

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: P672154

Luminaire Tested: **CCP-SA-1A-830-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672154
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-830-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T2R distribution lens
Light Source: (16) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

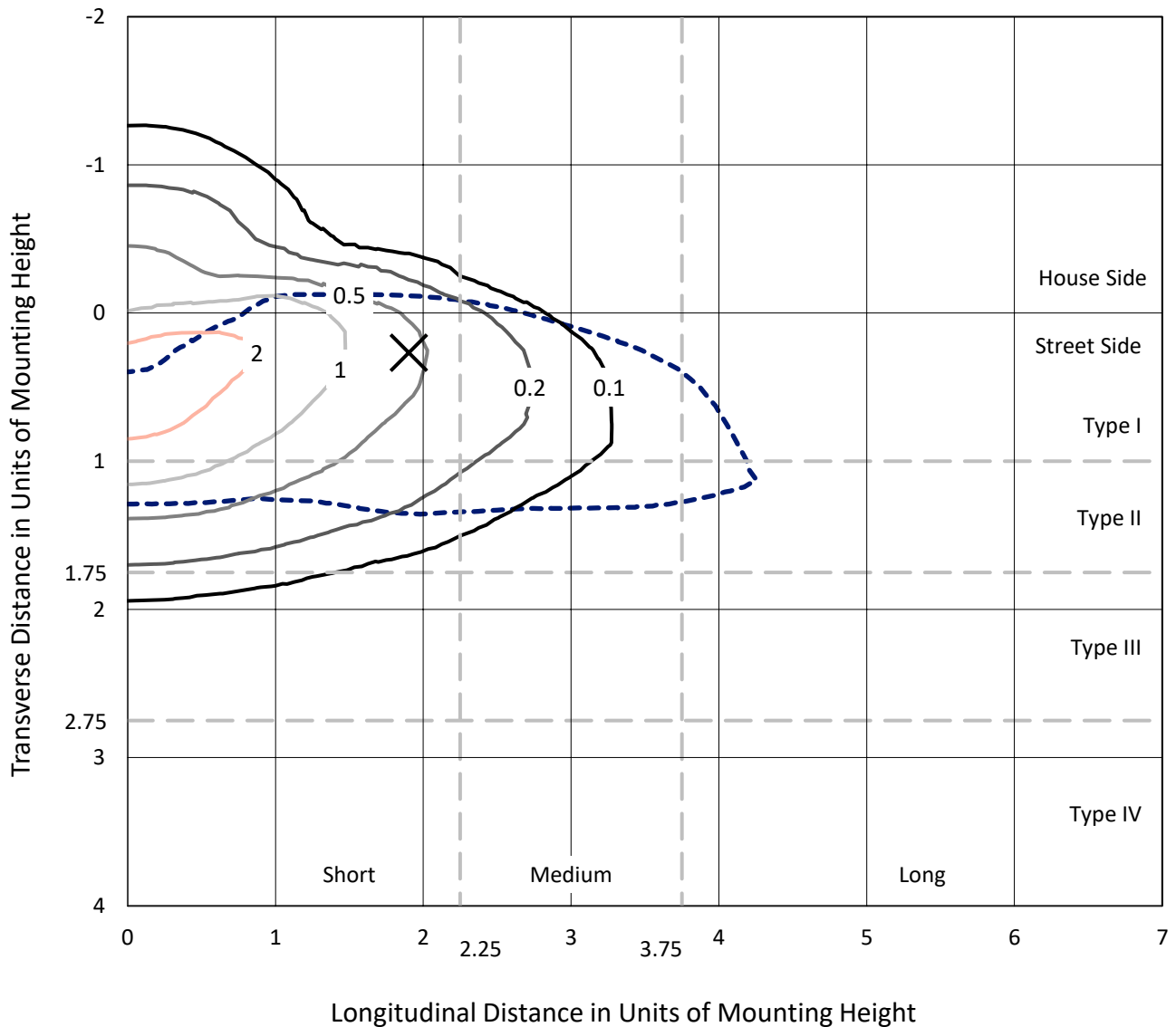
Lumens per Lamp: N/A
Luminaire Lumens: 2208.2 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

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

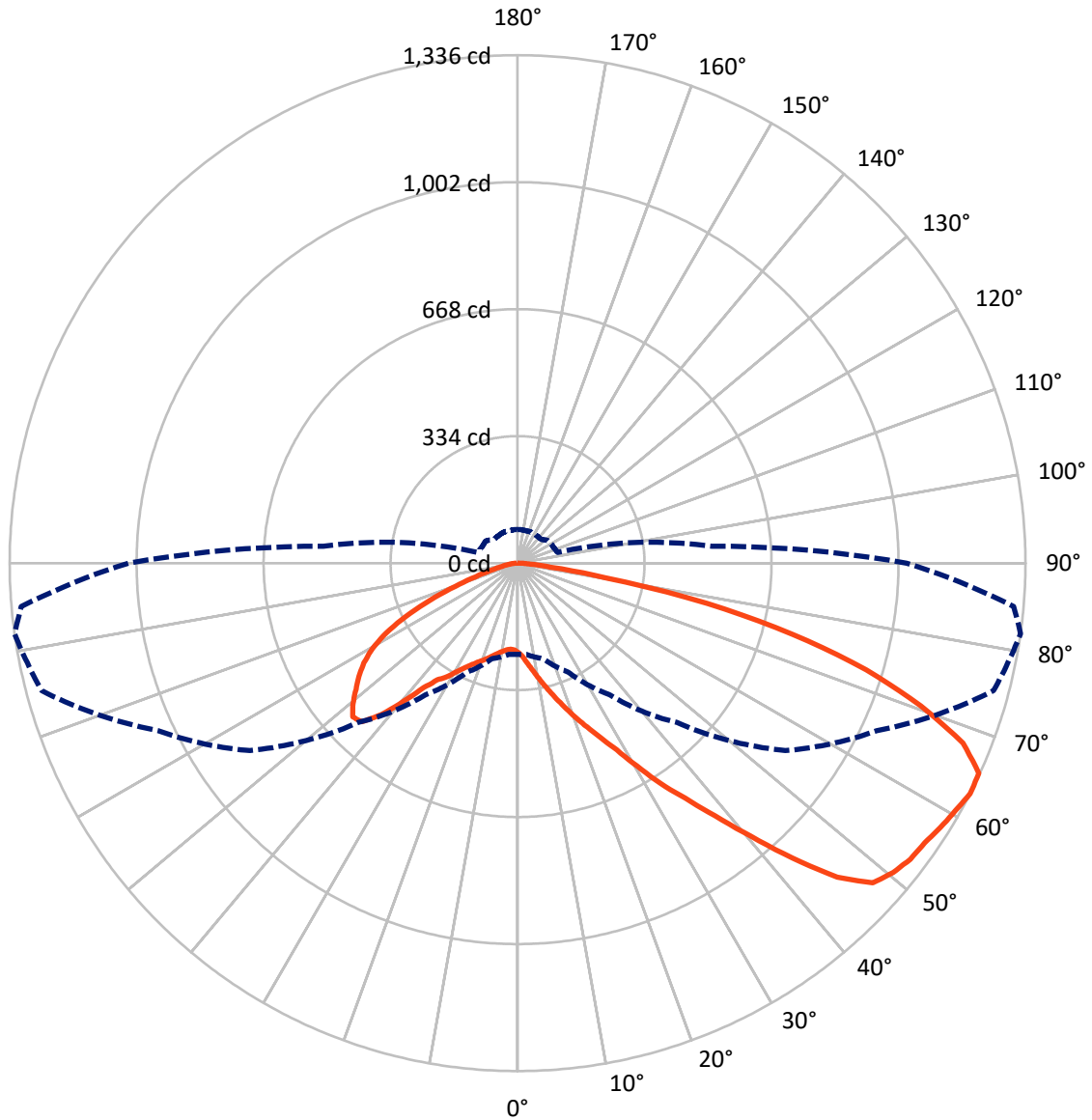
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical



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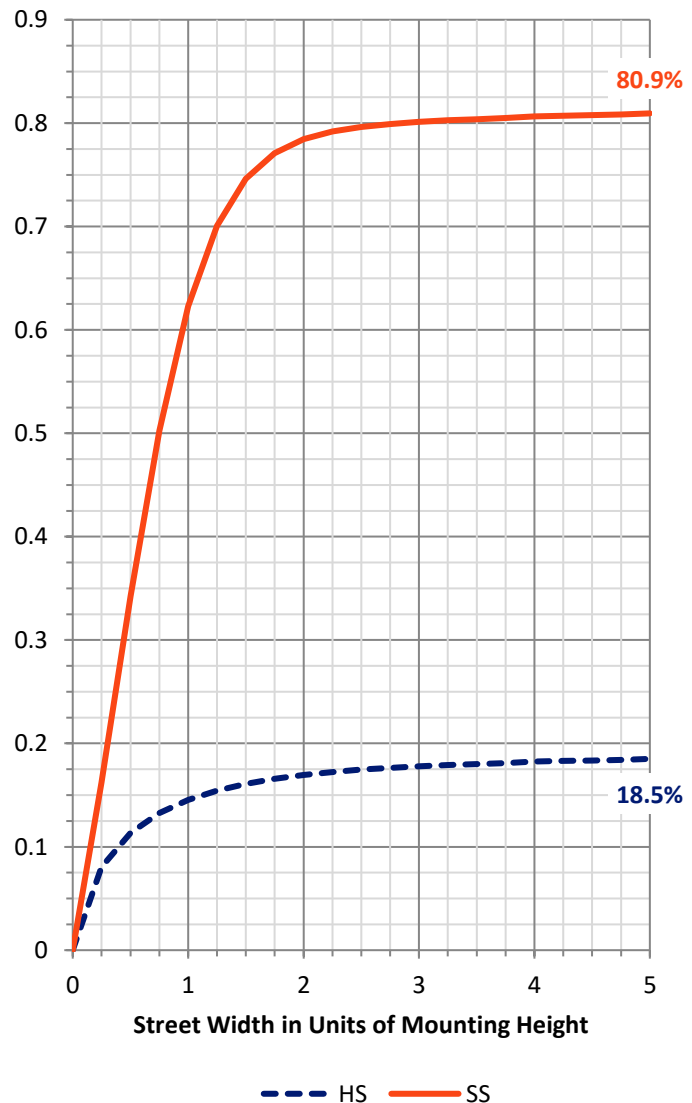
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	416.0	0.0	416.0
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	1792.1	0.0	1792.1
	% Fixture	81.2	0.0	81.2
Total	Lumens	2208.2	0.0	2208.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.0	1.2
10°-20°	98.0	4.4
20°-30°	203.0	9.2
30°-40°	344.5	15.6
40°-50°	469.1	21.2
50°-60°	474.9	21.5
60°-70°	374.2	16.9
70°-80°	184.4	8.3
80°-90°	34.1	1.5
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°	2208.2	100.0
0°-180°	2208.2	100.0



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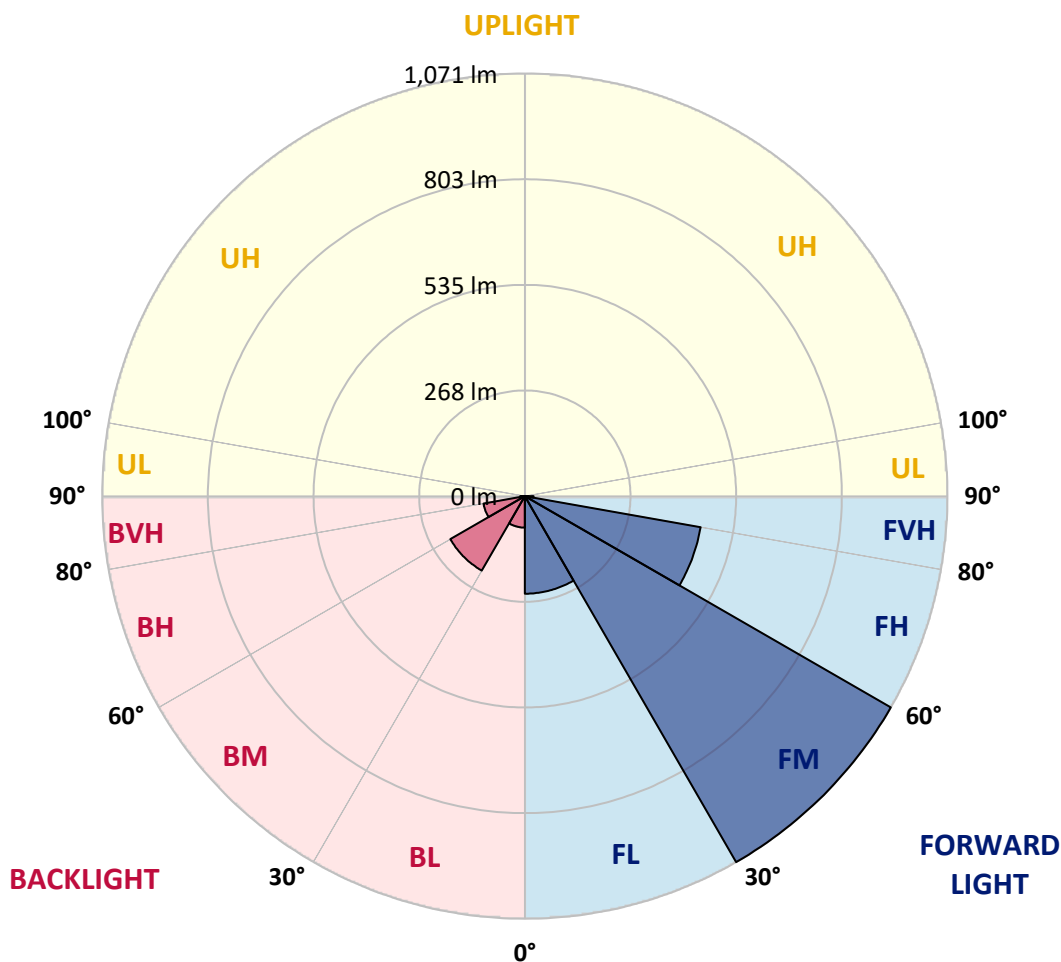
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	247.1	11.2			
FM (30°-60°)	1070.6	48.5			
FH (60°-80°)	452.3	20.5			G0/660
FVH (80°-90°)	22.2	1.0			G1/100
BL (0°-30°)	79.8	3.6	B0/110		
BM (30°-60°)	217.9	9.9	B0/220		
BH (60°-80°)	106.3	4.8	B0/110		G0/110
BVH (80°-90°)	11.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	234.8	234.8	234.8	234.8	234.8	234.8	234.8	234.8	234.8	234.8	234.8
2.5°	312.7	308.0	305.4	302.5	294.6	289.5	280.0	268.8	256.0	245.0	242.9
5°	378.7	373.9	374.6	367.6	356.0	345.2	327.4	306.4	281.9	263.1	256.6
7.5°	425.3	420.0	421.3	418.4	409.1	397.1	374.6	347.5	311.8	283.9	273.5
10°	456.4	457.1	458.0	456.9	450.9	442.5	420.0	390.1	345.6	308.6	294.3
12.5°	491.7	493.5	493.2	493.6	490.5	483.8	461.9	433.7	381.7	335.1	316.5
15°	536.7	535.0	536.4	538.5	535.0	527.7	508.3	474.9	419.6	364.7	341.7
17.5°	586.0	582.4	586.2	584.1	581.6	576.8	555.5	519.9	458.7	396.7	369.6
20°	628.6	626.2	628.3	628.6	629.1	628.2	606.2	568.4	499.7	431.5	399.8
22.5°	676.5	675.4	675.1	675.2	675.7	676.8	661.9	621.5	545.2	468.1	432.4
25°	743.4	742.3	735.0	726.9	722.1	725.6	717.8	681.7	595.4	509.1	468.2
27.5°	818.5	816.7	807.0	786.5	771.2	773.8	773.0	748.2	653.3	556.1	511.1
30°	896.4	892.1	878.7	849.9	825.9	821.5	823.7	815.4	726.1	618.6	570.9
32.5°	965.8	957.9	940.2	911.1	882.5	869.6	870.0	873.6	805.3	691.4	633.6
35°	1008.3	1003.0	989.8	960.4	928.5	919.9	917.5	935.8	877.9	758.8	689.7
37.5°	1031.2	1026.1	1011.9	988.3	964.1	960.6	965.0	993.3	960.4	842.9	766.0
40°	1027.0	1021.6	1012.4	995.9	980.0	982.7	1002.4	1046.1	1050.6	943.6	874.7
42.5°	993.0	987.3	986.5	985.4	977.9	989.8	1025.5	1084.8	1133.4	1059.8	1006.4
45°	932.9	929.4	933.6	952.6	962.0	985.1	1036.3	1103.5	1206.2	1177.9	1130.9
47.5°	856.8	854.7	864.1	894.3	924.7	970.4	1043.4	1108.6	1256.3	1256.3	1212.4
50°	771.6	770.8	783.2	827.0	874.6	943.6	1042.6	1113.4	1278.2	1279.4	1241.2
52.5°	652.6	656.8	689.8	747.7	812.3	901.4	1031.5	1126.7	1290.6	1293.2	1260.4
55°	515.6	519.6	569.5	647.4	730.1	850.3	998.3	1122.8	1293.0	1298.8	1271.4
57.5°	411.6	412.4	443.6	536.1	638.5	784.8	960.0	1096.4	1286.0	1311.0	1288.3
60°	322.1	324.6	345.5	418.8	532.3	700.3	917.2	1070.3	1290.0	1322.6	1303.5
62.5°	239.9	240.5	259.9	316.7	422.9	592.7	859.2	1042.5	1295.6	1335.6	1309.7
65°	156.3	156.1	174.9	226.1	315.9	476.5	768.1	998.9	1296.0	1332.8	1281.3
67.5°	99.4	100.0	108.1	140.4	211.5	359.6	644.0	918.0	1273.5	1263.5	1177.6
70°	80.6	80.8	83.3	91.7	128.8	245.8	484.1	791.4	1202.1	1125.3	1023.5
72.5°	71.9	72.0	73.3	74.2	85.9	147.7	317.7	642.6	1075.2	959.2	849.1
75°	64.5	64.5	65.3	64.4	70.4	92.7	180.3	483.2	885.5	746.9	641.5
77.5°	56.6	56.4	56.4	56.0	60.9	67.7	90.3	337.2	637.8	509.4	416.1
80°	48.0	47.7	48.2	47.9	52.6	51.4	52.6	208.1	345.8	233.5	177.1
82.5°	37.4	37.4	38.8	39.1	43.4	37.2	37.0	98.7	131.3	87.3	65.3
85°	19.6	21.9	29.6	30.8	32.8	23.4	27.2	46.1	52.6	33.4	23.8
87.5°	5.9	6.2	18.1	20.4	20.2	11.8	16.7	22.3	24.6	14.8	9.7
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°	234.8	234.8	234.8	234.8	234.8	234.8	234.8	234.8	234.8	234.8	234.8
2.5°	237.7	232.1	220.4	209.9	201.9	194.3	189.0	186.3	182.8	183.3	182.2
5°	245.0	233.5	212.7	195.9	184.6	176.0	170.8	168.0	165.5	164.2	165.2
7.5°	256.0	238.2	209.1	188.7	177.0	169.6	166.8	166.0	165.3	164.9	165.7
10°	270.1	246.3	208.4	186.2	175.4	170.9	169.8	169.3	168.7	168.0	168.5
12.5°	284.6	255.2	210.7	186.8	177.9	174.6	173.1	172.5	170.9	170.1	170.3
15°	302.7	266.0	213.7	189.4	181.2	177.0	175.0	173.3	170.8	169.6	170.1
17.5°	322.1	278.9	217.8	191.7	182.5	177.3	173.5	170.9	168.4	166.8	166.9
20°	344.0	291.6	221.5	192.5	181.9	174.6	170.0	166.9	163.6	161.8	161.4
22.5°	366.8	304.9	224.3	191.9	178.4	170.0	164.7	161.1	157.1	154.4	154.5
25°	394.4	323.1	226.7	189.7	173.8	163.9	158.0	153.4	149.3	146.7	146.9
27.5°	427.7	343.6	229.6	186.2	168.2	157.4	150.6	145.9	142.0	139.6	139.3
30°	472.0	370.3	232.8	181.9	161.2	150.2	143.6	138.8	135.0	132.8	132.8
32.5°	521.9	402.9	235.0	176.8	153.4	142.6	136.6	132.8	129.9	126.9	126.6
35°	565.4	428.1	241.8	172.8	146.6	135.5	131.3	128.6	124.3	121.5	121.0
37.5°	629.1	472.7	262.0	171.7	138.3	129.9	129.1	124.0	119.1	113.7	113.2
40°	731.8	549.8	285.5	166.3	129.7	126.9	126.1	119.2	107.6	104.3	103.7
42.5°	862.5	642.6	288.1	150.6	123.7	124.3	121.9	108.6	103.5	101.0	100.3
45°	980.5	718.0	273.6	134.5	119.2	120.5	115.6	104.6	101.8	99.4	98.7
47.5°	1046.8	741.2	246.3	122.4	115.9	117.2	105.4	102.7	99.8	97.5	96.8
50°	1065.4	721.0	214.5	115.4	113.4	113.8	102.7	101.1	98.6	96.7	95.7
52.5°	1069.0	690.8	185.1	111.3	111.4	107.2	100.3	99.0	97.5	94.4	93.3
55°	1070.6	663.6	158.7	108.7	110.2	98.6	97.8	96.8	95.6	92.4	91.7
57.5°	1074.7	628.8	138.0	106.8	108.6	94.6	94.9	94.3	92.7	91.3	90.9
60°	1063.0	580.6	122.1	104.9	106.4	91.3	91.6	91.9	90.5	90.1	90.0
62.5°	1023.5	512.3	108.6	102.4	101.8	87.9	87.9	89.2	87.9	88.4	88.4
65°	942.3	425.1	96.5	97.6	94.6	84.3	84.1	86.3	84.4	86.5	86.6
67.5°	803.8	321.8	84.1	90.1	87.1	80.4	81.1	82.8	80.3	84.6	84.6
70°	636.3	218.9	71.2	79.7	79.5	76.2	78.2	78.1	75.2	81.6	80.4
72.5°	473.9	140.5	58.0	66.8	69.5	71.5	75.4	72.0	69.3	73.0	69.6
75°	331.2	88.1	45.8	52.8	57.9	66.5	71.9	65.2	61.2	60.1	59.1
77.5°	198.3	56.3	36.1	40.2	45.2	60.4	67.4	58.0	52.0	51.4	49.4
80°	91.4	36.7	27.5	30.0	32.1	51.8	61.4	49.6	42.3	41.7	39.4
82.5°	41.3	24.2	20.5	21.5	21.6	41.2	51.8	39.3	32.3	52.3	45.3
85°	19.2	15.6	13.4	12.7	12.9	27.5	37.7	27.0	36.7	28.6	21.8
87.5°	8.3	7.9	6.8	5.4	4.9	5.9	14.5	11.3	16.1	6.4	4.3
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)