

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: P674460

Luminaire Tested: **CCP-SA-1C-830-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674460
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1C-830-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, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

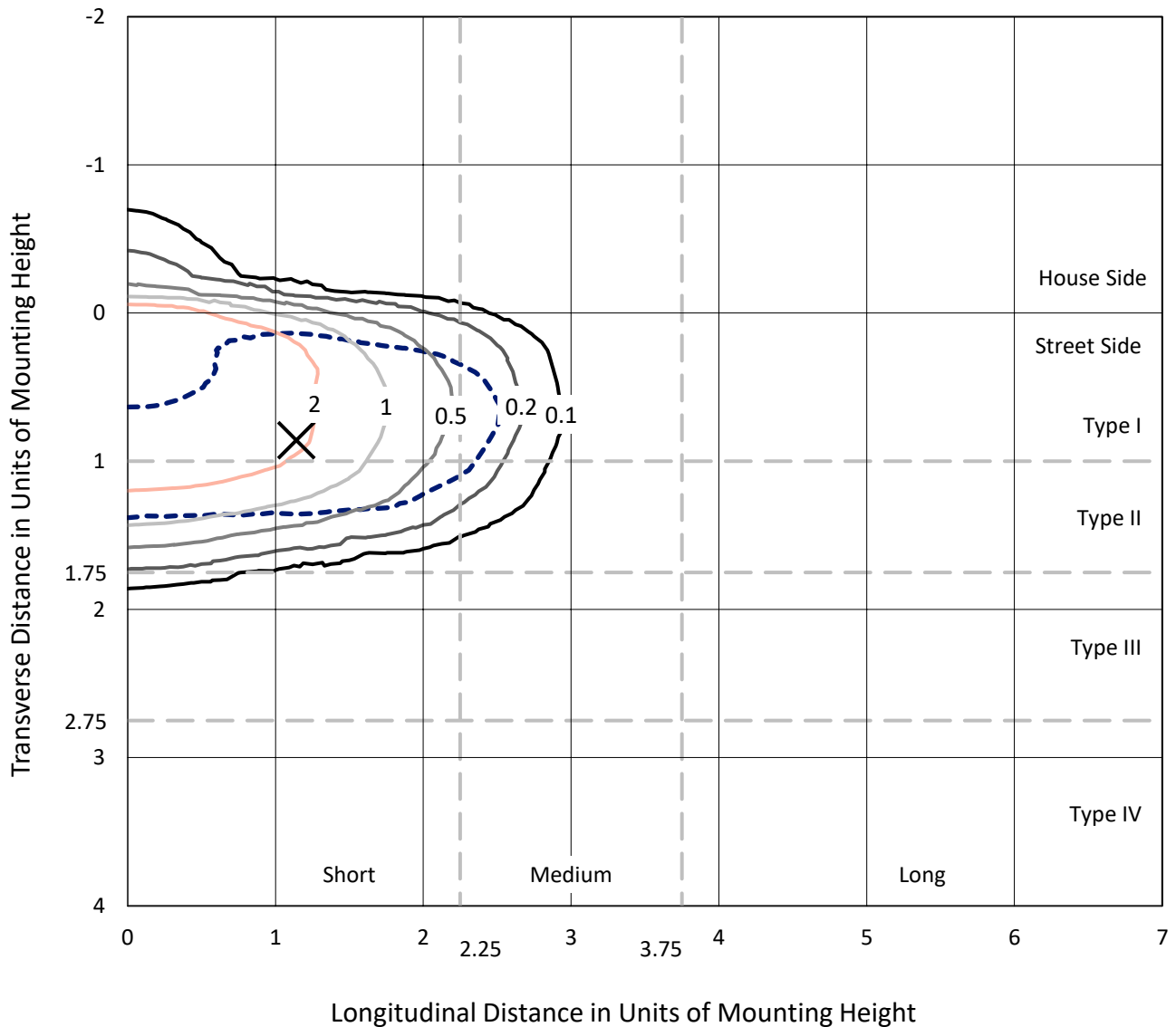
Lumens per Lamp: N/A
Luminaire Lumens: 2979.2 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

Input Watts (W): 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

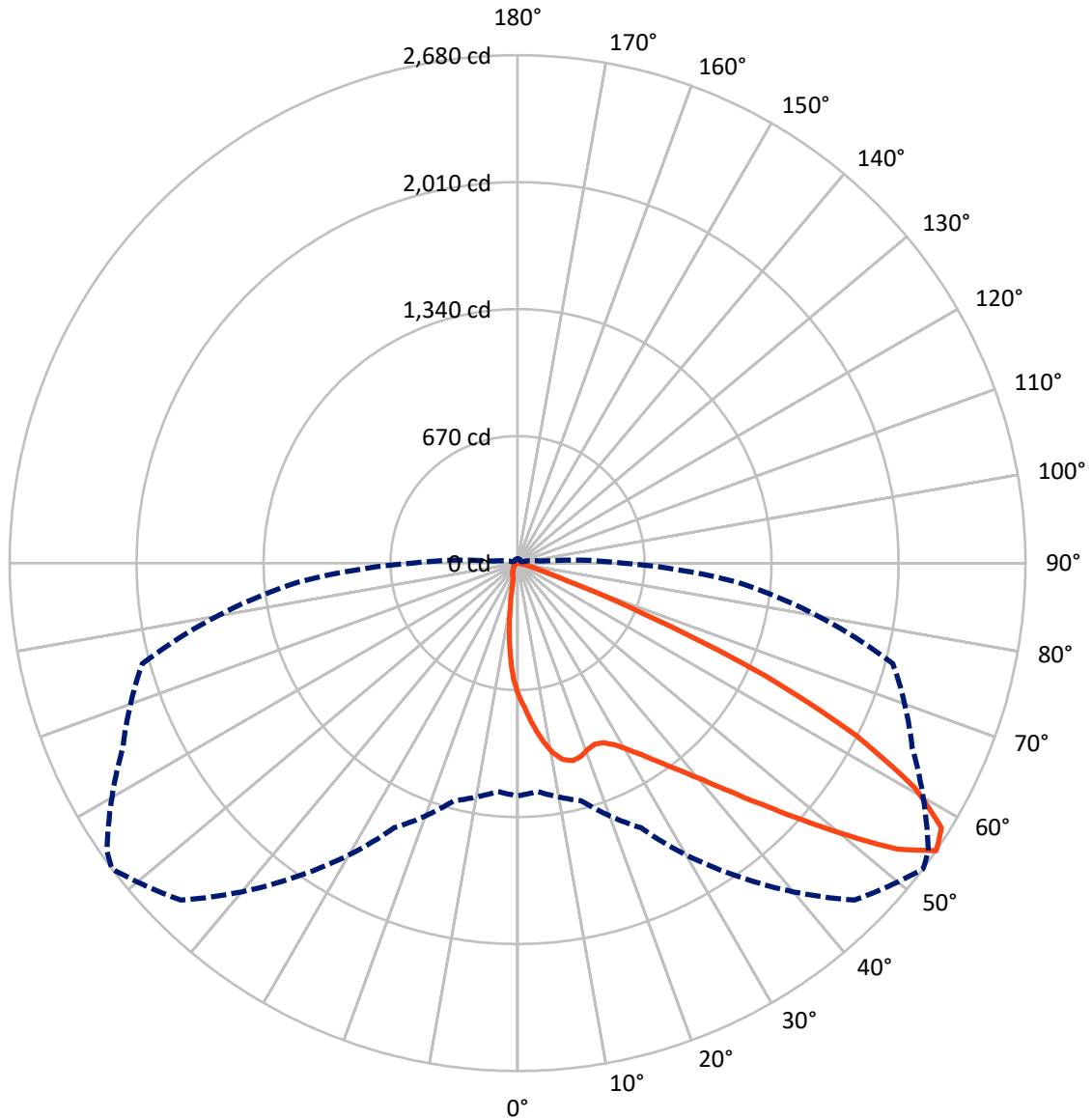
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.5 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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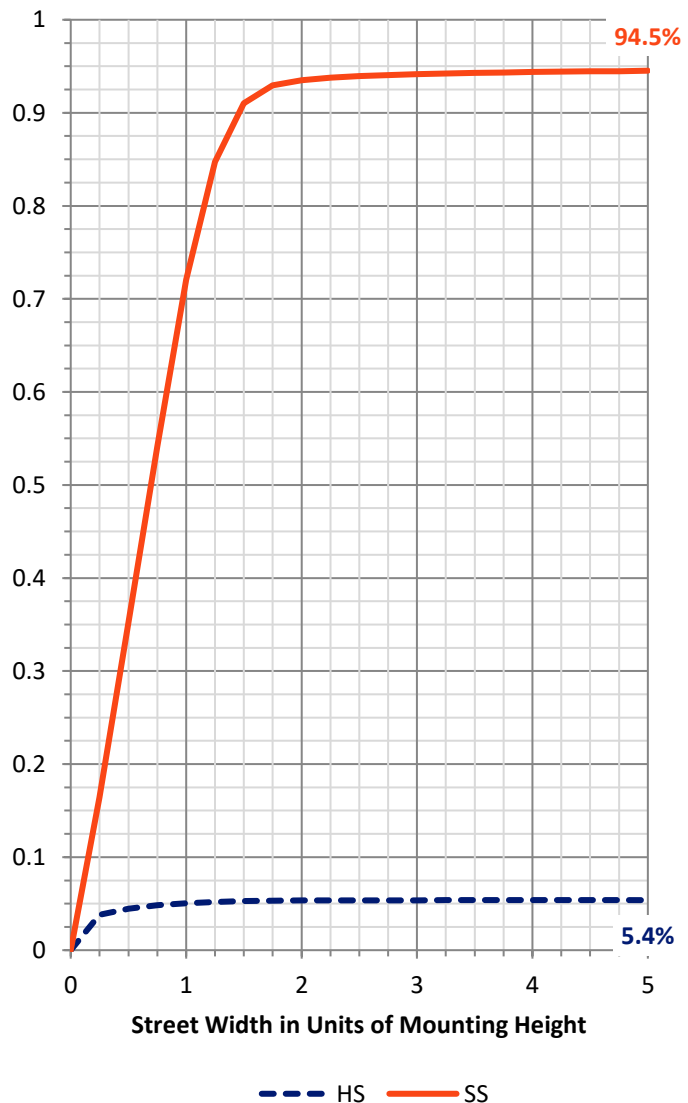
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	161.0	0.0	161.0
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	2818.1	0.0	2818.1
	% Fixture	94.6	0.0	94.6
Total	Lumens	2979.2	0.0	2979.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.3	2.1
10°-20°	162.9	5.5
20°-30°	272.6	9.2
30°-40°	446.0	15.0
40°-50°	716.9	24.1
50°-60°	809.4	27.2
60°-70°	431.7	14.5
70°-80°	70.9	2.4
80°-90°	6.3	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°	2979.2	100.0
0°-180°	2979.2	100.0



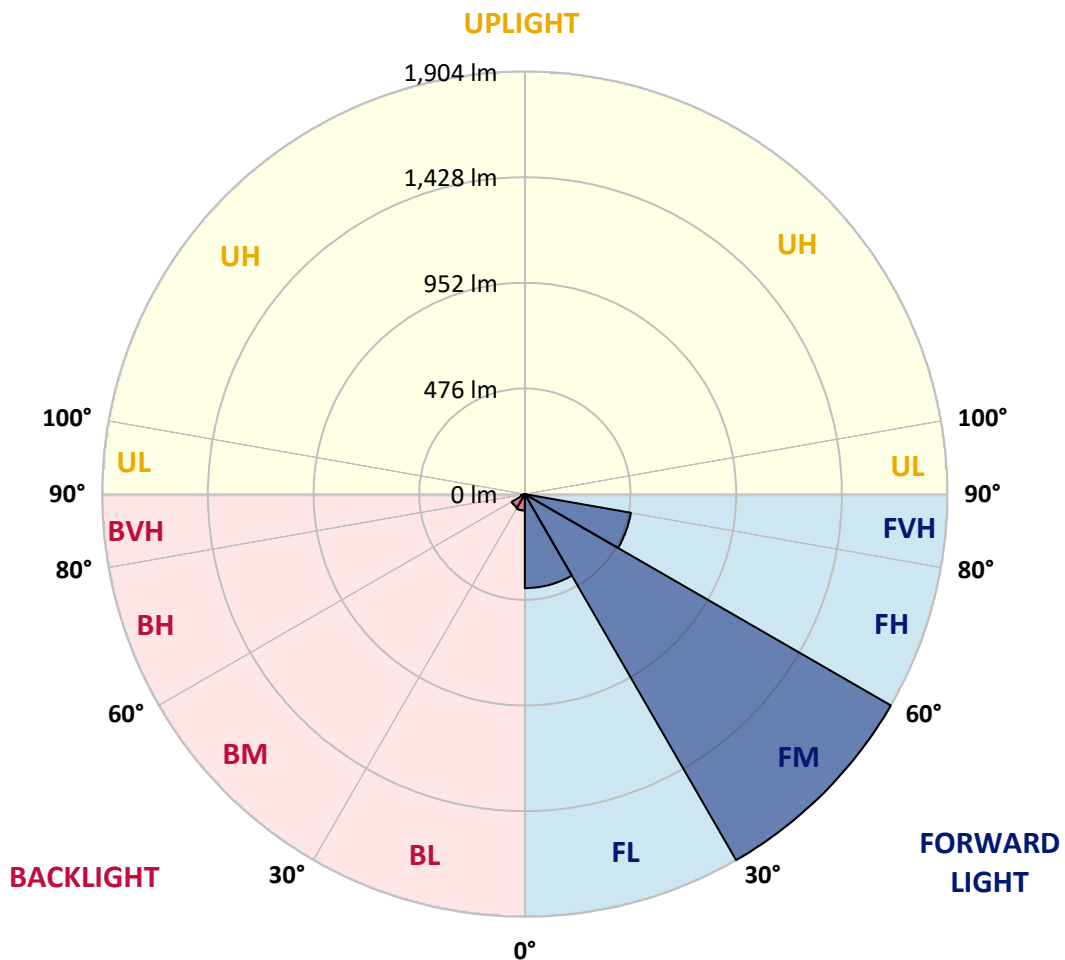
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	423.5	14.2			
FM (30°-60°)	1903.7	63.9			
FH (60°-80°)	485.1	16.3			G0/660
FVH (80°-90°)	5.8	0.2			G0/10
BL (0°-30°)	74.3	2.5	B0/110		
BM (30°-60°)	68.6	2.3	B0/220		
BH (60°-80°)	17.6	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°	697.2	697.2	697.2	697.2	697.2	697.2	697.2	697.2	697.2	697.2	697.2
2.5°	836.1	831.1	834.0	826.4	812.6	795.3	769.5	770.8	750.4	732.7	708.2
5°	974.1	968.9	967.4	948.0	928.7	897.7	859.3	853.0	815.7	770.5	719.1
7.5°	1047.0	1042.5	1045.9	1038.9	1019.8	991.6	943.1	938.4	880.7	812.3	736.6
10°	1013.6	1012.0	1026.4	1043.1	1058.5	1055.1	1016.2	1008.9	944.1	858.3	754.6
12.5°	923.8	928.7	947.0	977.8	1025.3	1069.9	1063.7	1065.0	1008.9	908.1	774.5
15°	871.0	877.0	887.5	903.4	961.9	1041.2	1081.7	1094.7	1071.0	963.7	798.0
17.5°	866.6	871.6	873.1	879.1	913.3	995.0	1074.4	1099.2	1126.3	1016.2	824.3
20°	900.8	902.9	901.6	897.1	909.4	970.0	1051.4	1086.9	1172.0	1072.0	847.6
22.5°	965.3	962.1	958.2	941.8	941.0	977.0	1038.9	1075.9	1199.2	1118.2	863.0
25°	1045.1	1038.6	1033.1	1009.9	998.9	1013.8	1050.1	1079.9	1223.7	1163.1	873.9
27.5°	1132.3	1134.4	1120.8	1089.5	1072.3	1069.2	1084.8	1107.0	1247.4	1203.3	879.9
30°	1225.5	1226.6	1208.8	1176.4	1160.8	1140.7	1139.6	1152.9	1273.0	1249.5	885.7
32.5°	1331.8	1334.6	1305.6	1272.0	1244.6	1218.5	1205.7	1216.9	1319.0	1309.8	897.4
35°	1485.2	1472.7	1433.6	1382.7	1343.8	1309.6	1290.0	1297.3	1380.0	1382.1	920.9
37.5°	1643.4	1642.1	1598.8	1525.4	1461.7	1419.2	1385.8	1397.8	1465.9	1479.0	958.5
40°	1790.9	1794.3	1756.7	1692.8	1610.8	1537.7	1501.9	1510.0	1580.0	1596.4	1004.2
42.5°	1887.2	1885.4	1888.3	1870.0	1787.8	1701.6	1647.9	1652.3	1712.6	1721.2	1061.3
45°	1931.6	1924.5	1949.1	2007.0	1974.4	1883.8	1822.5	1817.0	1850.1	1847.8	1113.3
47.5°	1893.2	1880.2	1936.5	2076.2	2139.4	2112.0	2024.3	2014.3	1986.1	1967.3	1167.3
50°	1702.4	1696.7	1817.3	2043.3	2243.0	2322.9	2258.4	2221.6	2107.5	2055.6	1195.8
52.5°	1521.0	1505.1	1586.5	1875.5	2196.8	2492.5	2505.8	2440.3	2208.3	2080.9	1186.1
55°	1228.6	1209.1	1297.8	1540.8	2013.8	2514.2	2679.7	2645.5	2296.5	2049.6	1166.5
57.5°	746.3	727.0	857.5	1103.6	1610.5	2334.1	2636.9	2671.6	2364.4	2015.1	1153.7
60°	313.8	301.5	352.6	526.7	1028.4	1918.3	2409.8	2496.4	2377.2	1967.9	1159.0
62.5°	163.1	157.7	160.5	210.9	415.8	1263.1	2005.7	2156.6	2248.2	1947.0	1164.2
65°	122.4	118.2	109.1	115.9	161.6	546.1	1441.4	1643.4	1968.7	1894.0	1128.9
67.5°	100.5	96.6	90.1	88.0	95.3	189.5	735.8	998.4	1542.7	1668.2	1002.6
70°	80.1	78.8	76.7	72.8	71.5	91.9	263.9	406.9	1020.1	1176.4	726.7
72.5°	66.8	67.1	64.7	61.3	56.6	59.3	105.2	139.1	493.6	564.1	304.4
75°	55.9	55.9	56.6	51.9	47.2	40.7	58.5	67.9	158.4	130.3	65.0
77.5°	43.9	44.4	47.8	43.9	37.8	25.6	31.8	36.3	47.0	37.6	23.8
80°	35.0	34.5	33.2	39.4	33.9	18.0	15.1	16.7	21.9	18.0	11.7
82.5°	24.5	24.3	23.2	26.6	26.4	13.3	9.9	10.2	13.3	11.5	7.3
85°	6.0	7.0	14.9	12.5	11.0	7.8	6.0	6.5	8.6	7.6	3.9
87.5°	2.6	2.6	6.8	8.1	5.2	3.4	2.6	2.9	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°	697.2	697.2	697.2	697.2	697.2	697.2	697.2	697.2	697.2	697.2	697.2
2.5°	699.5	682.6	661.2	638.5	615.2	587.3	569.6	554.9	543.5	534.6	531.4
5°	702.2	669.5	621.0	560.7	499.3	441.9	397.5	364.7	337.5	322.6	316.1
7.5°	701.9	658.6	570.9	469.8	370.1	287.4	228.7	192.4	168.1	158.2	152.2
10°	701.6	644.2	513.7	369.1	247.5	166.5	122.7	102.3	93.4	90.1	89.5
12.5°	709.2	627.8	449.7	271.7	155.3	103.6	85.4	80.7	78.6	77.5	77.3
15°	713.4	612.6	382.4	191.9	104.7	82.0	76.2	74.1	73.3	72.8	72.6
17.5°	717.8	589.1	318.5	138.9	83.8	74.4	71.0	69.7	69.2	69.2	69.2
20°	718.6	563.8	255.0	102.3	74.4	69.4	66.0	64.7	64.0	63.4	63.4
22.5°	712.9	533.8	200.5	83.0	68.9	64.7	61.1	59.0	57.7	57.4	57.4
25°	698.5	491.3	153.7	72.8	64.5	60.0	55.6	53.2	52.2	52.2	52.2
27.5°	677.9	441.1	118.8	64.7	58.7	54.3	50.4	48.3	48.0	47.8	48.0
30°	654.4	392.8	90.8	57.4	51.9	48.3	45.2	44.1	44.6	44.6	44.9
32.5°	630.9	344.6	71.0	51.7	45.9	42.8	41.2	41.2	42.0	42.0	42.0
35°	610.8	297.3	59.5	47.0	41.8	39.2	38.4	39.2	39.7	39.9	39.9
37.5°	599.6	256.6	52.5	42.8	38.4	36.3	36.0	36.8	37.8	38.6	38.9
40°	595.4	225.3	48.3	39.7	35.2	33.9	33.7	34.7	36.5	37.8	38.1
42.5°	595.7	197.6	44.6	36.5	33.2	31.3	31.3	32.9	34.7	36.0	36.0
45°	597.5	173.8	41.0	33.4	31.3	28.2	28.5	30.5	31.8	33.2	33.2
47.5°	599.1	154.8	37.1	30.0	27.1	25.6	26.1	27.7	29.5	31.6	31.6
50°	589.9	141.2	33.2	26.4	23.8	23.2	24.3	25.6	28.2	30.3	30.5
52.5°	568.0	128.9	29.8	23.5	21.4	21.7	23.0	23.8	25.8	26.1	26.4
55°	558.3	122.7	27.1	21.4	19.6	20.4	21.1	21.4	20.9	19.6	19.6
57.5°	556.2	118.5	24.5	19.3	18.0	19.1	18.8	17.2	15.7	14.1	13.8
60°	558.3	112.8	22.4	16.7	16.4	16.7	15.9	13.1	11.0	9.9	9.4
62.5°	546.3	104.4	20.6	14.4	14.4	14.1	12.0	8.9	7.0	6.3	6.0
65°	506.7	88.0	18.8	12.0	11.7	11.2	8.1	6.0	4.7	3.9	3.7
67.5°	428.6	68.1	17.0	9.9	9.4	7.8	5.2	3.9	2.6	2.3	2.1
70°	292.3	42.3	14.4	7.8	7.0	5.0	3.1	2.3	1.6	1.3	1.0
72.5°	106.0	24.5	12.0	6.0	4.7	3.1	1.8	1.0	0.8	0.8	0.5
75°	25.1	17.2	9.1	4.4	3.1	1.8	1.0	0.8	0.5	0.5	0.3
77.5°	11.5	13.3	6.0	2.6	2.1	1.3	0.8	0.5	0.3	0.3	0.0
80°	6.5	9.4	2.9	1.8	1.6	1.0	0.5	0.3	0.3	0.0	0.0
82.5°	3.4	5.2	2.1	1.6	1.3	0.8	0.5	0.0	0.0	0.0	0.0
85°	2.3	2.6	1.6	1.3	1.0	0.8	0.5	0.0	0.0	0.0	0.0
87.5°	1.8	1.8	1.6	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)