

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: P672187

Luminaire Tested: **CCP-SA-1A-850-U-T2R**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P672187
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-850-U-T2R
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T2R distribution lens
Light Source: (16) 5000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

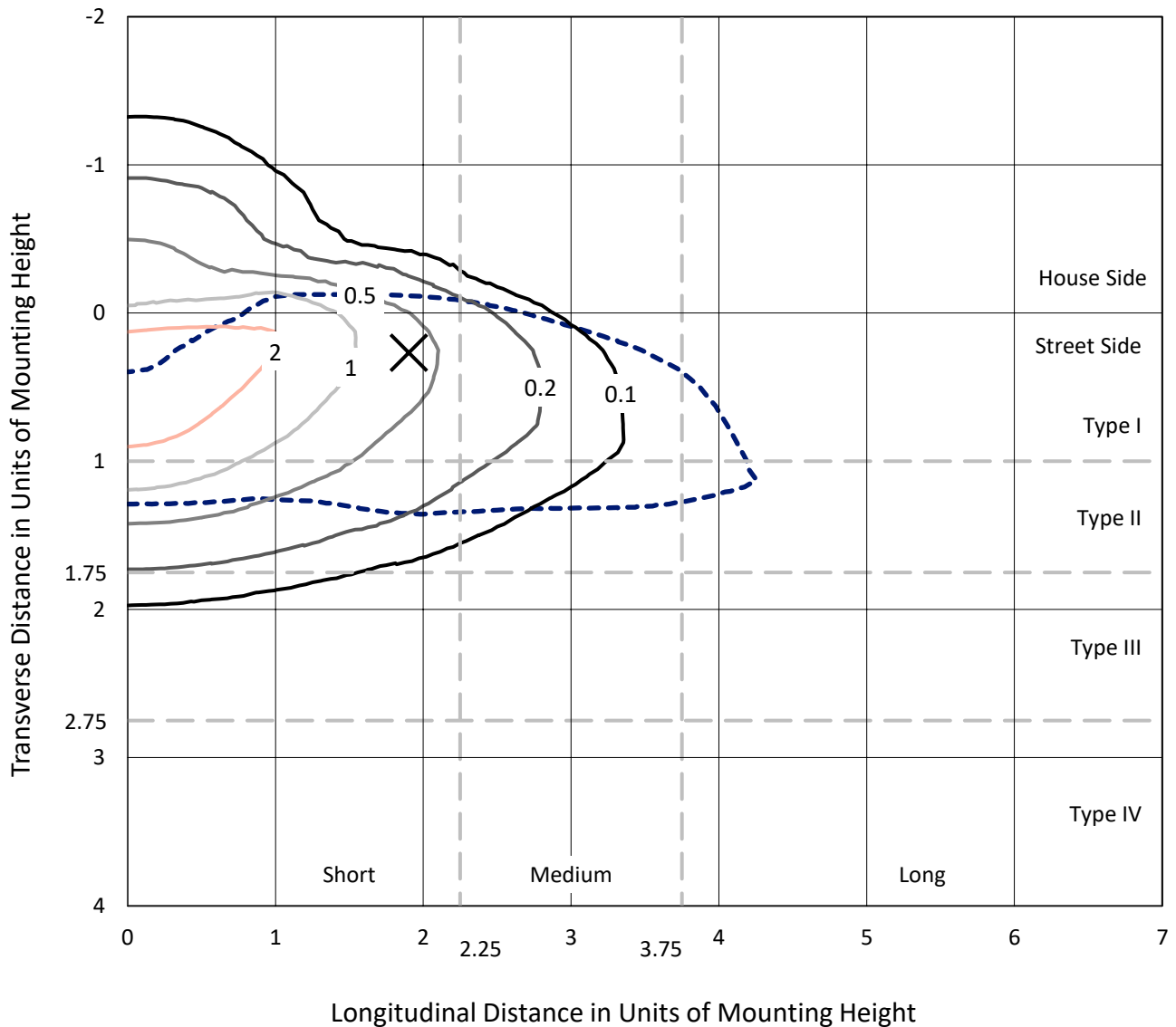
Lumens per Lamp: N/A
Luminaire Lumens: 2424.9 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

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

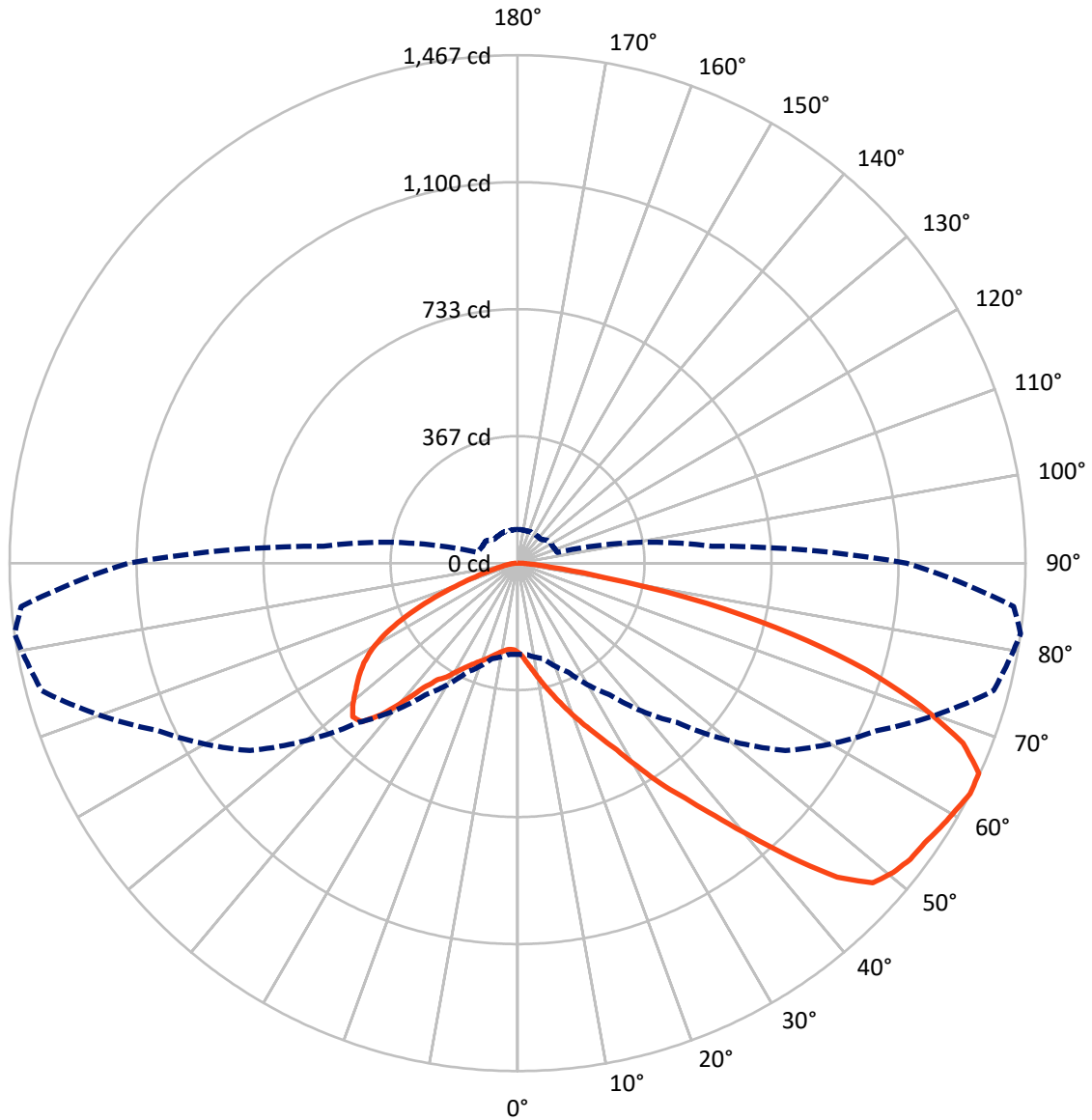
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 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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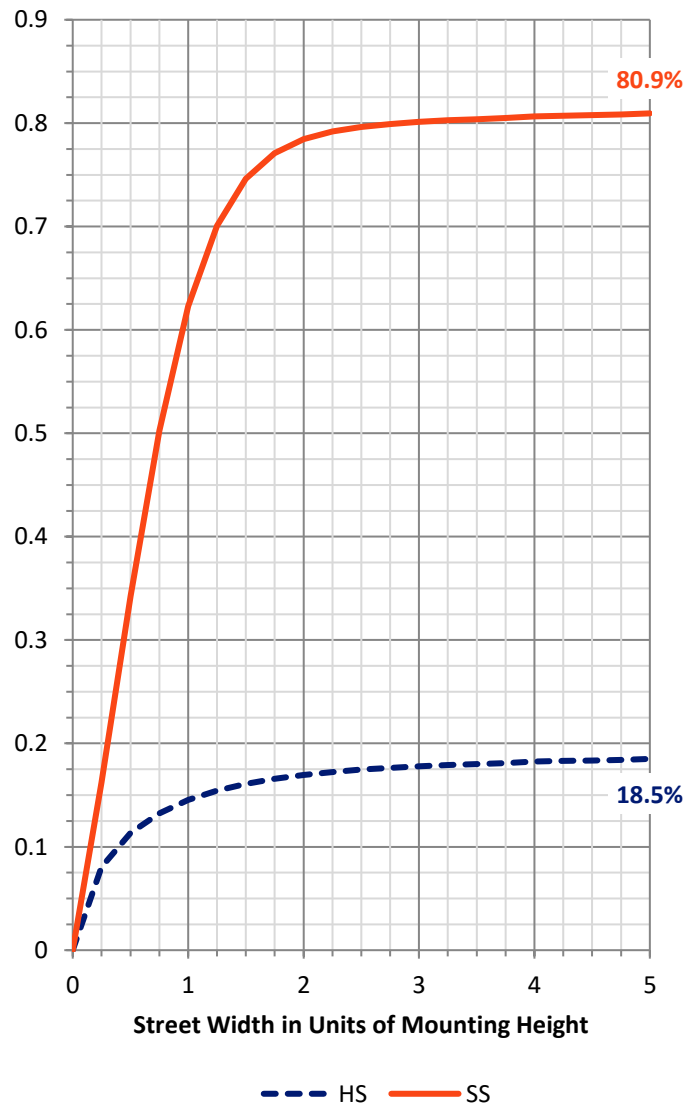
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	456.8	0.0	456.8
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	1968.1	0.0	1968.1
	% Fixture	81.2	0.0	81.2
Total	Lumens	2424.9	0.0	2424.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.5	1.2
10°-20°	107.6	4.4
20°-30°	222.9	9.2
30°-40°	378.3	15.6
40°-50°	515.2	21.2
50°-60°	521.5	21.5
60°-70°	411.0	16.9
70°-80°	202.5	8.3
80°-90°	37.4	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°	2424.9	100.0
0°-180°	2424.9	100.0



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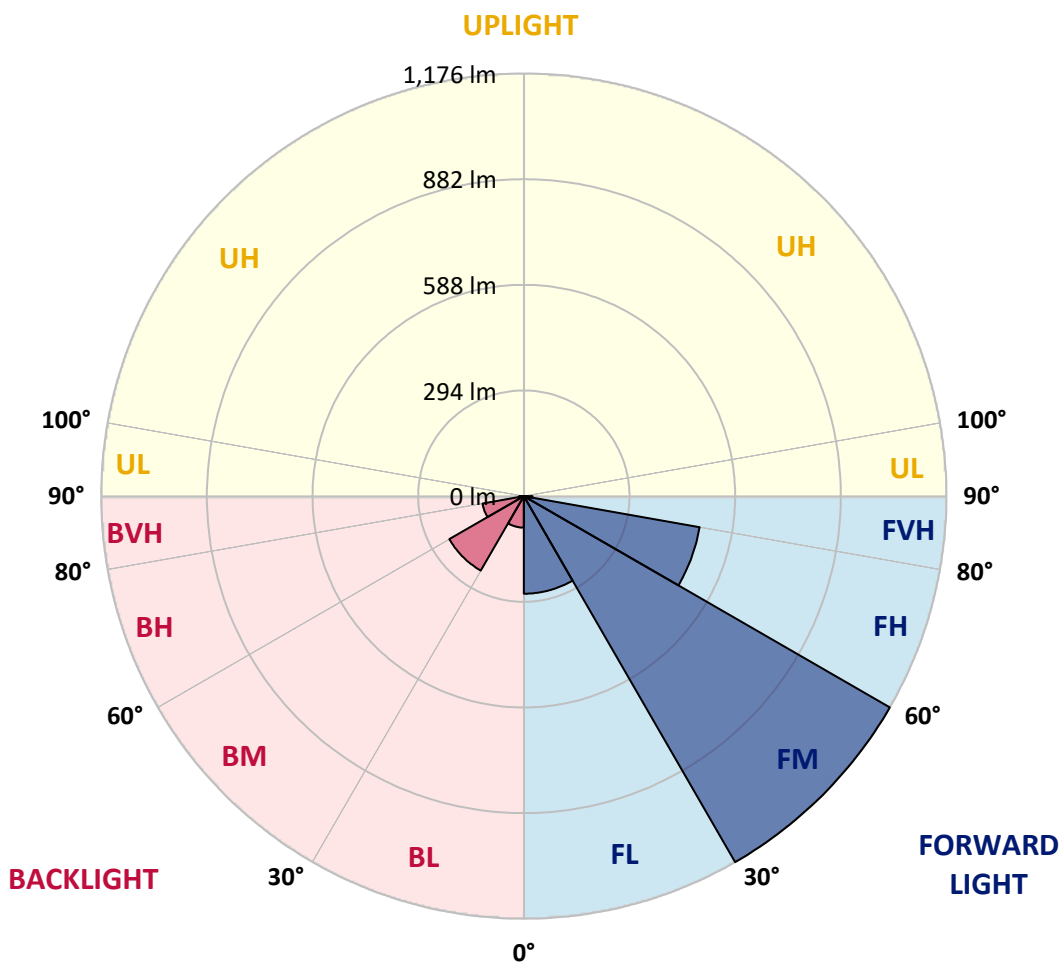
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	271.4	11.2			
FM (30°-60°)	1175.7	48.5			
FH (60°-80°)	496.7	20.5			G0/660
FVH (80°-90°)	24.3	1.0			G1/100
BL (0°-30°)	87.7	3.6	B0/110		
BM (30°-60°)	239.3	9.9	B1/1000		
BH (60°-80°)	116.8	4.8	B1/500		G1/500
BVH (80°-90°)	13.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9
2.5°	343.4	338.2	335.4	332.2	323.5	317.9	307.5	295.2	281.1	269.0	266.8
5°	415.9	410.6	411.3	403.7	390.9	379.0	359.5	336.4	309.6	288.9	281.8
7.5°	467.0	461.3	462.7	459.5	449.2	436.1	411.3	381.7	342.4	311.8	300.3
10°	501.3	502.0	503.0	501.8	495.1	485.9	461.3	428.4	379.6	338.9	323.2
12.5°	540.0	541.9	541.6	542.1	538.6	531.3	507.2	476.3	419.2	368.0	347.6
15°	589.4	587.5	589.1	591.3	587.5	579.5	558.2	521.5	460.7	400.5	375.2
17.5°	643.5	639.5	643.7	641.4	638.7	633.4	610.0	570.9	503.7	435.6	405.9
20°	690.3	687.7	690.0	690.3	690.9	689.8	665.7	624.2	548.7	473.8	439.1
22.5°	742.9	741.7	741.3	741.5	742.0	743.2	726.8	682.5	598.7	514.0	474.9
25°	816.4	815.2	807.1	798.2	793.0	796.8	788.3	748.6	653.8	559.0	514.2
27.5°	898.8	896.9	886.2	863.7	846.9	849.7	848.9	821.6	717.4	610.7	561.3
30°	984.3	979.6	965.0	933.4	907.0	902.1	904.6	895.5	797.4	679.3	627.0
32.5°	1060.6	1051.9	1032.5	1000.6	969.2	955.0	955.4	959.4	884.3	759.3	695.7
35°	1107.3	1101.5	1087.0	1054.7	1019.6	1010.2	1007.6	1027.6	964.1	833.3	757.4
37.5°	1132.4	1126.8	1111.3	1085.3	1058.7	1054.9	1059.8	1090.8	1054.7	925.7	841.2
40°	1127.9	1121.9	1111.8	1093.6	1076.2	1079.2	1100.8	1148.8	1153.7	1036.2	960.6
42.5°	1090.5	1084.2	1083.3	1082.1	1073.9	1087.0	1126.1	1191.2	1244.7	1163.8	1105.2
45°	1024.5	1020.7	1025.2	1046.2	1056.5	1081.8	1138.0	1211.8	1324.6	1293.5	1241.9
47.5°	940.9	938.6	948.9	982.1	1015.4	1065.7	1145.8	1217.4	1379.6	1379.6	1331.4
50°	847.3	846.4	860.0	908.2	960.4	1036.2	1145.0	1222.7	1403.7	1404.9	1363.0
52.5°	716.7	721.2	757.6	821.1	892.0	989.9	1132.8	1237.3	1417.3	1420.1	1384.2
55°	566.2	570.6	625.4	710.9	801.7	933.7	1096.3	1233.0	1420.0	1426.2	1396.2
57.5°	452.0	452.9	487.1	588.7	701.2	861.8	1054.2	1204.0	1412.3	1439.7	1414.7
60°	353.7	356.5	379.4	459.9	584.5	769.1	1007.2	1175.4	1416.6	1452.4	1431.5
62.5°	263.5	264.2	285.5	347.8	464.4	650.9	943.5	1144.8	1422.7	1466.7	1438.3
65°	171.6	171.4	192.1	248.3	346.9	523.3	843.5	1097.0	1423.3	1463.6	1407.0
67.5°	109.1	109.8	118.7	154.2	232.2	394.9	707.3	1008.1	1398.5	1387.5	1293.2
70°	88.5	88.7	91.5	100.7	141.4	269.9	531.6	869.1	1320.1	1235.8	1124.0
72.5°	78.9	79.1	80.5	81.5	94.3	162.2	348.8	705.7	1180.8	1053.3	932.5
75°	70.9	70.9	71.8	70.7	77.3	101.8	198.0	530.6	972.5	820.2	704.5
77.5°	62.2	62.0	62.0	61.5	66.9	74.4	99.2	370.3	700.5	559.4	456.9
80°	52.7	52.4	52.9	52.6	57.8	56.4	57.8	228.5	379.7	256.5	194.5
82.5°	41.0	41.0	42.6	42.9	47.7	40.9	40.7	108.4	144.2	95.9	71.8
85°	21.5	24.1	32.5	33.9	36.0	25.7	29.9	50.6	57.8	36.7	26.2
87.5°	6.5	6.8	19.9	22.3	22.2	12.9	18.3	24.4	27.1	16.2	10.7
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°	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9	257.9
2.5°	261.0	254.9	242.0	230.5	221.7	213.4	207.6	204.6	200.8	201.3	200.1
5°	269.0	256.5	233.6	215.1	202.7	193.3	187.5	184.5	181.7	180.4	181.4
7.5°	281.1	261.5	229.6	207.2	194.3	186.3	183.1	182.3	181.6	181.1	181.9
10°	296.6	270.4	228.9	204.4	192.6	187.7	186.5	185.9	185.2	184.5	185.1
12.5°	312.5	280.2	231.3	205.1	195.4	191.7	190.1	189.4	187.7	186.8	187.0
15°	332.4	292.1	234.7	207.9	199.0	194.3	192.2	190.3	187.5	186.3	186.8
17.5°	353.7	306.2	239.2	210.6	200.4	194.7	190.5	187.7	184.9	183.1	183.3
20°	377.8	320.2	243.2	211.4	199.7	191.7	186.6	183.3	179.7	177.7	177.2
22.5°	402.8	334.9	246.3	210.7	195.9	186.6	180.9	176.9	172.5	169.5	169.7
25°	433.2	354.8	249.0	208.3	190.8	180.0	173.5	168.5	163.9	161.1	161.3
27.5°	469.7	377.3	252.1	204.4	184.7	172.8	165.3	160.3	155.9	153.3	152.9
30°	518.4	406.6	255.6	199.7	177.0	165.0	157.7	152.4	148.2	145.8	145.8
32.5°	573.2	442.4	258.0	194.1	168.5	156.6	150.0	145.8	142.6	139.3	139.0
35°	620.8	470.2	265.6	189.8	161.0	148.8	144.2	141.2	136.5	133.4	132.9
37.5°	690.9	519.1	287.7	188.6	151.9	142.6	141.8	136.2	130.8	124.8	124.3
40°	803.6	603.7	313.6	182.6	142.5	139.3	138.5	130.9	118.2	114.5	113.8
42.5°	947.2	705.7	316.4	165.3	135.8	136.5	133.9	119.2	113.7	110.9	110.2
45°	1076.7	788.5	300.5	147.7	130.9	132.3	126.9	114.9	111.7	109.1	108.4
47.5°	1149.5	813.9	270.4	134.4	127.3	128.7	115.8	112.8	109.6	107.0	106.3
50°	1169.9	791.8	235.5	126.8	124.5	125.0	112.8	111.0	108.2	106.2	105.1
52.5°	1174.0	758.6	203.2	122.2	122.4	117.7	110.2	108.8	107.0	103.7	102.5
55°	1175.7	728.7	174.2	119.4	121.0	108.2	107.4	106.3	104.9	101.4	100.7
57.5°	1180.2	690.5	151.5	117.3	119.2	103.9	104.2	103.5	101.8	100.2	99.9
60°	1167.3	637.6	134.1	115.2	116.8	100.2	100.6	100.9	99.3	99.0	98.8
62.5°	1124.0	562.5	119.2	112.4	111.7	96.5	96.5	97.9	96.5	97.1	97.1
65°	1034.8	466.9	106.0	107.2	103.9	92.5	92.4	94.8	92.7	95.0	95.2
67.5°	882.7	353.4	92.4	99.0	95.7	88.3	89.0	91.0	88.2	92.9	92.9
70°	698.7	240.4	78.2	87.5	87.3	83.6	85.9	85.7	82.6	89.6	88.3
72.5°	520.5	154.3	63.7	73.3	76.3	78.6	82.8	79.1	76.1	80.1	76.5
75°	363.7	96.7	50.3	58.0	63.6	73.0	78.9	71.6	67.2	66.0	64.9
77.5°	217.7	61.8	39.6	44.2	49.6	66.3	74.0	63.7	57.1	56.4	54.3
80°	100.4	40.3	30.2	33.0	35.3	56.9	67.4	54.5	46.4	45.7	43.3
82.5°	45.4	26.5	22.5	23.6	23.7	45.2	56.9	43.1	35.4	57.4	49.8
85°	21.1	17.1	14.7	14.0	14.1	30.2	41.4	29.7	40.3	31.4	23.9
87.5°	9.1	8.7	7.5	5.9	5.4	6.5	15.9	12.4	17.6	7.0	4.7
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)