

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: P674603

Luminaire Tested: **CCP-SA-1B-830-U-T2R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674603
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-830-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, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2222 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G0

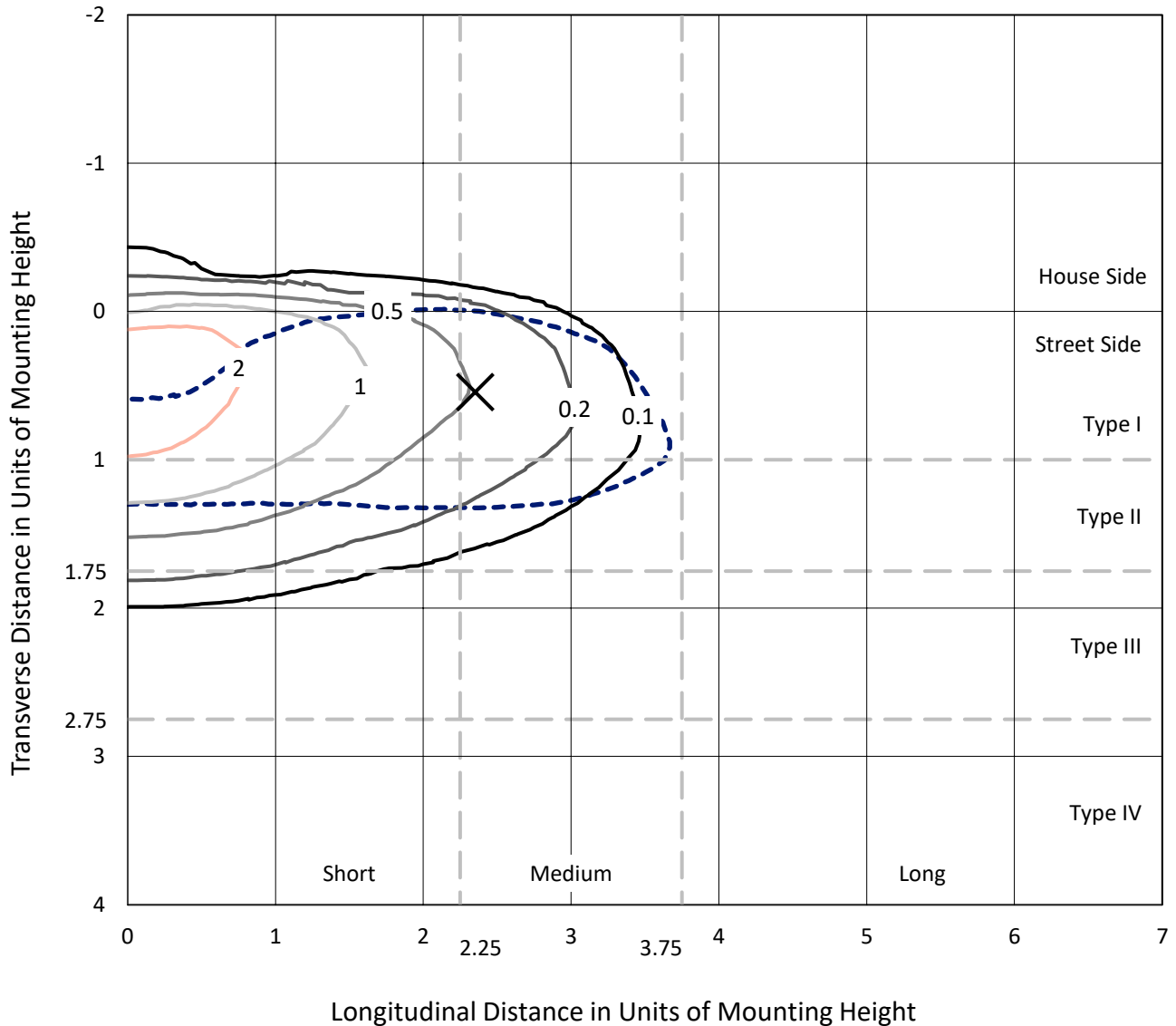
Input Watts (W): 24
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

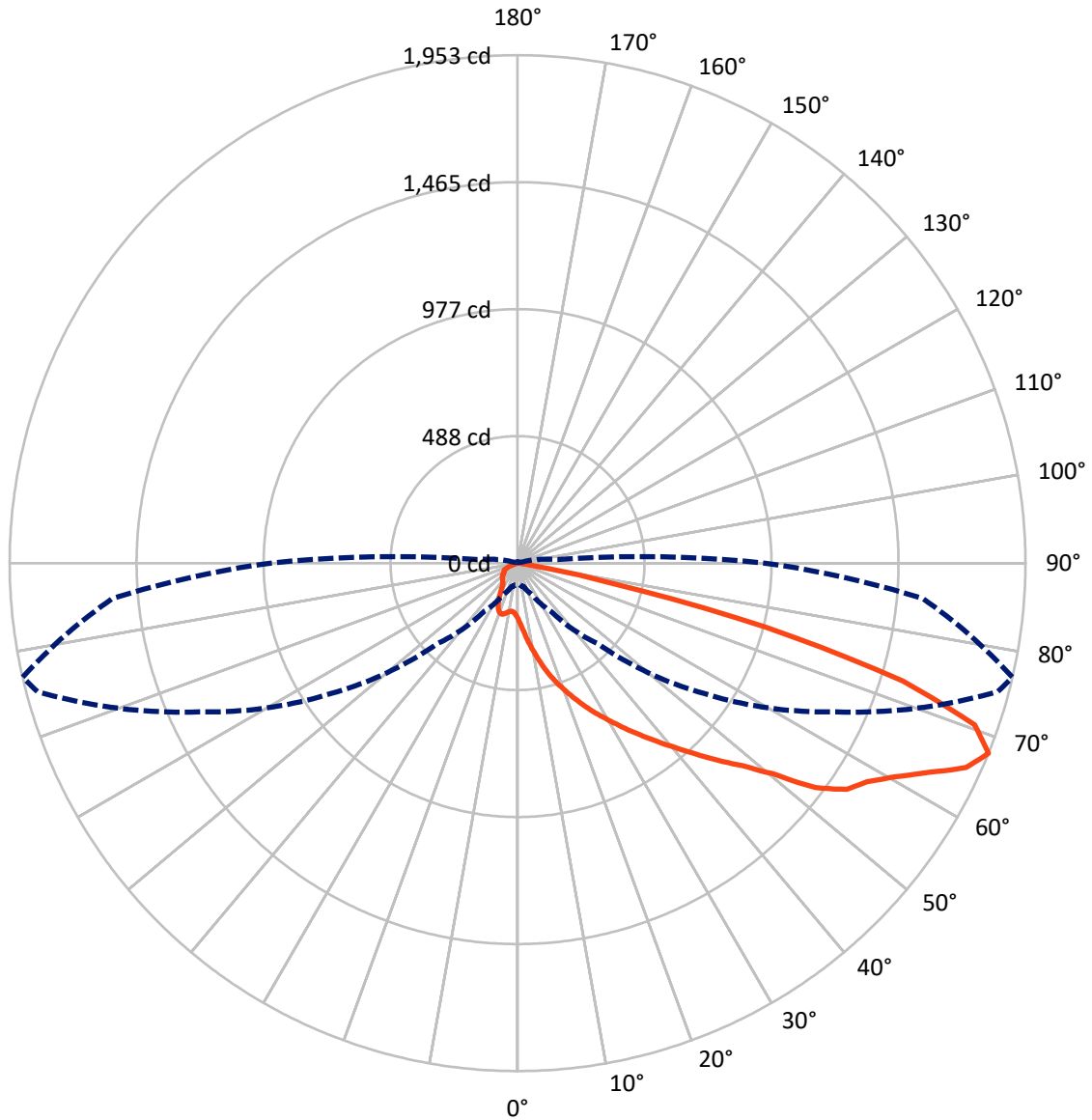
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.7 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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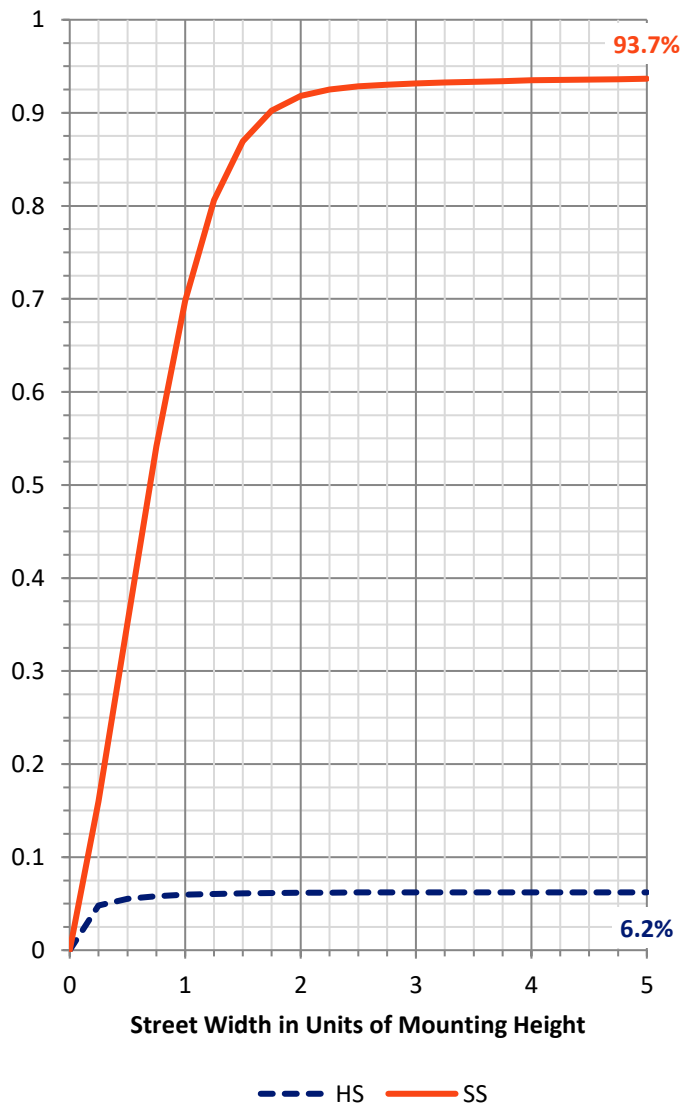
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	138.8	0.0	138.8
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	2083.2	0.0	2083.2
	% Fixture	93.8	0.0	93.8
Total	Lumens	2222.0	0.0	2222.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.0	1.1
10°-20°	92.5	4.2
20°-30°	180.7	8.1
30°-40°	315.9	14.2
40°-50°	460.8	20.7
50°-60°	538.8	24.2
60°-70°	436.8	19.7
70°-80°	164.1	7.4
80°-90°	7.5	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°	2222.0	100.0
0°-180°	2222.0	100.0

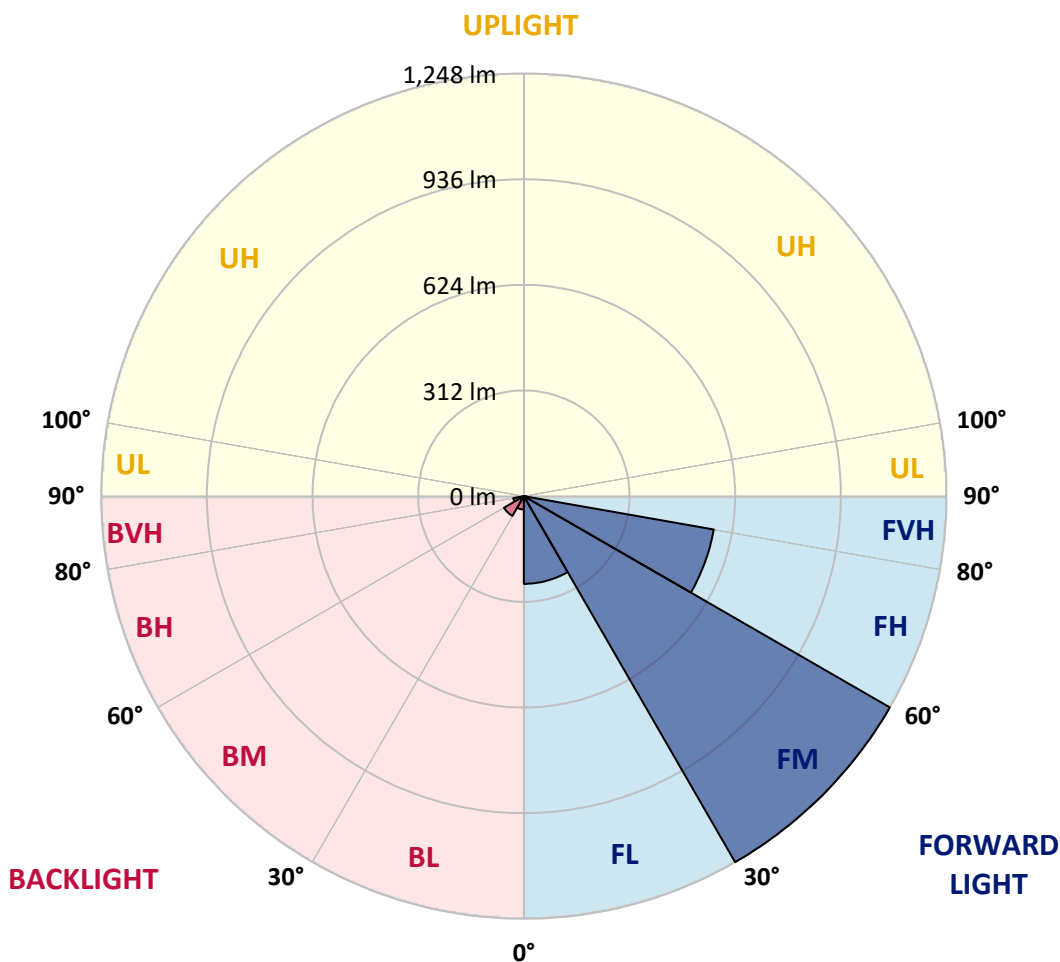


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	258.8	11.6			
FM (30°-60°)	1247.9	56.2			
FH (60°-80°)	569.4	25.6			G0/660
FVH (80°-90°)	7.0	0.3			G0/10
BL (0°-30°)	39.4	1.8	B0/110		
BM (30°-60°)	67.6	3.0	B0/220		
BH (60°-80°)	31.5	1.4	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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	212.8	212.8	212.8	212.8	212.8	212.8	212.8	212.8	212.8	212.8	212.8
2.5°	319.5	307.9	310.1	305.3	299.1	284.6	269.4	254.1	240.5	237.5	223.9
5°	409.2	405.6	401.8	398.6	385.5	367.5	340.0	305.1	273.6	268.2	239.9
7.5°	478.8	473.4	476.8	467.0	453.3	435.9	401.0	363.7	315.1	307.1	263.2
10°	530.2	527.2	528.8	524.1	517.5	500.1	465.6	418.8	362.7	347.4	289.3
12.5°	568.7	569.3	576.3	576.7	571.3	557.0	520.5	471.8	405.8	392.2	318.1
15°	596.8	597.4	606.0	615.2	621.4	614.0	580.9	526.4	456.5	437.9	348.4
17.5°	601.4	601.8	617.0	635.7	654.9	661.3	635.9	580.5	502.9	481.6	383.1
20°	604.4	607.8	621.4	642.9	673.4	693.2	679.4	632.5	547.8	523.1	417.2
22.5°	640.9	640.9	648.9	664.2	688.4	719.5	716.7	680.2	591.5	567.1	451.1
25°	718.3	718.3	710.5	706.5	719.5	744.0	751.0	731.2	641.5	612.6	486.8
27.5°	820.8	820.8	808.6	779.1	767.9	778.1	785.5	775.5	687.6	659.1	524.5
30°	927.1	930.7	909.5	872.0	832.7	824.8	817.6	815.4	736.8	704.7	562.9
32.5°	1033.8	1033.4	1007.0	960.2	908.9	881.2	857.7	855.1	788.9	757.4	599.2
35°	1119.1	1119.3	1091.4	1043.5	984.1	948.8	911.1	898.8	846.1	811.0	642.5
37.5°	1192.9	1188.7	1158.6	1113.1	1057.7	1021.2	974.3	942.4	905.3	869.6	685.8
40°	1235.2	1229.6	1200.3	1157.0	1115.1	1087.2	1045.9	994.9	970.3	931.7	735.2
42.5°	1241.5	1236.6	1217.2	1191.1	1156.8	1132.3	1121.3	1054.3	1038.5	1003.6	794.1
45°	1224.0	1216.2	1209.8	1196.1	1186.5	1174.7	1189.7	1117.5	1116.7	1082.0	852.5
47.5°	1180.7	1170.0	1171.7	1186.7	1197.5	1208.2	1255.1	1200.3	1195.5	1163.0	929.1
50°	1106.7	1101.4	1119.1	1148.8	1191.7	1234.2	1320.3	1285.0	1304.0	1273.6	1034.8
52.5°	956.2	962.6	1015.4	1086.8	1161.0	1246.5	1381.5	1411.4	1460.1	1435.0	1141.2
55°	775.7	773.3	843.7	970.5	1089.0	1238.6	1408.1	1485.8	1562.4	1536.1	1200.3
57.5°	624.8	629.1	676.6	802.0	966.8	1178.3	1414.4	1524.7	1603.5	1586.1	1255.1
60°	469.0	473.0	516.3	625.4	804.4	1052.3	1363.0	1538.3	1680.8	1667.5	1342.6
62.5°	298.5	303.7	347.2	453.3	614.8	856.5	1247.7	1524.1	1761.4	1772.4	1461.9
65°	146.8	151.4	183.5	264.8	411.0	640.5	1086.8	1469.7	1864.1	1895.6	1557.6
67.5°	81.2	83.4	94.5	134.8	229.3	439.3	873.4	1353.6	1911.2	1953.4	1564.0
70°	63.2	63.8	68.0	78.6	111.7	257.8	621.2	1160.2	1813.5	1864.5	1433.8
72.5°	53.2	54.0	56.0	59.6	69.8	134.2	390.3	896.6	1525.9	1549.0	1109.3
75°	38.9	40.1	45.7	48.9	55.2	81.4	172.1	538.8	1008.4	985.7	620.6
77.5°	32.7	33.7	35.1	39.7	45.5	55.6	60.4	225.9	410.4	356.9	162.9
80°	22.3	23.5	27.3	29.7	38.5	36.7	25.1	60.6	82.4	67.2	31.3
82.5°	15.8	16.8	18.9	24.3	27.9	19.5	13.6	18.5	19.9	18.9	10.2
85°	5.0	6.4	13.6	20.1	15.0	6.6	8.6	7.0	6.2	6.0	4.0
87.5°	1.0	1.0	6.8	8.0	6.0	3.4	3.0	2.2	2.8	2.8	2.2
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°	212.8	212.8	212.8	212.8	212.8	212.8	212.8	212.8	212.8	212.8	212.8
2.5°	217.4	208.4	195.4	183.1	170.7	161.9	155.7	149.4	147.0	146.0	143.4
5°	227.1	209.8	183.9	163.1	147.8	138.2	132.4	127.4	124.2	123.2	121.8
7.5°	240.9	216.0	178.9	154.9	139.6	129.2	119.8	108.9	100.3	96.9	95.5
10°	256.0	225.5	179.7	153.3	133.0	110.1	89.1	71.6	64.0	61.2	59.2
12.5°	278.0	235.9	183.1	151.4	113.1	78.6	57.0	49.7	47.9	47.5	47.1
15°	300.1	250.5	188.8	139.4	84.4	53.6	47.3	44.7	43.7	42.7	42.7
17.5°	322.3	264.6	191.0	115.9	58.4	46.3	43.1	40.9	39.3	38.5	37.9
20°	347.4	279.4	184.5	87.3	46.7	42.3	38.7	36.1	34.7	33.9	33.3
22.5°	374.5	294.1	170.5	60.8	42.5	38.1	34.7	32.1	30.7	29.9	29.7
25°	400.0	306.7	148.0	45.7	38.3	34.1	30.9	28.7	27.7	26.9	26.7
27.5°	426.3	317.5	118.7	40.3	34.9	30.9	27.7	25.9	24.9	24.3	24.1
30°	451.9	325.0	88.5	36.9	31.9	27.9	25.1	23.7	22.7	22.1	21.9
32.5°	478.4	329.2	59.8	33.9	28.9	25.3	22.9	21.5	20.9	20.3	20.3
35°	503.9	328.6	43.1	31.1	26.5	22.9	20.7	19.7	19.5	18.9	18.9
37.5°	531.8	324.4	36.7	28.5	23.9	20.7	18.9	18.3	18.1	17.7	17.5
40°	563.5	314.9	33.5	26.5	21.7	18.9	17.3	16.8	16.6	16.2	16.2
42.5°	598.2	302.7	31.7	24.3	19.9	17.1	15.8	15.2	15.0	14.6	14.6
45°	638.5	291.1	30.5	22.1	18.3	15.6	14.4	13.8	13.6	13.2	13.2
47.5°	693.4	284.4	28.5	20.1	16.4	14.2	13.0	12.6	12.2	11.8	11.8
50°	769.1	276.6	25.9	18.1	15.0	12.8	12.0	11.4	11.2	10.8	10.8
52.5°	831.2	260.0	23.3	16.0	13.4	11.8	11.0	10.6	10.2	10.0	10.0
55°	853.1	240.5	20.7	14.4	12.2	11.0	10.2	9.8	9.6	9.4	9.4
57.5°	888.0	234.3	18.3	12.8	11.0	10.2	9.4	9.2	9.0	8.8	8.6
60°	947.6	237.9	16.0	11.4	10.0	9.2	8.6	8.4	8.0	7.6	7.6
62.5°	1005.4	233.5	13.6	10.0	8.6	8.2	7.6	7.2	6.4	5.8	5.4
65°	1019.4	204.0	11.8	8.4	7.2	6.8	6.2	5.4	4.2	3.4	3.4
67.5°	951.4	155.1	10.2	7.2	6.0	5.6	4.4	3.6	2.6	2.0	2.0
70°	785.1	98.3	8.4	5.6	5.0	3.8	2.8	2.6	1.8	1.6	1.4
72.5°	566.5	53.8	7.0	4.6	3.6	2.4	2.0	1.6	1.2	0.8	0.8
75°	286.8	25.3	5.2	3.6	2.4	1.6	1.2	0.8	0.8	0.6	0.6
77.5°	81.2	11.6	3.4	2.4	1.6	1.0	0.8	0.6	0.6	0.4	0.4
80°	16.0	5.8	2.2	1.6	1.2	0.8	0.6	0.4	0.4	0.2	0.2
82.5°	5.8	3.0	1.6	1.2	1.0	0.8	0.4	0.2	0.2	0.0	0.0
85°	3.0	1.6	1.2	1.0	0.8	0.6	0.4	0.2	0.0	0.0	0.0
87.5°	1.6	1.2	1.0	1.0	0.8	0.6	0.4	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)