

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: P674536

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

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674536
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-730-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T2R distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

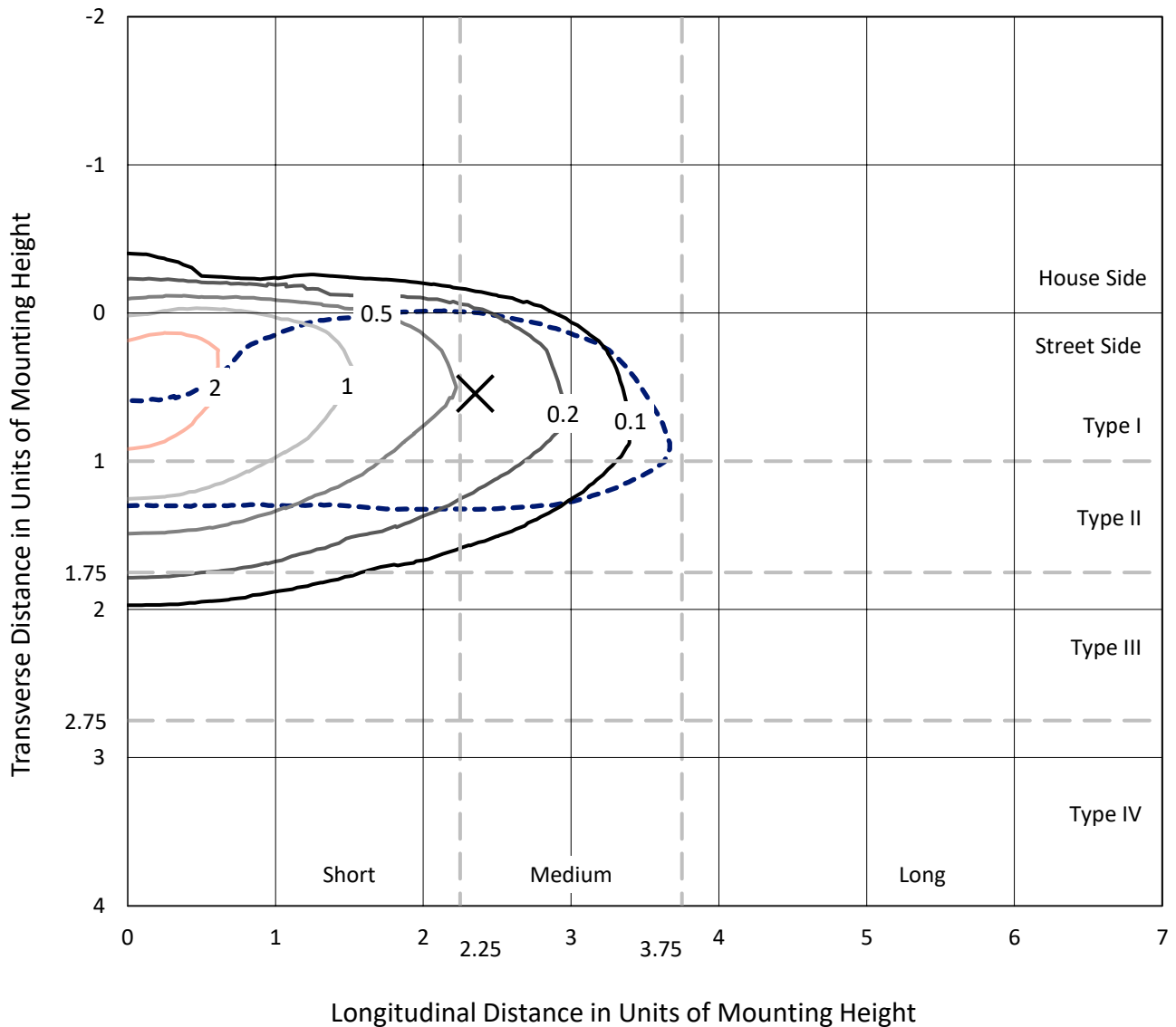
Lumens per Lamp: N/A
Luminaire Lumens: 2017.2 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G0

Input Watts (W): 18
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

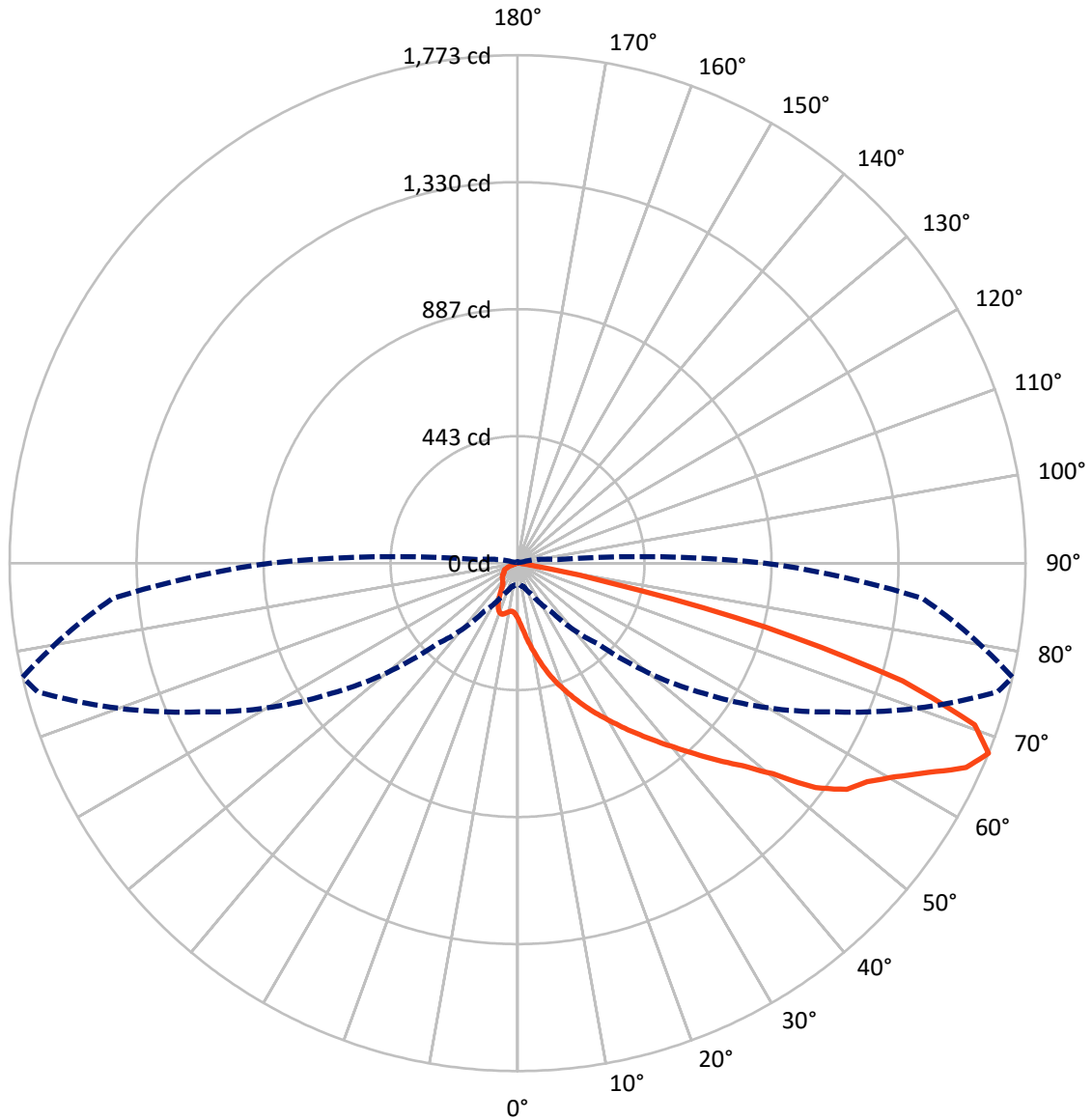
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.5 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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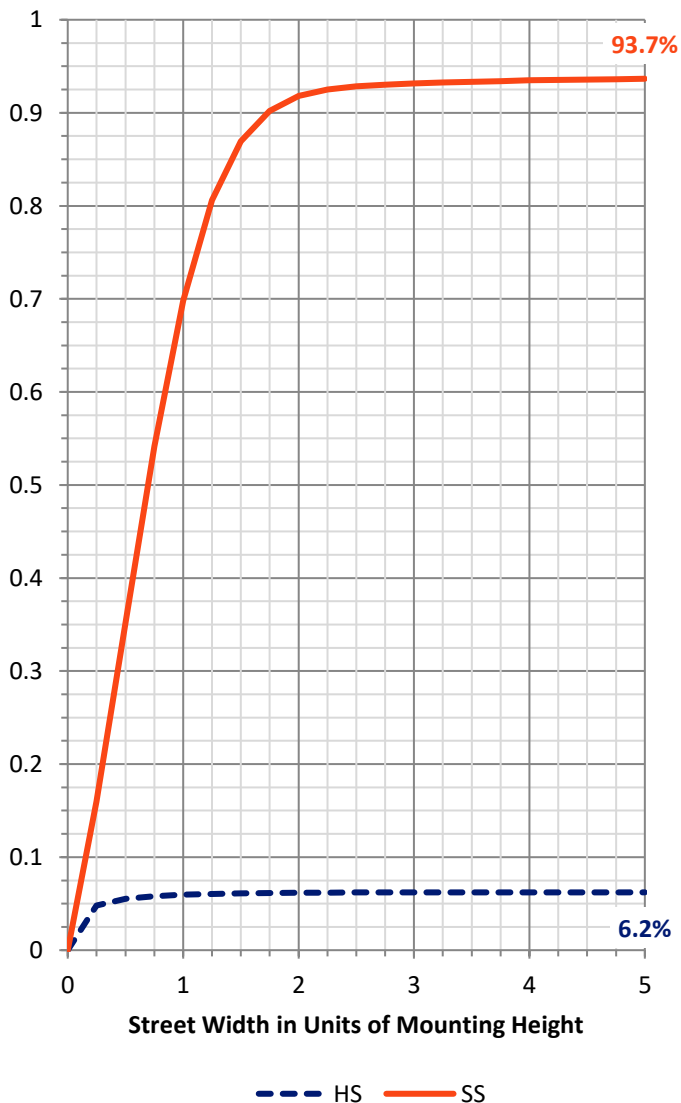
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	126.1	0.0	126.1
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	1891.1	0.0	1891.1
	% Fixture	93.8	0.0	93.8
Total	Lumens	2017.2	0.0	2017.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.7	1.1
10°-20°	84.0	4.2
20°-30°	164.0	8.1
30°-40°	286.8	14.2
40°-50°	418.3	20.7
50°-60°	489.1	24.2
60°-70°	396.5	19.7
70°-80°	149.0	7.4
80°-90°	6.8	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°	2017.2	100.0
0°-180°	2017.2	100.0



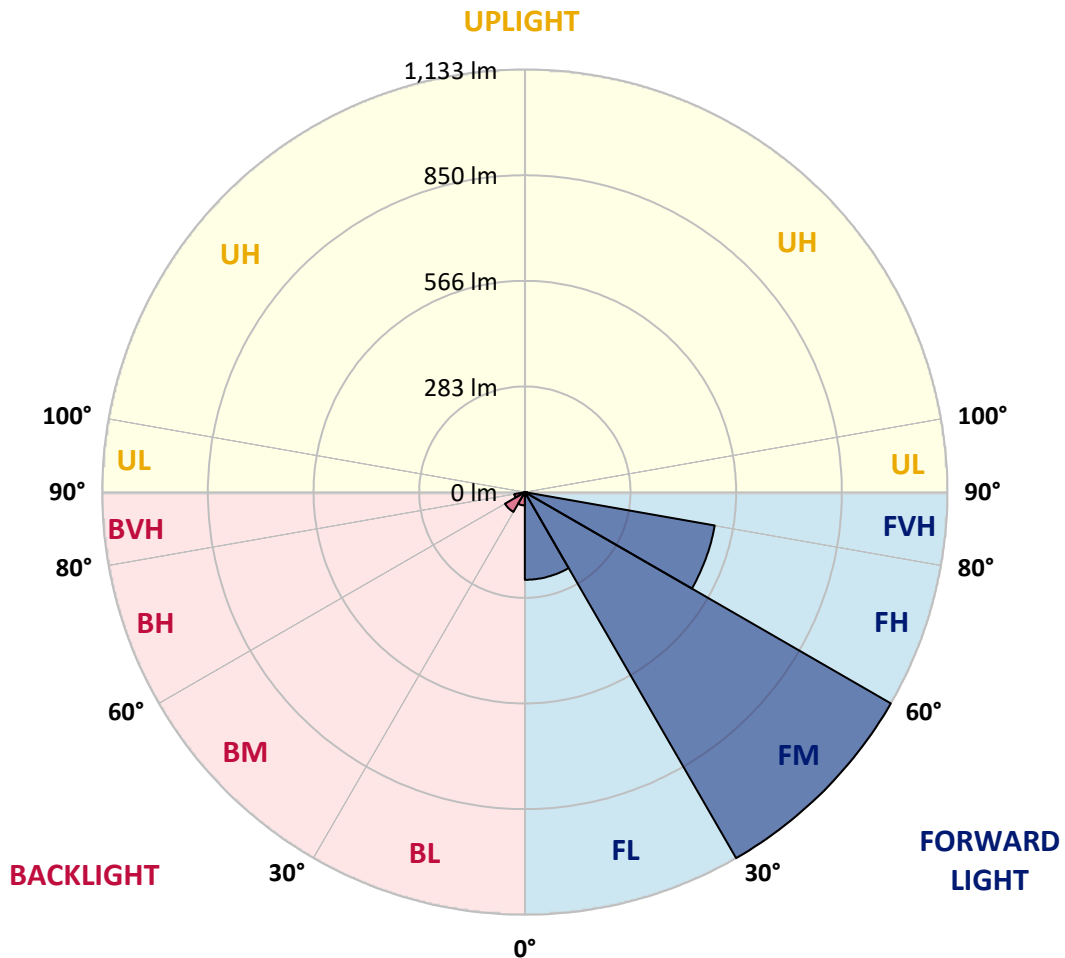
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	235.0	11.6			
FM (30°-60°)	1132.9	56.2			
FH (60°-80°)	516.9	25.6			G0/660
FVH (80°-90°)	6.4	0.3			G0/10
BL (0°-30°)	35.7	1.8	B0/110		
BM (30°-60°)	61.3	3.0	B0/220		
BH (60°-80°)	28.6	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°	193.2	193.2	193.2	193.2	193.2	193.2	193.2	193.2	193.2	193.2	193.2
2.5°	290.1	279.5	281.5	277.2	271.5	258.4	244.6	230.7	218.3	215.6	203.2
5°	371.5	368.2	364.7	361.8	350.0	333.6	308.7	277.0	248.4	243.5	217.8
7.5°	434.7	429.8	432.8	423.9	411.5	395.7	364.0	330.1	286.1	278.8	238.9
10°	481.3	478.6	480.0	475.8	469.8	454.0	422.6	380.2	329.2	315.4	262.6
12.5°	516.2	516.8	523.2	523.5	518.6	505.7	472.5	428.3	368.4	356.0	288.8
15°	541.7	542.3	550.1	558.5	564.1	557.4	527.4	477.8	414.5	397.5	316.3
17.5°	545.9	546.3	560.1	577.1	594.5	600.4	577.2	527.0	456.5	437.2	347.8
20°	548.7	551.8	564.1	583.6	611.3	629.3	616.8	574.2	497.3	474.9	378.8
22.5°	581.8	581.8	589.1	602.9	625.0	653.2	650.6	617.5	537.0	514.8	409.5
25°	652.1	652.1	645.0	641.3	653.2	675.4	681.8	663.7	582.3	556.1	442.0
27.5°	745.1	745.1	734.0	707.3	697.1	706.4	713.1	704.0	624.2	598.4	476.2
30°	841.7	844.9	825.6	791.6	755.9	748.8	742.2	740.2	668.8	639.7	511.0
32.5°	938.5	938.2	914.1	871.7	825.1	800.0	778.6	776.3	716.2	687.6	543.9
35°	1015.9	1016.1	990.8	947.3	893.4	861.3	827.1	816.0	768.1	736.2	583.3
37.5°	1082.9	1079.1	1051.8	1010.5	960.2	927.1	884.4	855.5	821.8	789.4	622.6
40°	1121.4	1116.3	1089.7	1050.3	1012.3	987.0	949.5	903.2	880.8	845.8	667.4
42.5°	1127.0	1122.6	1105.0	1081.3	1050.2	1027.9	1017.9	957.1	942.7	911.0	720.9
45°	1111.2	1104.1	1098.2	1085.8	1077.1	1066.4	1080.0	1014.5	1013.7	982.2	773.9
47.5°	1071.8	1062.2	1063.6	1077.3	1087.1	1096.8	1139.4	1089.7	1085.3	1055.8	843.5
50°	1004.6	999.9	1015.9	1042.9	1081.8	1120.4	1198.6	1166.5	1183.8	1156.1	939.4
52.5°	868.1	873.9	921.8	986.6	1054.0	1131.6	1254.1	1281.2	1325.5	1302.7	1036.0
55°	704.2	702.0	765.9	881.0	988.6	1124.5	1278.3	1348.8	1418.4	1394.5	1089.7
57.5°	567.2	571.1	614.2	728.0	877.7	1069.6	1284.0	1384.1	1455.7	1439.8	1139.4
60°	425.7	429.4	468.7	567.8	730.2	955.3	1237.4	1396.5	1525.8	1513.8	1218.8
62.5°	271.0	275.7	315.2	411.5	558.1	777.6	1132.6	1383.6	1599.0	1609.0	1327.1
65°	133.3	137.5	166.6	240.4	373.1	581.4	986.6	1334.2	1692.2	1720.8	1414.0
67.5°	73.7	75.8	85.8	122.4	208.1	398.8	792.9	1228.8	1735.0	1773.3	1419.8
70°	57.4	57.9	61.7	71.4	101.4	234.0	564.0	1053.3	1646.3	1692.6	1301.6
72.5°	48.3	49.0	50.8	54.1	63.4	121.8	354.4	814.0	1385.2	1406.2	1007.0
75°	35.3	36.4	41.5	44.4	50.1	73.9	156.2	489.1	915.4	894.8	563.4
77.5°	29.7	30.6	31.9	36.1	41.3	50.4	54.8	205.0	372.6	324.0	147.9
80°	20.2	21.3	24.8	27.0	35.0	33.3	22.8	55.0	74.8	61.0	28.4
82.5°	14.4	15.3	17.1	22.0	25.3	17.7	12.4	16.8	18.0	17.1	9.3
85°	4.6	5.8	12.4	18.2	13.7	6.0	7.8	6.4	5.6	5.5	3.6
87.5°	0.9	0.9	6.2	7.3	5.5	3.1	2.7	2.0	2.5	2.5	2.0
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°	193.2	193.2	193.2	193.2	193.2	193.2	193.2	193.2	193.2	193.2	193.2
2.5°	197.4	189.2	177.4	166.3	155.0	147.0	141.3	135.7	133.5	132.6	130.2
5°	206.1	190.5	167.0	148.0	134.2	125.5	120.2	115.6	112.7	111.8	110.5
7.5°	218.7	196.1	162.4	140.6	126.7	117.3	108.7	98.9	91.0	88.0	86.7
10°	232.4	204.7	163.2	139.1	120.7	100.0	80.9	65.0	58.1	55.5	53.7
12.5°	252.4	214.1	166.3	137.5	102.7	71.4	51.7	45.2	43.5	43.2	42.8
15°	272.4	227.4	171.4	126.6	76.7	48.6	43.0	40.6	39.7	38.8	38.8
17.5°	292.6	240.2	173.4	105.3	53.0	42.1	39.2	37.1	35.7	35.0	34.4
20°	315.4	253.7	167.5	79.2	42.4	38.4	35.1	32.8	31.5	30.8	30.2
22.5°	340.0	267.0	154.8	55.2	38.6	34.6	31.5	29.1	27.9	27.1	27.0
25°	363.1	278.4	134.4	41.5	34.8	31.0	28.0	26.0	25.1	24.4	24.2
27.5°	387.0	288.3	107.8	36.6	31.7	28.0	25.1	23.5	22.6	22.0	21.9
30°	410.3	295.0	80.3	33.5	29.0	25.3	22.8	21.5	20.6	20.0	19.8
32.5°	434.3	298.8	54.3	30.8	26.2	22.9	20.8	19.5	18.9	18.4	18.4
35°	457.4	298.3	39.2	28.2	24.0	20.8	18.8	17.8	17.7	17.1	17.1
37.5°	482.7	294.5	33.3	25.9	21.7	18.8	17.1	16.6	16.4	16.0	15.8
40°	511.5	285.9	30.4	24.0	19.7	17.1	15.7	15.3	15.1	14.7	14.7
42.5°	543.0	274.8	28.8	22.0	18.0	15.5	14.4	13.8	13.7	13.3	13.3
45°	579.6	264.2	27.7	20.0	16.6	14.2	13.1	12.6	12.4	12.0	12.0
47.5°	629.5	258.2	25.9	18.2	14.9	12.9	11.8	11.5	11.1	10.7	10.7
50°	698.2	251.1	23.5	16.4	13.7	11.7	10.9	10.4	10.2	9.8	9.8
52.5°	754.6	236.0	21.1	14.6	12.2	10.7	10.0	9.7	9.3	9.1	9.1
55°	774.5	218.3	18.8	13.1	11.1	10.0	9.3	8.9	8.7	8.6	8.6
57.5°	806.1	212.7	16.6	11.7	10.0	9.3	8.6	8.4	8.2	8.0	7.8
60°	860.2	216.0	14.6	10.4	9.1	8.4	7.8	7.6	7.3	6.9	6.9
62.5°	912.7	212.0	12.4	9.1	7.8	7.5	6.9	6.6	5.8	5.3	4.9
65°	925.4	185.2	10.7	7.6	6.6	6.2	5.6	4.9	3.8	3.1	3.1
67.5°	863.7	140.8	9.3	6.6	5.5	5.1	4.0	3.3	2.4	1.8	1.8
70°	712.7	89.2	7.6	5.1	4.6	3.5	2.5	2.4	1.6	1.5	1.3
72.5°	514.2	48.8	6.4	4.2	3.3	2.2	1.8	1.5	1.1	0.7	0.7
75°	260.4	22.9	4.7	3.3	2.2	1.5	1.1	0.7	0.7	0.5	0.5
77.5°	73.7	10.6	3.1	2.2	1.5	0.9	0.7	0.5	0.5	0.4	0.4
80°	14.6	5.3	2.0	1.5	1.1	0.7	0.5	0.4	0.4	0.2	0.2
82.5°	5.3	2.7	1.5	1.1	0.9	0.7	0.4	0.2	0.2	0.0	0.0
85°	2.7	1.5	1.1	0.9	0.7	0.5	0.4	0.2	0.0	0.0	0.0
87.5°	1.5	1.1	0.9	0.9	0.7	0.5	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)