

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: P674537

Luminaire Tested: **CCP-SA-1B-730-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674537
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-730-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @450mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

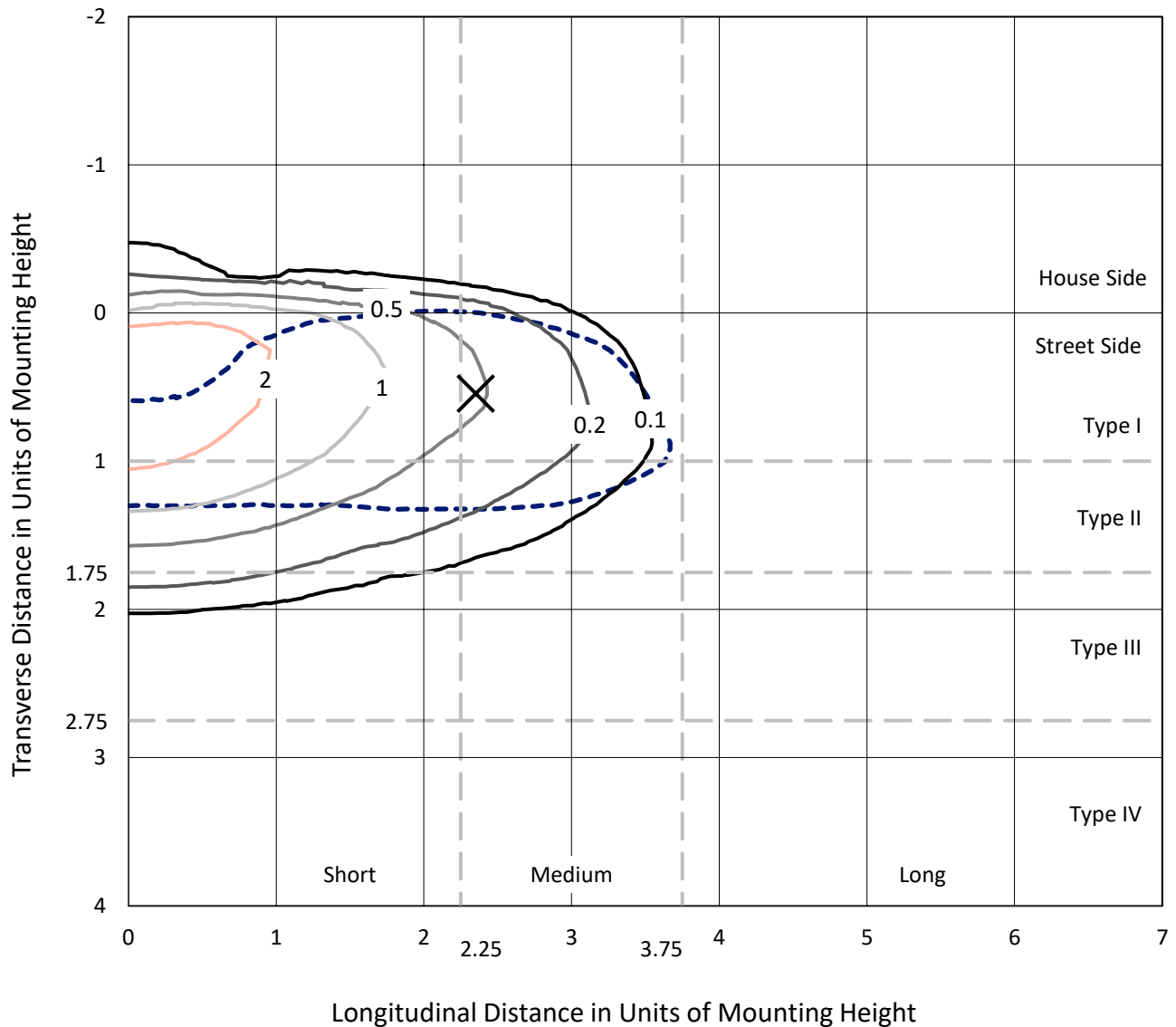
Lumens per Lamp: N/A
Luminaire Lumens: 2546.4 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G0

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

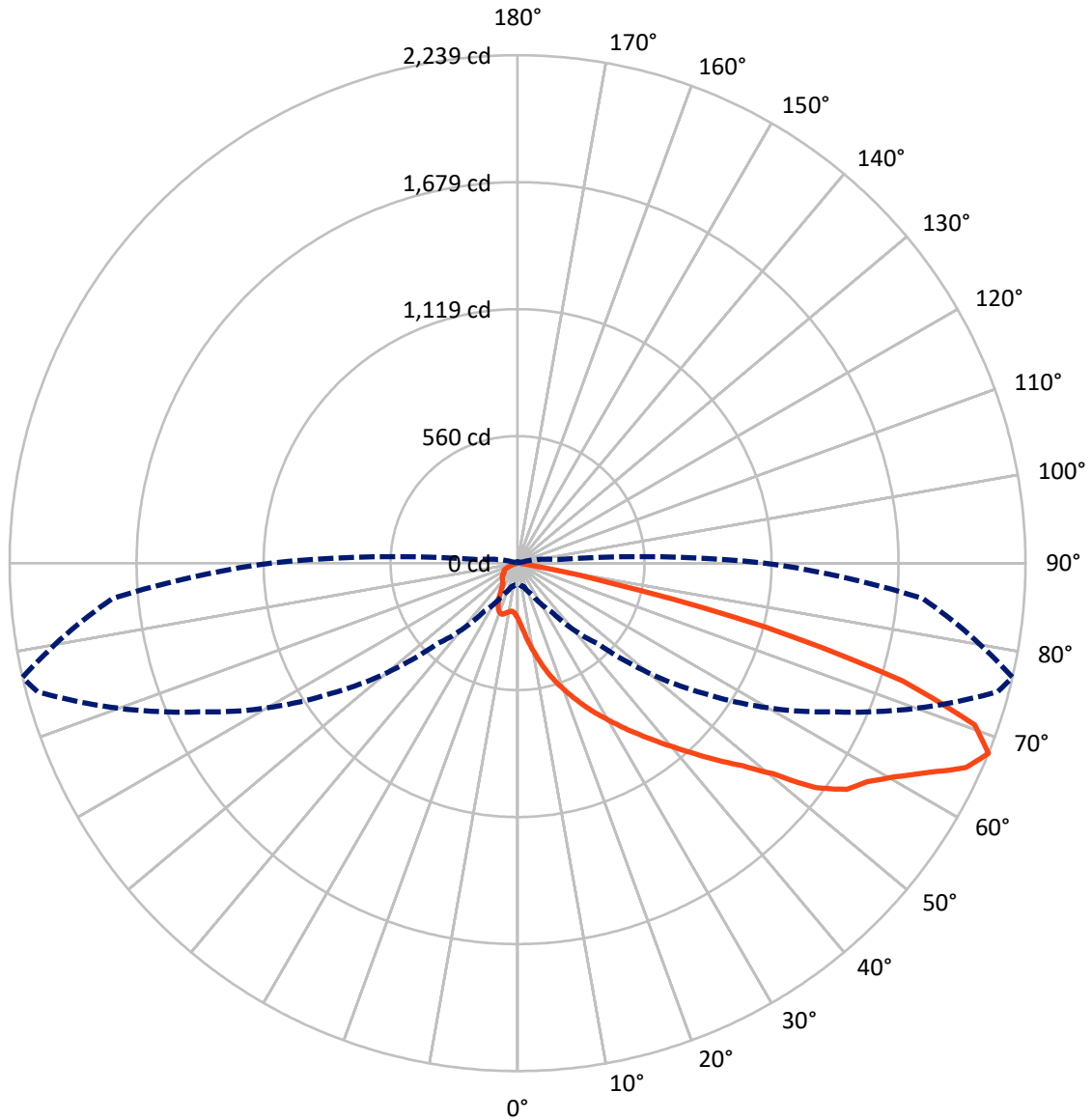
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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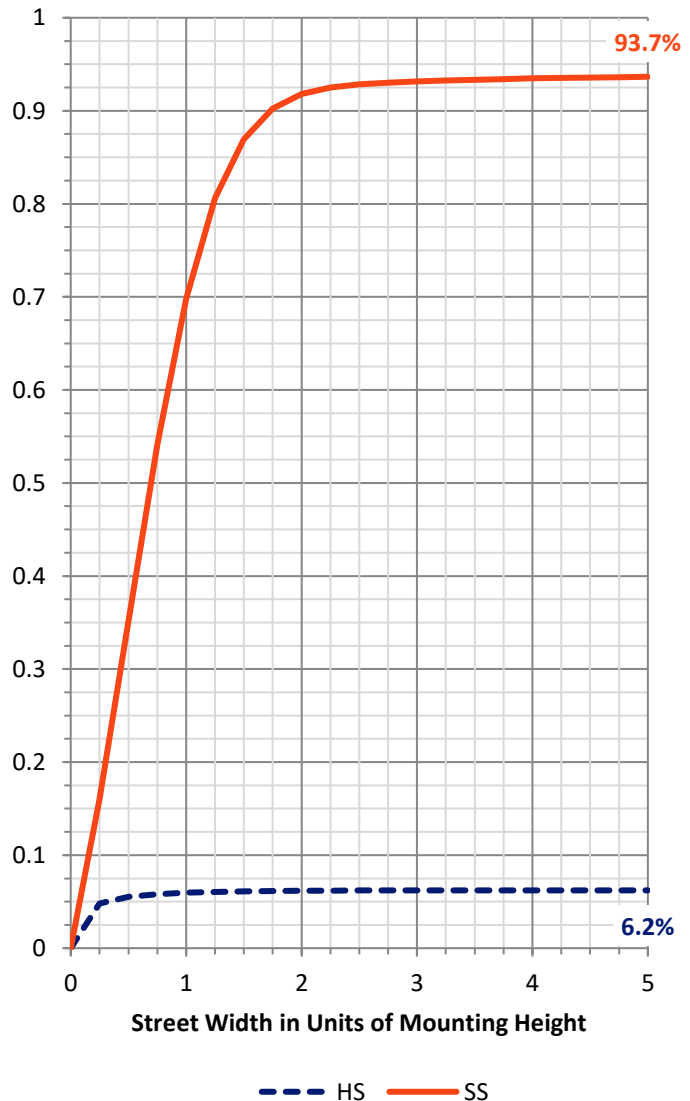
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	159.1	0.0	159.1
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	2387.3	0.0	2387.3
	% Fixture	93.8	0.0	93.8
Total	Lumens	2546.4	0.0	2546.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.7	1.1
10°-20°	106.0	4.2
20°-30°	207.1	8.1
30°-40°	362.1	14.2
40°-50°	528.0	20.7
50°-60°	617.4	24.2
60°-70°	500.5	19.7
70°-80°	188.0	7.4
80°-90°	8.5	0.3
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°	2546.4	100.0
0°-180°	2546.4	100.0

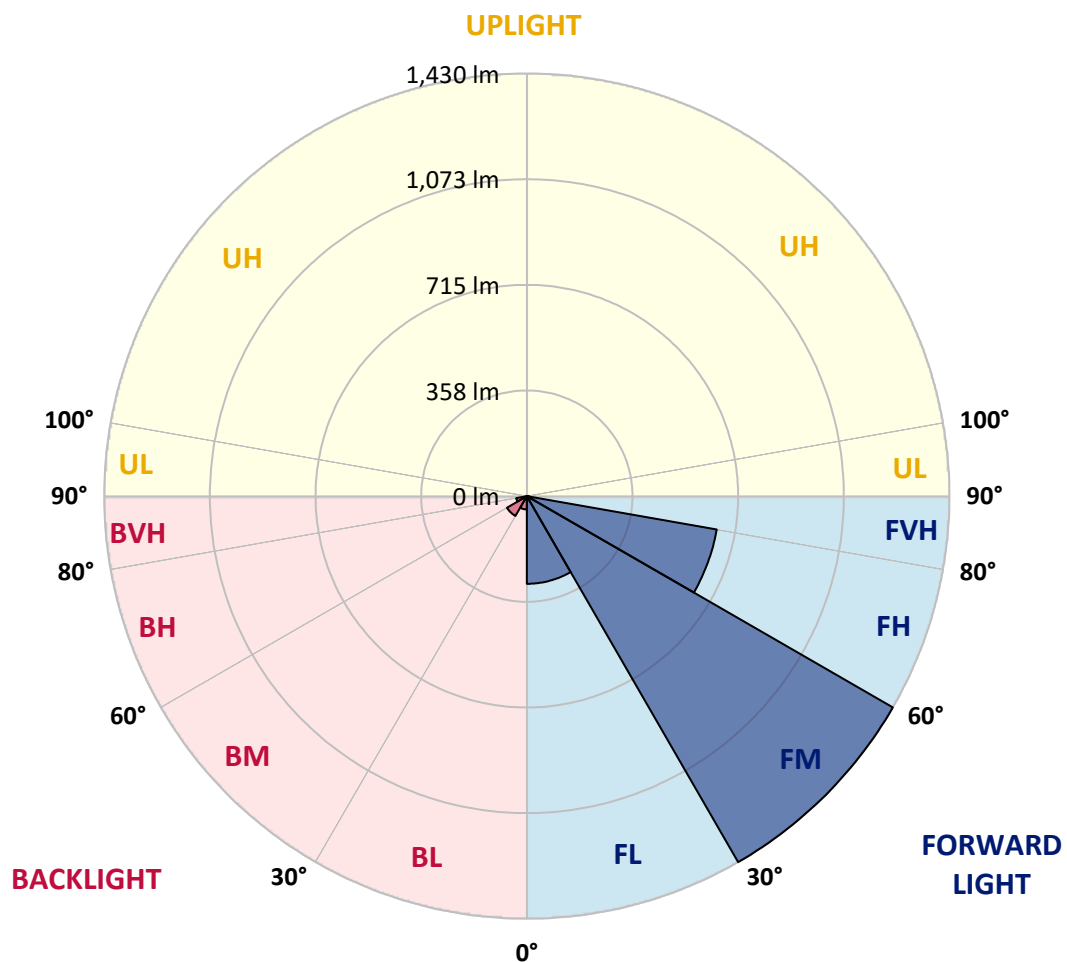


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	296.6	11.6			
FM (30°-60°)	1430.1	56.2			
FH (60°-80°)	652.5	25.6			G0/660
FVH (80°-90°)	8.1	0.3			G0/10
BL (0°-30°)	45.1	1.8	B0/110		
BM (30°-60°)	77.4	3.0	B0/220		
BH (60°-80°)	36.1	1.4	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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	243.9	243.9	243.9	243.9	243.9	243.9	243.9	243.9	243.9	243.9	243.9
2.5°	366.2	352.9	355.4	349.9	342.7	326.2	308.7	291.3	275.6	272.2	256.5
5°	468.9	464.8	460.4	456.8	441.8	421.1	389.6	349.6	313.5	307.3	274.9
7.5°	548.7	542.5	546.4	535.1	519.5	499.5	459.5	416.8	361.1	351.9	301.6
10°	607.6	604.1	605.9	600.7	593.1	573.1	533.5	480.0	415.6	398.1	331.5
12.5°	651.7	652.4	660.4	660.9	654.7	638.4	596.5	540.7	465.0	449.4	364.6
15°	683.9	684.6	694.5	705.0	712.2	703.6	665.7	603.2	523.2	501.8	399.3
17.5°	689.2	689.6	707.1	728.5	750.5	757.9	728.7	665.3	576.3	551.9	439.1
20°	692.6	696.5	712.2	736.7	771.7	794.4	778.6	724.8	627.8	599.5	478.1
22.5°	734.4	734.4	743.6	761.1	788.9	824.6	821.3	779.5	677.9	649.9	517.0
25°	823.2	823.2	814.2	809.6	824.6	852.6	860.6	837.9	735.1	702.0	557.9
27.5°	940.6	940.6	926.6	892.8	880.0	891.7	900.2	888.7	788.0	755.4	601.1
30°	1062.5	1066.6	1042.2	999.3	954.2	945.2	937.0	934.4	844.3	807.5	645.0
32.5°	1184.8	1184.3	1154.0	1100.4	1041.6	1009.8	982.9	980.0	904.1	868.0	686.6
35°	1282.5	1282.7	1250.7	1195.8	1127.8	1087.3	1044.1	1030.1	969.6	929.4	736.3
37.5°	1367.1	1362.2	1327.8	1275.6	1212.1	1170.3	1116.5	1079.9	1037.4	996.5	785.9
40°	1415.6	1409.1	1375.6	1325.9	1277.9	1245.9	1198.6	1140.2	1111.9	1067.8	842.5
42.5°	1422.7	1417.2	1394.9	1365.0	1325.7	1297.6	1285.0	1208.2	1190.1	1150.1	910.1
45°	1402.7	1393.7	1386.4	1370.7	1359.7	1346.1	1363.4	1280.6	1279.7	1239.9	977.0
47.5°	1353.0	1340.9	1342.7	1359.9	1372.3	1384.5	1438.3	1375.6	1370.1	1332.8	1064.8
50°	1268.2	1262.2	1282.5	1316.5	1365.7	1414.4	1513.0	1472.6	1494.4	1459.5	1185.9
52.5°	1095.8	1103.2	1163.6	1245.5	1330.5	1428.4	1583.1	1617.4	1673.3	1644.5	1307.8
55°	888.9	886.2	966.9	1112.1	1248.0	1419.5	1613.7	1702.7	1790.5	1760.4	1375.6
57.5°	716.1	720.9	775.4	919.0	1108.0	1350.3	1620.8	1747.3	1837.6	1817.6	1438.3
60°	537.4	542.0	591.7	716.7	921.8	1205.9	1562.0	1762.9	1926.1	1910.9	1538.5
62.5°	342.1	348.0	397.9	519.5	704.6	981.6	1429.8	1746.6	2018.5	2031.2	1675.3
65°	168.3	173.6	210.3	303.4	471.0	734.0	1245.5	1684.3	2136.2	2172.3	1785.0
67.5°	93.1	95.6	108.3	154.5	262.7	503.4	1000.9	1551.2	2190.2	2238.5	1792.3
70°	72.4	73.1	77.9	90.1	128.0	295.4	711.9	1329.6	2078.3	2136.7	1643.1
72.5°	60.9	61.8	64.1	68.3	80.0	153.8	447.3	1027.5	1748.7	1775.1	1271.2
75°	44.6	46.0	52.4	56.1	63.2	93.3	197.2	617.4	1155.6	1129.6	711.2
77.5°	37.5	38.6	40.2	45.5	52.2	63.7	69.2	258.8	470.3	408.9	186.7
80°	25.5	26.9	31.3	34.0	44.1	42.1	28.7	69.4	94.5	77.0	35.9
82.5°	18.2	19.3	21.6	27.8	32.0	22.3	15.6	21.1	22.8	21.6	11.7
85°	5.7	7.4	15.6	23.0	17.2	7.6	9.9	8.0	7.1	6.9	4.6
87.5°	1.1	1.1	7.8	9.2	6.9	3.9	3.4	2.5	3.2	3.2	2.5
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°	243.9	243.9	243.9	243.9	243.9	243.9	243.9	243.9	243.9	243.9	243.9
2.5°	249.2	238.8	223.9	209.9	195.6	185.5	178.4	171.3	168.5	167.3	164.4
5°	260.2	240.4	210.8	186.9	169.4	158.4	151.7	146.0	142.3	141.1	139.5
7.5°	276.1	247.6	205.0	177.5	160.0	148.0	137.2	124.8	114.9	111.0	109.4
10°	293.3	258.4	206.0	175.6	152.4	126.2	102.1	82.1	73.3	70.1	67.8
12.5°	318.6	270.3	209.9	173.6	129.6	90.1	65.3	57.0	54.9	54.5	54.0
15°	343.9	287.1	216.3	159.8	96.8	61.4	54.3	51.3	50.1	49.0	49.0
17.5°	369.4	303.2	218.8	132.9	66.9	53.1	49.4	46.9	45.1	44.1	43.4
20°	398.1	320.2	211.5	100.0	53.6	48.5	44.4	41.4	39.8	38.8	38.2
22.5°	429.2	337.0	195.4	69.7	48.7	43.7	39.8	36.8	35.2	34.3	34.0
25°	458.4	351.5	169.6	52.4	43.9	39.1	35.4	32.9	31.7	30.8	30.6
27.5°	488.5	363.9	136.1	46.2	40.0	35.4	31.7	29.7	28.5	27.8	27.6
30°	517.9	372.4	101.4	42.3	36.6	32.0	28.7	27.1	26.0	25.3	25.1
32.5°	548.3	377.2	68.5	38.8	33.1	29.0	26.2	24.6	23.9	23.2	23.2
35°	577.4	376.5	49.4	35.6	30.3	26.2	23.7	22.5	22.3	21.6	21.6
37.5°	609.4	371.7	42.1	32.6	27.4	23.7	21.6	20.9	20.7	20.2	20.0
40°	645.7	360.9	38.4	30.3	24.8	21.6	19.8	19.3	19.1	18.6	18.6
42.5°	685.5	346.9	36.3	27.8	22.8	19.5	18.2	17.5	17.2	16.8	16.8
45°	731.7	333.5	34.9	25.3	20.9	17.9	16.6	15.9	15.6	15.2	15.2
47.5°	794.7	326.0	32.6	23.0	18.8	16.3	14.9	14.5	14.0	13.6	13.6
50°	881.3	317.0	29.7	20.7	17.2	14.7	13.8	13.1	12.9	12.4	12.4
52.5°	952.6	297.9	26.7	18.4	15.4	13.6	12.6	12.2	11.7	11.5	11.5
55°	977.7	275.6	23.7	16.6	14.0	12.6	11.7	11.3	11.0	10.8	10.8
57.5°	1017.7	268.5	20.9	14.7	12.6	11.7	10.8	10.6	10.3	10.1	9.9
60°	1085.9	272.6	18.4	13.1	11.5	10.6	9.9	9.7	9.2	8.7	8.7
62.5°	1152.1	267.6	15.6	11.5	9.9	9.4	8.7	8.3	7.4	6.7	6.2
65°	1168.2	233.8	13.6	9.7	8.3	7.8	7.1	6.2	4.8	3.9	3.9
67.5°	1090.3	177.7	11.7	8.3	6.9	6.4	5.1	4.1	3.0	2.3	2.3
70°	899.7	112.6	9.7	6.4	5.7	4.4	3.2	3.0	2.1	1.8	1.6
72.5°	649.2	61.6	8.0	5.3	4.1	2.8	2.3	1.8	1.4	0.9	0.9
75°	328.7	29.0	6.0	4.1	2.8	1.8	1.4	0.9	0.9	0.7	0.7
77.5°	93.1	13.3	3.9	2.8	1.8	1.1	0.9	0.7	0.7	0.5	0.5
80°	18.4	6.7	2.5	1.8	1.4	0.9	0.7	0.5	0.5	0.2	0.2
82.5°	6.7	3.4	1.8	1.4	1.1	0.9	0.5	0.2	0.2	0.0	0.0
85°	3.4	1.8	1.4	1.1	0.9	0.7	0.5	0.2	0.0	0.0	0.0
87.5°	1.8	1.4	1.1	1.1	0.9	0.7	0.5	0.2	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)