	2.5	B0/110		
BM (30°-60°)	67.5	2.3	B0/220		
BH (60°-80°)	17.3	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°	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6
2.5°	822.1	817.2	820.1	812.6	799.0	782.1	756.7	758.0	737.9	720.5	696.4
5°	957.9	952.8	951.2	932.2	913.2	882.7	845.0	838.8	802.1	757.7	707.1
7.5°	1029.5	1025.2	1028.5	1021.6	1002.8	975.1	927.4	922.7	866.0	798.8	724.3
10°	996.7	995.1	1009.2	1025.7	1040.8	1037.5	999.2	992.0	928.4	843.9	742.0
12.5°	908.4	913.2	931.2	961.5	1008.2	1052.1	1045.9	1047.2	992.0	893.0	761.5
15°	856.5	862.4	872.7	888.3	945.8	1023.9	1063.7	1076.5	1053.1	947.6	784.6
17.5°	852.2	857.0	858.6	864.5	898.1	978.4	1056.5	1080.9	1107.5	999.2	810.6
20°	885.8	887.8	886.5	882.2	894.2	953.8	1033.9	1068.8	1152.5	1054.2	833.4
22.5°	949.2	946.1	942.2	926.1	925.3	960.7	1021.6	1058.0	1179.2	1099.6	848.6
25°	1027.7	1021.3	1015.9	993.1	982.3	996.9	1032.6	1061.9	1203.3	1143.7	859.3
27.5°	1113.4	1115.5	1102.2	1071.4	1054.4	1051.3	1066.7	1088.6	1226.6	1183.3	865.2
30°	1205.1	1206.1	1188.7	1156.8	1141.4	1121.7	1120.6	1133.7	1251.8	1228.7	870.9
32.5°	1309.5	1312.4	1283.9	1250.8	1223.8	1198.2	1185.6	1196.6	1297.0	1288.0	882.4
35°	1460.5	1448.1	1409.6	1359.6	1321.4	1287.7	1268.5	1275.7	1357.0	1359.1	905.5
37.5°	1616.0	1614.7	1572.1	1500.0	1437.4	1395.5	1362.7	1374.5	1441.5	1454.3	942.5
40°	1761.0	1764.4	1727.4	1664.5	1583.9	1512.1	1476.9	1484.9	1553.6	1569.8	987.4
42.5°	1855.7	1853.9	1856.8	1838.8	1758.0	1673.3	1620.4	1624.7	1684.0	1692.5	1043.6
45°	1899.4	1892.5	1916.6	1973.6	1941.5	1852.4	1792.1	1786.7	1819.3	1817.0	1094.7
47.5°	1861.7	1848.8	1904.3	2041.6	2103.7	2076.7	1990.5	1980.7	1953.0	1934.5	1147.8
50°	1674.0	1668.4	1787.0	2009.2	2205.6	2284.1	2220.7	2184.5	2072.4	2021.3	1175.8
52.5°	1495.6	1480.0	1560.1	1844.2	2160.2	2451.0	2464.1	2399.6	2171.5	2046.2	1166.3
55°	1208.2	1188.9	1276.2	1515.1	1980.2	2472.3	2635.0	2601.4	2258.2	2015.4	1147.1
57.5°	733.8	714.8	843.2	1085.2	1583.7	2295.2	2592.9	2627.0	2324.9	1981.5	1134.5
60°	308.5	296.5	346.8	518.0	1011.3	1886.3	2369.6	2454.8	2337.5	1935.1	1139.6
62.5°	160.4	155.0	157.9	207.4	408.9	1242.0	1972.3	2120.6	2210.7	1914.5	1144.8
65°	120.4	116.3	107.3	114.0	158.9	537.0	1417.3	1616.0	1935.8	1862.4	1110.1
67.5°	98.8	95.0	88.6	86.5	93.7	186.3	723.6	981.8	1516.9	1640.4	985.9
70°	78.8	77.5	75.5	71.6	70.3	90.3	259.5	400.2	1003.1	1156.8	714.6
72.5°	65.7	66.0	63.7	60.3	55.7	58.3	103.4	136.8	485.4	554.7	299.3
75°	54.9	54.9	55.7	51.1	46.5	40.0	57.5	66.7	155.8	128.1	63.9
77.5°	43.1	43.6	47.0	43.1	37.2	25.2	31.3	35.7	46.2	37.0	23.4
80°	34.4	33.9	32.6	38.8	33.4	17.7	14.9	16.4	21.6	17.7	11.6
82.5°	24.1	23.9	22.8	26.2	25.9	13.1	9.8	10.0	13.1	11.3	7.2
85°	5.9	6.9	14.6	12.3	10.8	7.7	5.9	6.4	8.5	7.4	3.9
87.5°	2.6	2.6	6.7	8.0	5.1	3.3	2.6	2.8	4.4	4.4	2.3
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°	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6	685.6
2.5°	687.9	671.2	650.2	627.8	605.0	577.5	560.1	545.7	534.4	525.7	522.6
5°	690.5	658.4	610.6	551.3	491.0	434.5	390.9	358.6	331.9	317.2	310.8
7.5°	690.2	647.6	561.3	462.0	364.0	282.6	224.8	189.2	165.3	155.5	149.6
10°	689.9	633.5	505.1	362.9	243.3	163.8	120.6	100.6	91.9	88.6	88.0
12.5°	697.4	617.3	442.2	267.2	152.7	101.9	83.9	79.3	77.3	76.2	76.0
15°	701.5	602.4	376.0	188.7	102.9	80.6	74.9	72.9	72.1	71.6	71.4
17.5°	705.9	579.3	313.1	136.6	82.4	73.2	69.8	68.5	68.0	68.0	68.0
20°	706.6	554.4	250.8	100.6	73.2	68.3	64.9	63.7	62.9	62.4	62.4
22.5°	701.0	524.9	197.1	81.6	67.8	63.7	60.1	58.0	56.7	56.5	56.5
25°	686.9	483.1	151.2	71.6	63.4	59.0	54.7	52.4	51.3	51.3	51.3
27.5°	666.6	433.8	116.8	63.7	57.8	53.4	49.5	47.5	47.2	47.0	47.2
30°	643.5	386.3	89.3	56.5	51.1	47.5	44.4	43.4	43.9	43.9	44.1
32.5°	620.4	338.8	69.8	50.8	45.2	42.1	40.6	40.6	41.3	41.3	41.3
35°	600.6	292.4	58.5	46.2	41.1	38.5	37.7	38.5	39.0	39.3	39.3
37.5°	589.6	252.3	51.6	42.1	37.7	35.7	35.4	36.2	37.2	38.0	38.2
40°	585.5	221.5	47.5	39.0	34.7	33.4	33.1	34.1	35.9	37.2	37.5
42.5°	585.7	194.3	43.9	35.9	32.6	30.8	30.8	32.3	34.1	35.4	35.4
45°	587.5	170.9	40.3	32.9	30.8	27.7	28.0	30.0	31.3	32.6	32.6
47.5°	589.1	152.2	36.4	29.5	26.7	25.2	25.7	27.2	29.0	31.1	31.1
50°	580.1	138.9	32.6	25.9	23.4	22.8	23.9	25.2	27.7	29.8	30.0
52.5°	558.5	126.8	29.3	23.1	21.0	21.3	22.6	23.4	25.4	25.7	25.9
55°	549.0	120.6	26.7	21.0	19.3	20.0	20.8	21.0	20.5	19.3	19.3
57.5°	547.0	116.5	24.1	19.0	17.7	18.7	18.5	16.9	15.4	13.9	13.6
60°	549.0	110.9	22.1	16.4	16.2	16.4	15.7	12.8	10.8	9.8	9.2
62.5°	537.2	102.7	20.3	14.1	14.1	13.9	11.8	8.7	6.9	6.2	5.9
65°	498.2	86.5	18.5	11.8	11.6	11.0	8.0	5.9	4.6	3.9	3.6
67.5°	421.5	67.0	16.7	9.8	9.2	7.7	5.1	3.9	2.6	2.3	2.1
70°	287.5	41.6	14.1	7.7	6.9	4.9	3.1	2.3	1.5	1.3	1.0
72.5°	104.2	24.1	11.8	5.9	4.6	3.1	1.8	1.0	0.8	0.8	0.5
75°	24.6	16.9	9.0	4.4	3.1	1.8	1.0	0.8	0.5	0.5	0.3
77.5°	11.3	13.1	5.9	2.6	2.1	1.3	0.8	0.5	0.3	0.3	0.0
80°	6.4	9.2	2.8	1.8	1.5	1.0	0.5	0.3	0.3	0.0	0.0
82.5°	3.3	5.1	2.1	1.5	1.3	0.8	0.5	0.0	0.0	0.0	0.0
85°	2.3	2.6	1.5	1.3	1.0	0.8	0.5	0.0	0.0	0.0	0.0
87.5°	1.8	1.8	1.5	1.3	1.0	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)