

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: P674382

Luminaire Tested: **CCP-SA-1B-727-U-AFL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674382
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-727-U-AFL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ AFL distribution lens and House Side Shield
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

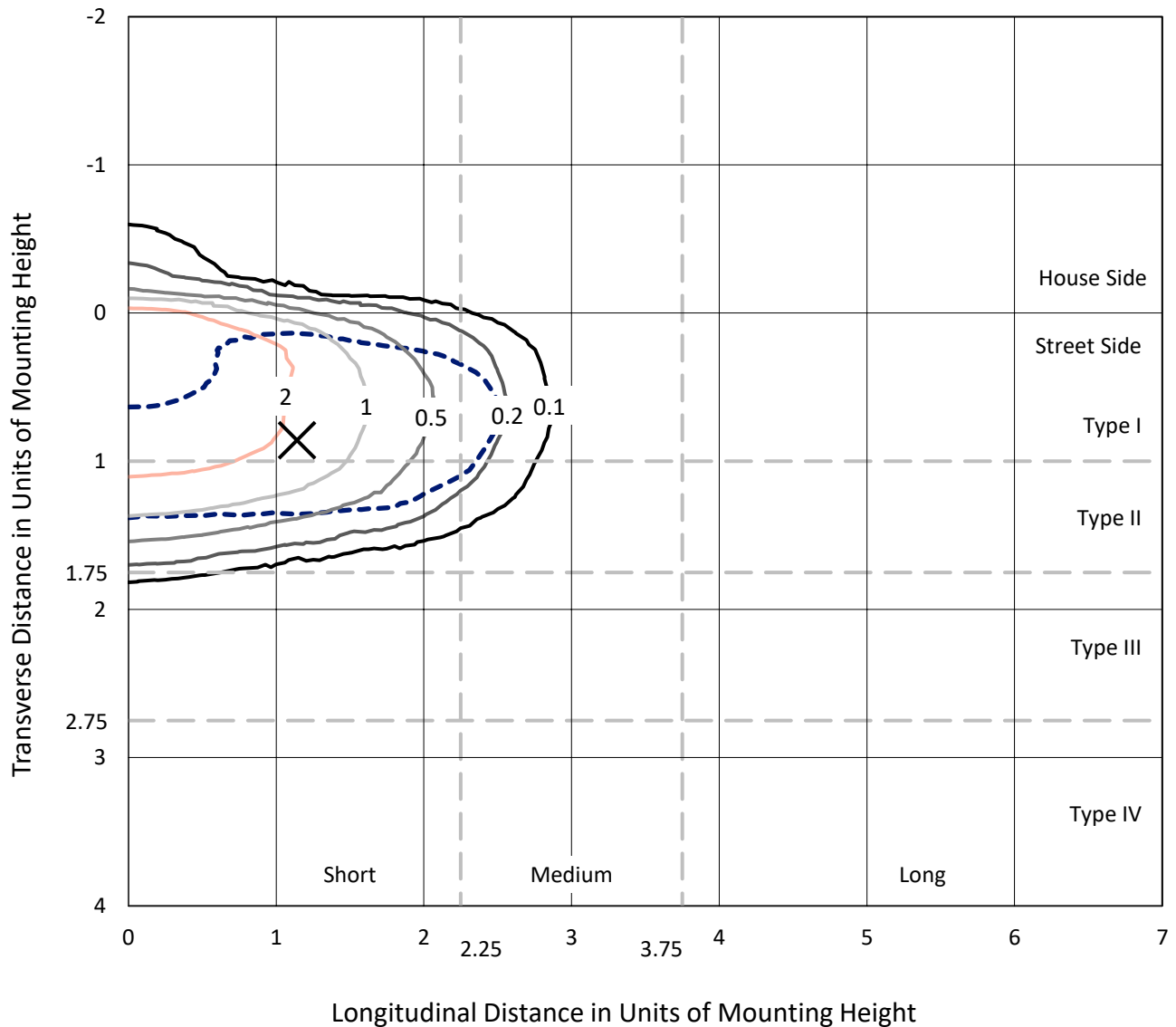
Lumens per Lamp: N/A
Luminaire Lumens: 2395.1 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G0

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

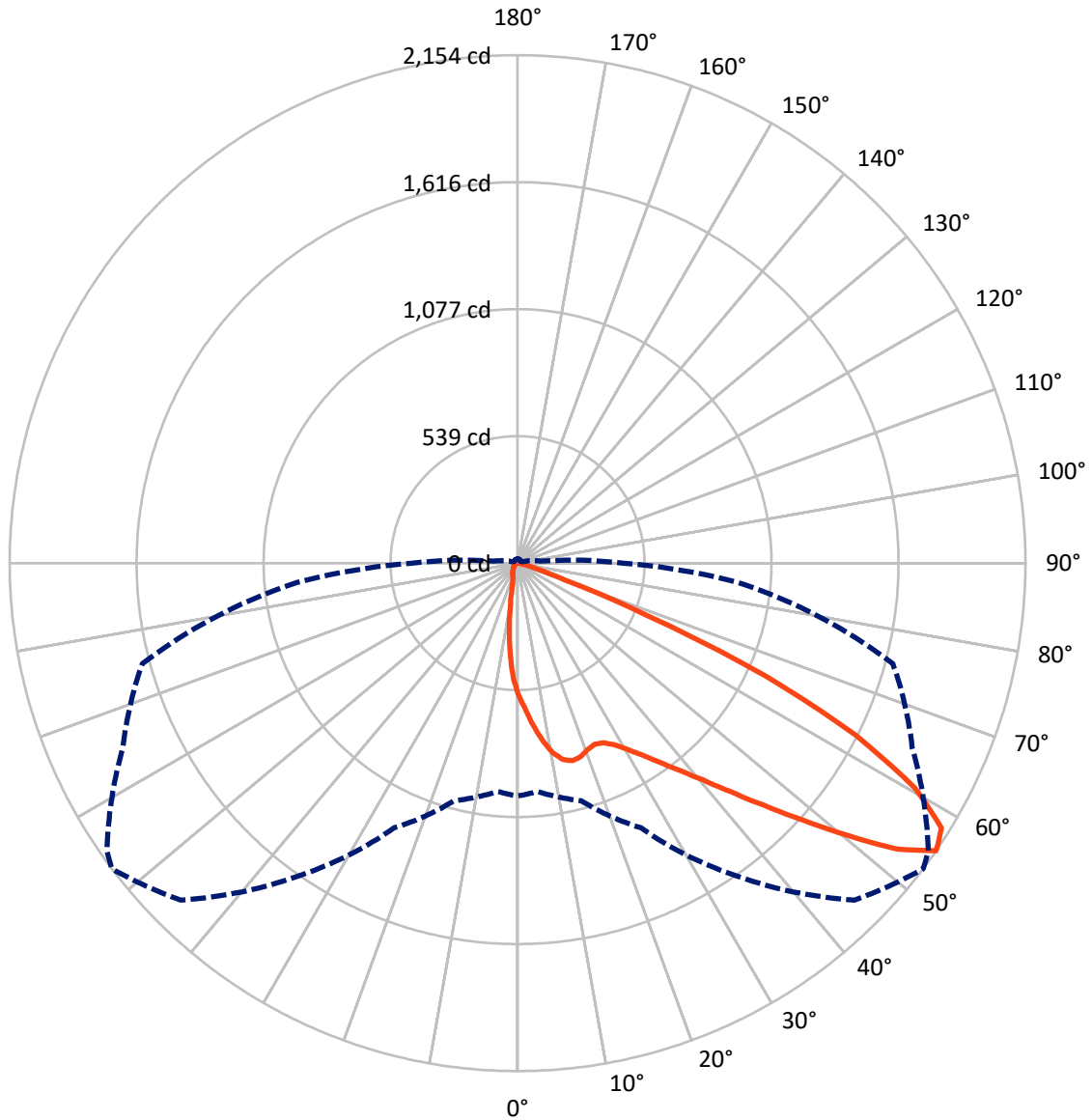
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.6 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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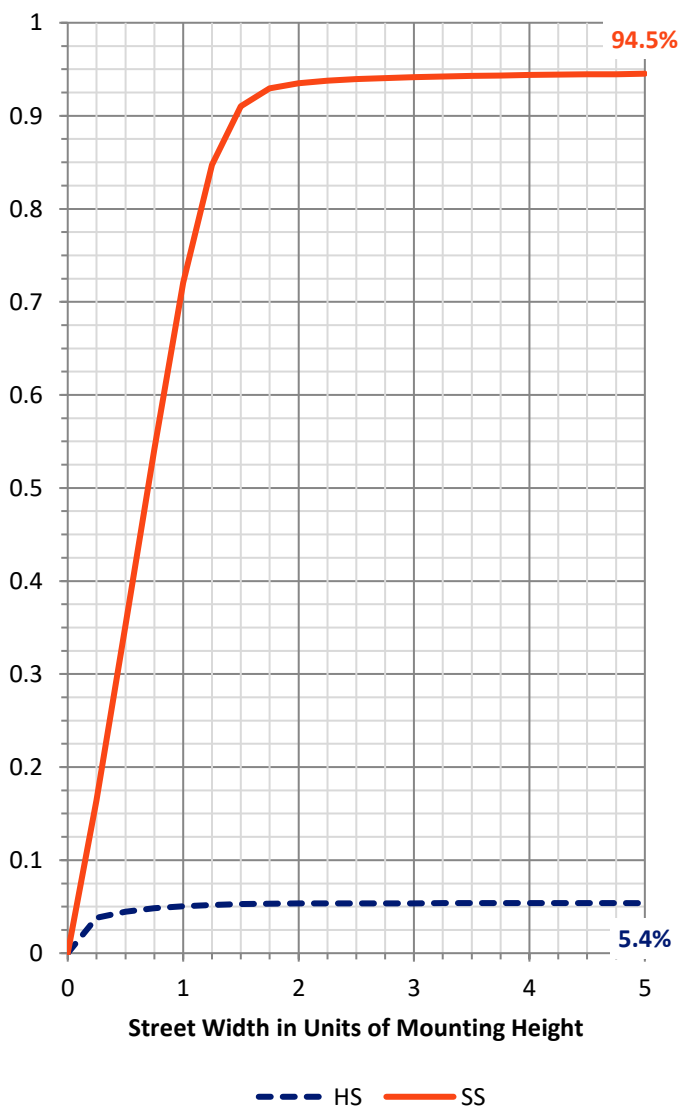
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	129.5	0.0	129.5
	% Fixture	5.4	0.0	5.4
Street Side	Lumens	2265.6	0.0	2265.6
	% Fixture	94.6	0.0	94.6
Total	Lumens	2395.1	0.0	2395.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.1	2.1
10°-20°	130.9	5.5
20°-30°	219.2	9.2
30°-40°	358.6	15.0
40°-50°	576.4	24.1
50°-60°	650.7	27.2
60°-70°	347.1	14.5
70°-80°	57.0	2.4
80°-90°	5.1	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°	2395.1	100.0
0°-180°	2395.1	100.0



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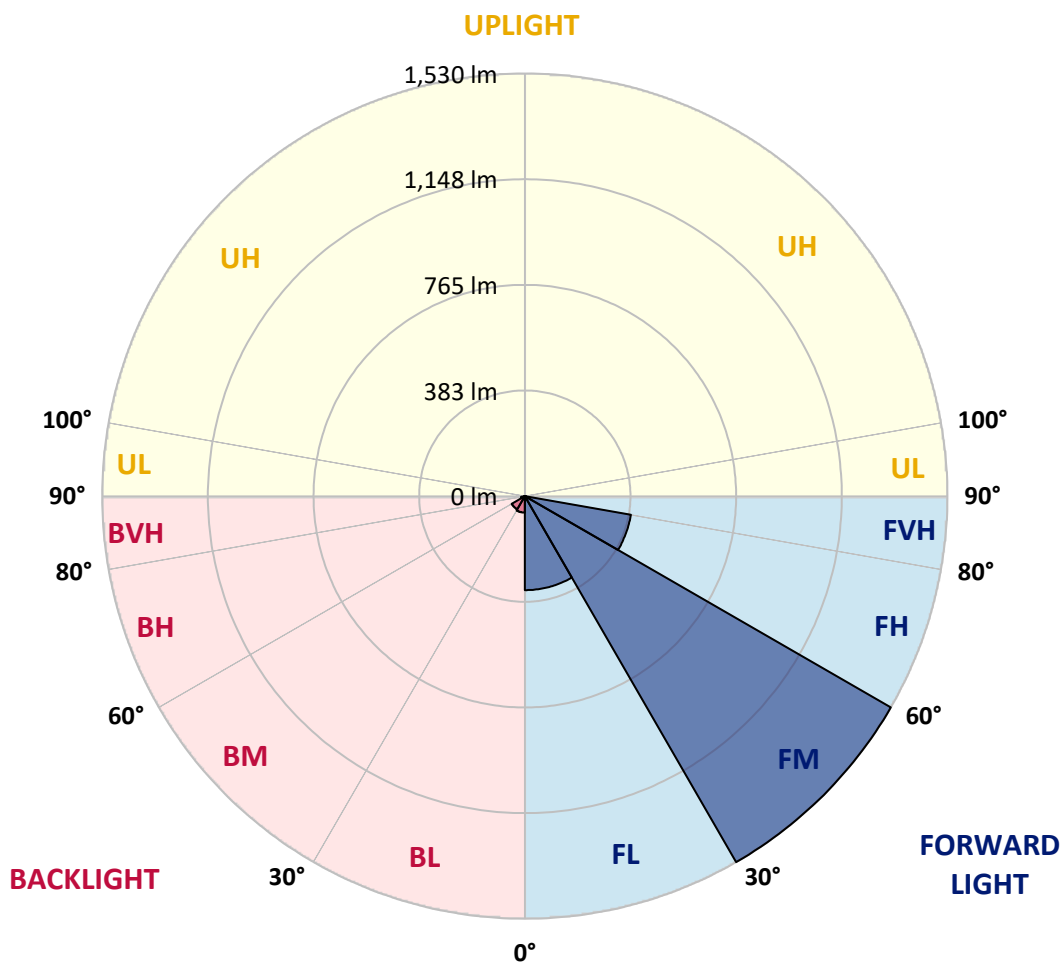
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	340.5	14.2			
FM (30°-60°)	1530.5	63.9			
FH (60°-80°)	390.0	16.3			G0/660
FVH (80°-90°)	4.7	0.2			G0/10
BL (0°-30°)	59.7	2.5	B0/110		
BM (30°-60°)	55.2	2.3	B0/220		
BH (60°-80°)	14.1	0.6	B0/110		G0/110
BVH (80°-90°)	0.4	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°	560.5	560.5	560.5	560.5	560.5	560.5	560.5	560.5	560.5	560.5	560.5
2.5°	672.2	668.2	670.5	664.4	653.3	639.4	618.6	619.7	603.3	589.0	569.3
5°	783.2	779.0	777.7	762.2	746.6	721.7	690.8	685.8	655.8	619.5	578.1
7.5°	841.7	838.1	840.9	835.2	819.9	797.2	758.2	754.4	708.0	653.1	592.2
10°	814.8	813.6	825.1	838.6	850.9	848.2	816.9	811.1	759.0	690.0	606.7
12.5°	742.7	746.6	761.3	786.1	824.3	860.2	855.1	856.2	811.1	730.1	622.6
15°	700.3	705.1	713.5	726.3	773.3	837.1	869.6	880.1	861.0	774.8	641.5
17.5°	696.7	700.7	701.9	706.8	734.3	799.9	863.7	883.7	905.5	816.9	662.7
20°	724.2	725.9	724.8	721.3	731.1	779.8	845.3	873.8	942.2	861.9	681.4
22.5°	776.0	773.5	770.4	757.1	756.5	785.5	835.2	865.0	964.1	899.0	693.8
25°	840.2	835.0	830.6	811.9	803.1	815.1	844.2	868.2	983.8	935.1	702.6
27.5°	910.3	912.0	901.1	875.9	862.1	859.5	872.1	890.0	1002.9	967.4	707.4
30°	985.2	986.1	971.8	945.8	933.2	917.0	916.2	926.9	1023.4	1004.6	712.0
32.5°	1070.7	1073.0	1049.7	1022.6	1000.6	979.6	969.3	978.3	1060.4	1053.0	721.5
35°	1194.0	1184.0	1152.5	1111.6	1080.3	1052.8	1037.1	1043.0	1109.5	1111.2	740.4
37.5°	1321.2	1320.2	1285.3	1226.4	1175.2	1141.0	1114.1	1123.7	1178.5	1189.0	770.6
40°	1439.8	1442.5	1412.3	1360.9	1295.0	1236.2	1207.5	1214.0	1270.2	1283.4	807.3
42.5°	1517.2	1515.7	1518.1	1503.4	1437.3	1368.0	1324.8	1328.4	1376.8	1383.8	853.3
45°	1552.9	1547.2	1567.0	1613.5	1587.3	1514.5	1465.2	1460.8	1487.4	1485.5	895.0
47.5°	1522.0	1511.6	1556.9	1669.1	1719.9	1697.9	1627.4	1619.4	1596.7	1581.6	938.4
50°	1368.6	1364.0	1461.0	1642.7	1803.2	1867.5	1815.6	1786.0	1694.3	1652.6	961.3
52.5°	1222.8	1210.0	1275.5	1507.8	1766.1	2003.9	2014.6	1961.9	1775.3	1672.9	953.6
55°	987.8	972.0	1043.4	1238.7	1619.0	2021.3	2154.3	2126.8	1846.3	1647.7	937.8
57.5°	600.0	584.4	689.4	887.2	1294.8	1876.5	2119.9	2147.8	1900.8	1620.0	927.5
60°	252.2	242.4	283.5	423.5	826.8	1542.2	1937.3	2007.0	1911.1	1582.1	931.7
62.5°	131.2	126.7	129.1	169.6	334.3	1015.5	1612.5	1733.8	1807.4	1565.3	935.9
65°	98.4	95.1	87.7	93.2	129.9	439.0	1158.8	1321.2	1582.7	1522.7	907.6
67.5°	80.8	77.6	72.4	70.7	76.6	152.4	591.6	802.7	1240.2	1341.2	806.0
70°	64.4	63.4	61.7	58.5	57.5	73.9	212.2	327.2	820.1	945.8	584.2
72.5°	53.7	53.9	52.0	49.3	45.5	47.6	84.6	111.9	396.8	453.5	244.7
75°	44.9	44.9	45.5	41.8	38.0	32.7	47.0	54.6	127.4	104.7	52.3
77.5°	35.3	35.7	38.4	35.3	30.4	20.6	25.6	29.2	37.8	30.2	19.1
80°	28.1	27.7	26.7	31.7	27.3	14.5	12.2	13.4	17.6	14.5	9.4
82.5°	19.7	19.5	18.7	21.4	21.2	10.7	8.0	8.2	10.7	9.2	5.9
85°	4.8	5.7	12.0	10.1	8.8	6.3	4.8	5.2	6.9	6.1	3.1
87.5°	2.1	2.1	5.5	6.5	4.2	2.7	2.1	2.3	3.6	3.6	1.9
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°	560.5	560.5	560.5	560.5	560.5	560.5	560.5	560.5	560.5	560.5	560.5
2.5°	562.4	548.8	531.6	513.3	494.6	472.2	457.9	446.1	436.9	429.8	427.3
5°	564.5	538.3	499.2	450.8	401.4	355.3	319.6	293.2	271.3	259.4	254.1
7.5°	564.3	529.5	458.9	377.7	297.6	231.0	183.8	154.7	135.1	127.2	122.3
10°	564.1	517.9	413.0	296.7	198.9	133.9	98.6	82.3	75.1	72.4	72.0
12.5°	570.2	504.7	361.6	218.5	124.9	83.3	68.6	64.8	63.2	62.3	62.1
15°	573.5	492.5	307.4	154.2	84.1	65.9	61.3	59.6	59.0	58.5	58.3
17.5°	577.1	473.6	256.0	111.6	67.4	59.8	57.1	56.0	55.6	55.6	55.6
20°	577.7	453.3	205.0	82.3	59.8	55.8	53.1	52.0	51.4	51.0	51.0
22.5°	573.1	429.1	161.2	66.7	55.4	52.0	49.1	47.4	46.4	46.2	46.2
25°	561.6	394.9	123.6	58.5	51.8	48.3	44.7	42.8	42.0	42.0	42.0
27.5°	545.0	354.6	95.5	52.0	47.2	43.6	40.5	38.8	38.6	38.4	38.6
30°	526.1	315.8	73.0	46.2	41.8	38.8	36.3	35.5	35.9	35.9	36.1
32.5°	507.2	277.0	57.1	41.6	36.9	34.4	33.2	33.2	33.8	33.8	33.8
35°	491.0	239.0	47.8	37.8	33.6	31.5	30.8	31.5	31.9	32.1	32.1
37.5°	482.0	206.3	42.2	34.4	30.8	29.2	29.0	29.6	30.4	31.1	31.3
40°	478.7	181.1	38.8	31.9	28.3	27.3	27.1	27.9	29.4	30.4	30.6
42.5°	478.9	158.9	35.9	29.4	26.7	25.2	25.2	26.4	27.9	29.0	29.0
45°	480.3	139.8	32.9	26.9	25.2	22.7	22.9	24.6	25.6	26.7	26.7
47.5°	481.6	124.4	29.8	24.1	21.8	20.6	21.0	22.2	23.7	25.4	25.4
50°	474.3	113.5	26.7	21.2	19.1	18.7	19.5	20.6	22.7	24.3	24.6
52.5°	456.6	103.7	23.9	18.9	17.2	17.4	18.5	19.1	20.8	21.0	21.2
55°	448.9	98.6	21.8	17.2	15.7	16.4	17.0	17.2	16.8	15.7	15.7
57.5°	447.2	95.3	19.7	15.5	14.5	15.3	15.1	13.9	12.6	11.3	11.1
60°	448.9	90.7	18.0	13.4	13.2	13.4	12.8	10.5	8.8	8.0	7.6
62.5°	439.2	83.9	16.6	11.5	11.5	11.3	9.7	7.1	5.7	5.0	4.8
65°	407.3	70.7	15.1	9.7	9.4	9.0	6.5	4.8	3.8	3.1	2.9
67.5°	344.6	54.8	13.6	8.0	7.6	6.3	4.2	3.1	2.1	1.9	1.7
70°	235.0	34.0	11.5	6.3	5.7	4.0	2.5	1.9	1.3	1.0	0.8
72.5°	85.2	19.7	9.7	4.8	3.8	2.5	1.5	0.8	0.6	0.6	0.4
75°	20.1	13.9	7.3	3.6	2.5	1.5	0.8	0.6	0.4	0.4	0.2
77.5°	9.2	10.7	4.8	2.1	1.7	1.0	0.6	0.4	0.2	0.2	0.0
80°	5.2	7.6	2.3	1.5	1.3	0.8	0.4	0.2	0.2	0.0	0.0
82.5°	2.7	4.2	1.7	1.3	1.0	0.6	0.4	0.0	0.0	0.0	0.0
85°	1.9	2.1	1.3	1.0	0.8	0.6	0.4	0.0	0.0	0.0	0.0
87.5°	1.5	1.5	1.3	1.0	0.8	0.6	0.2	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)