

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: P671357

Luminaire Tested: **CCP-SA-1A-727-U-SL3**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P671357
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1A-727-U-SL3
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ SL3 distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

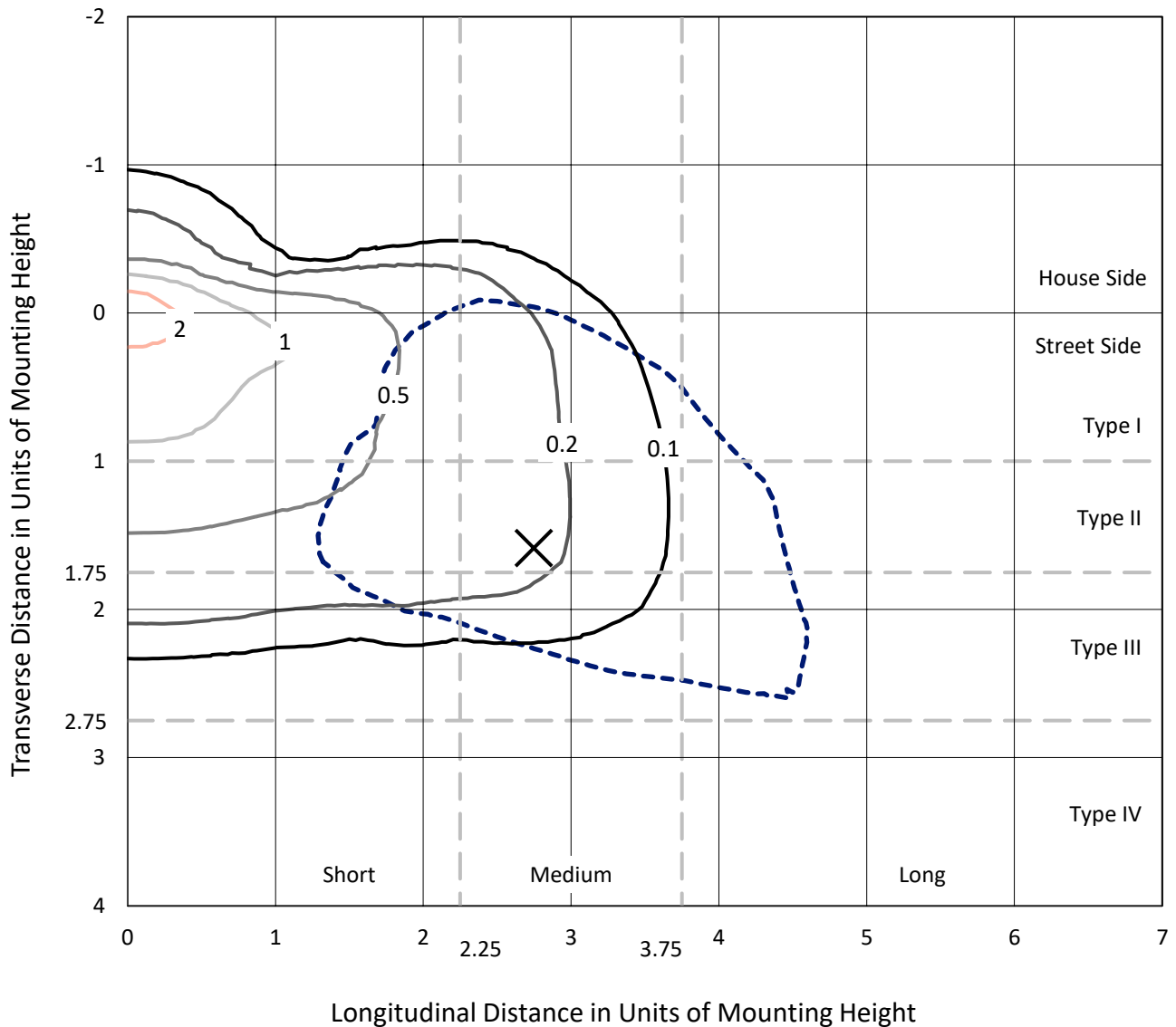
Lumens per Lamp: N/A
Luminaire Lumens: 2262.2 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

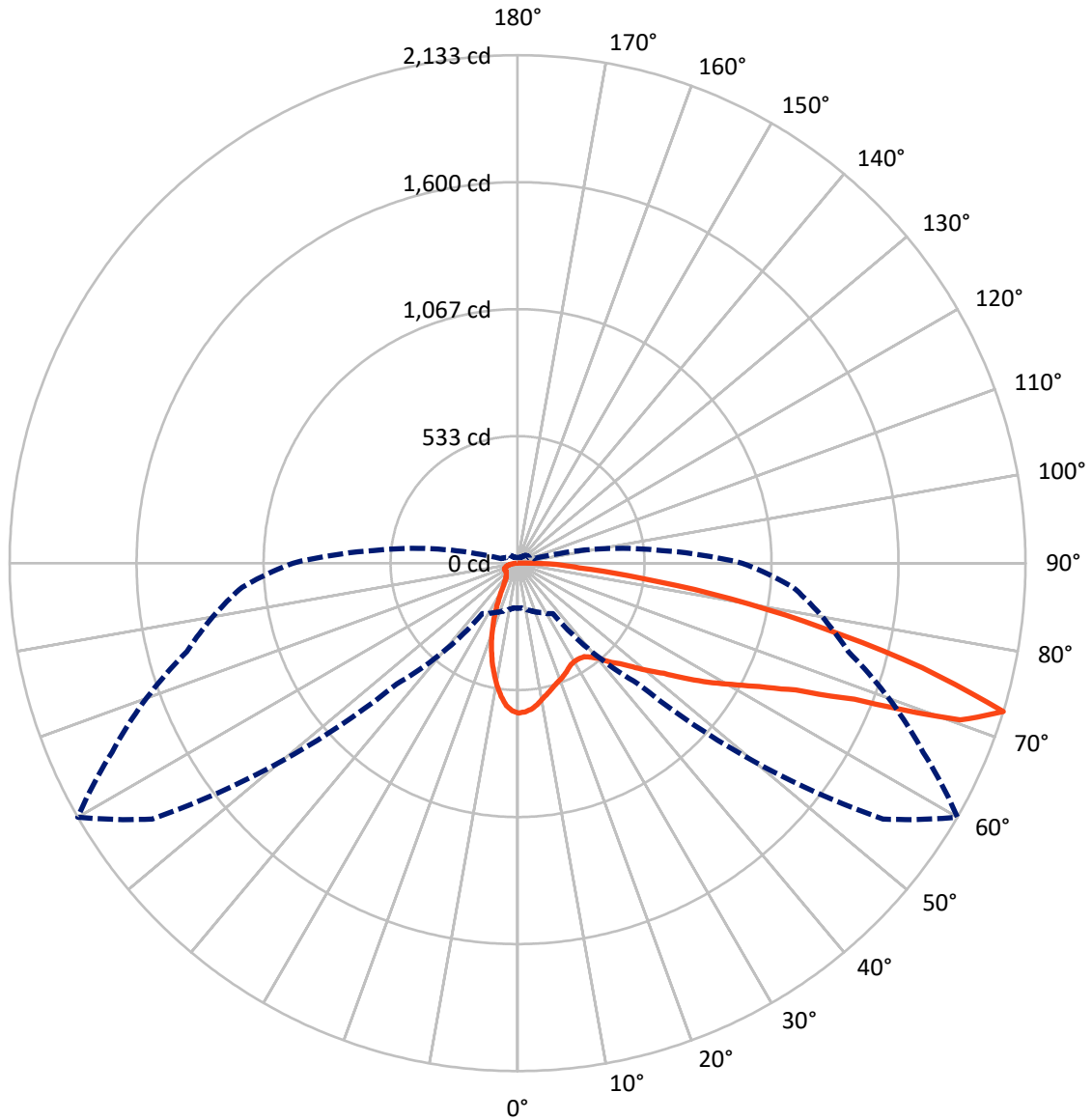
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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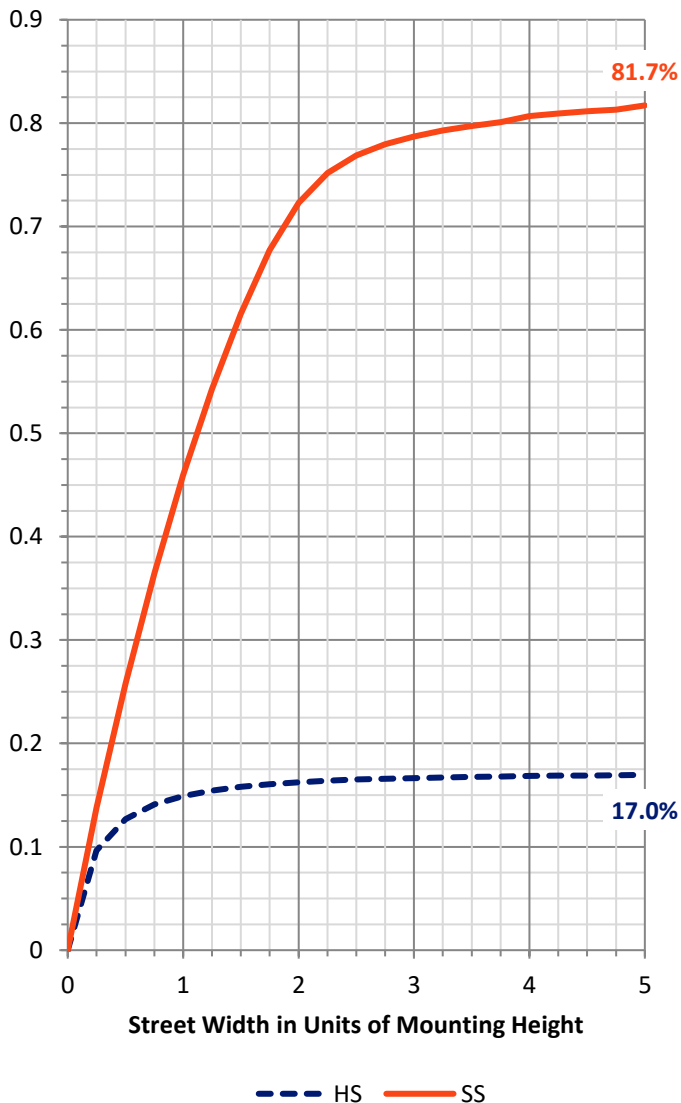
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	388.6	0.0	388.6
	% Fixture	17.2	0.0	17.2
Street Side	Lumens	1873.6	0.0	1873.6
	% Fixture	82.8	0.0	82.8
Total	Lumens	2262.2	0.0	2262.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.6	2.4
10°-20°	123.8	5.5
20°-30°	158.5	7.0
30°-40°	202.7	9.0
40°-50°	278.0	12.3
50°-60°	402.1	17.8
60°-70°	551.6	24.4
70°-80°	413.9	18.3
80°-90°	76.9	3.4
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°	2262.2	100.0
0°-180°	2262.2	100.0



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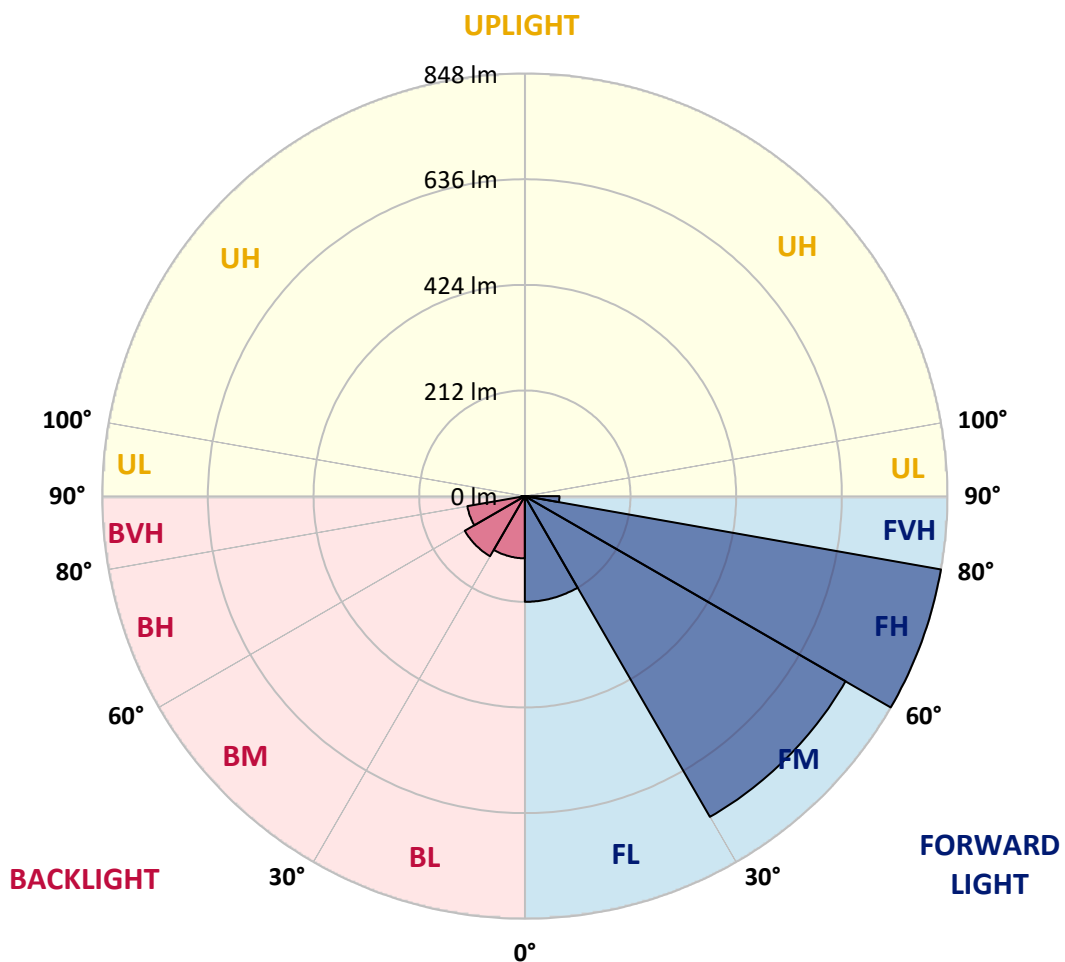
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	212.1	9.4			
FM (30°-60°)	743.6	32.9			
FH (60°-80°)	848.5	37.5			G1/1800
FVH (80°-90°)	69.4	3.1			G1/100
BL (0°-30°)	124.7	5.5	B1/500		
BM (30°-60°)	139.3	6.2	B0/220		
BH (60°-80°)	117.1	5.2	B1/500		G1/500
BVH (80°-90°)	7.5	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	629.9	629.9	629.9	629.9	629.9	629.9	629.9	629.9	629.9	629.9	629.9
2.5°	616.4	622.3	624.0	624.0	629.1	623.2	631.6	624.9	626.5	629.1	627.4
5°	587.0	597.1	591.2	602.1	597.9	605.5	615.6	615.6	613.1	618.1	613.9
7.5°	558.3	555.0	565.1	565.1	571.8	581.9	590.3	598.8	599.6	601.3	600.4
10°	519.6	523.8	528.9	535.6	544.0	554.1	571.8	578.5	580.2	590.3	587.8
12.5°	487.6	493.5	496.9	510.3	517.9	532.2	552.4	561.7	562.5	576.9	576.9
15°	464.0	467.4	475.0	480.0	496.9	517.1	536.4	544.9	554.1	569.3	565.1
17.5°	448.0	452.2	455.6	462.3	478.3	495.2	525.5	530.5	541.5	563.4	558.3
20°	438.7	439.6	444.6	448.9	463.2	479.2	506.1	519.6	533.9	553.3	548.2
22.5°	440.4	437.1	436.2	442.1	444.6	459.8	492.6	507.0	527.2	549.9	541.5
25°	443.8	444.6	443.0	437.9	438.7	452.2	474.1	492.6	515.4	549.1	532.2
27.5°	452.2	456.4	449.7	444.6	439.6	444.6	467.4	480.9	506.1	553.3	531.4
30°	460.6	464.9	463.2	455.6	445.5	443.8	459.8	476.6	501.1	556.6	531.4
32.5°	473.3	479.2	473.3	475.8	464.0	456.4	462.3	477.5	506.1	568.4	532.2
35°	487.6	492.6	494.3	488.4	485.9	471.6	475.0	482.5	511.2	581.9	540.6
37.5°	503.6	509.5	514.5	515.4	507.0	498.5	496.9	501.1	523.8	605.5	549.9
40°	514.5	517.9	528.0	536.4	539.0	527.2	526.3	526.3	546.5	626.5	566.8
42.5°	533.1	531.4	545.7	560.9	565.1	558.3	560.0	566.8	578.5	656.9	593.7
45°	542.3	540.6	557.5	582.8	602.1	598.8	600.4	603.0	613.9	704.9	639.2
47.5°	555.0	556.6	581.1	609.7	629.9	641.7	651.0	650.1	658.5	753.7	689.7
50°	567.6	571.0	600.4	630.8	666.1	686.3	699.8	709.1	717.5	805.1	747.8
52.5°	592.0	595.4	628.2	661.1	706.5	736.0	769.7	768.9	769.7	856.4	805.9
55°	627.4	628.2	647.6	685.5	747.0	800.9	847.2	852.2	837.9	920.4	872.4
57.5°	667.8	671.2	688.0	716.6	779.0	863.2	933.9	944.0	905.3	972.7	933.1
60°	705.7	708.2	734.3	767.2	834.5	941.5	1021.5	1033.3	991.2	1036.7	996.2
62.5°	662.8	675.4	721.7	796.7	932.2	1060.2	1132.7	1140.2	1074.6	1101.5	1063.6
65°	530.5	539.0	605.5	726.8	939.0	1275.8	1304.5	1284.2	1189.1	1184.9	1165.5
67.5°	295.6	302.3	347.8	475.0	790.8	1356.7	1674.1	1525.9	1366.8	1310.3	1303.6
70°	233.3	235.0	240.8	267.0	438.7	1195.8	1965.5	1972.3	1657.3	1483.0	1333.1
72.5°	189.5	188.6	206.3	229.1	259.4	717.5	1873.7	2133.1	1879.6	1437.5	1161.3
75°	144.8	147.4	170.1	203.0	237.5	337.7	1397.9	1755.0	1760.9	1339.8	979.4
77.5°	110.3	111.2	136.4	179.4	232.4	238.3	912.0	1307.8	1313.7	1037.5	539.8
80°	82.5	82.5	103.6	151.6	226.5	219.8	561.7	907.0	821.1	364.6	117.9
82.5°	47.2	50.5	69.1	115.4	205.5	211.4	316.6	519.6	347.0	99.4	54.7
85°	25.3	26.1	42.1	77.5	169.3	202.1	241.7	258.5	138.1	53.1	25.3
87.5°	9.3	9.3	19.4	39.6	107.0	149.9	192.0	165.1	79.2	24.4	12.6
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°	629.9	629.9	629.9	629.9	629.9	629.9	629.9	629.9	629.9	629.9	629.9
2.5°	629.1	625.7	623.2	625.7	616.4	612.2	617.3	614.8	609.7	607.2	605.5
5°	616.4	612.2	608.0	605.5	595.4	585.3	580.2	570.1	561.7	564.2	559.2
7.5°	603.0	598.8	586.1	574.3	554.1	533.9	524.6	510.3	505.3	501.1	498.5
10°	586.1	578.5	559.2	535.6	506.1	483.4	459.8	443.0	425.3	417.7	420.2
12.5°	565.1	560.9	530.5	494.3	453.1	415.2	387.4	360.4	336.9	324.2	320.9
15°	555.8	543.2	499.4	451.4	399.2	352.0	310.7	263.6	235.8	222.3	222.3
17.5°	545.7	522.1	469.9	404.2	344.4	283.8	225.7	182.7	160.8	153.3	153.3
20°	529.7	503.6	435.4	359.6	287.2	213.9	161.7	138.1	131.4	126.3	127.2
22.5°	517.9	485.9	403.4	315.8	227.4	159.2	127.2	119.6	117.1	115.4	116.2
25°	504.4	464.9	369.7	268.6	178.5	125.5	110.3	107.0	108.6	109.5	109.5
27.5°	493.5	447.2	335.2	218.1	134.7	106.1	99.4	98.5	101.9	103.6	104.4
30°	485.9	431.2	301.5	171.8	107.8	94.3	90.9	90.9	95.2	96.8	97.7
32.5°	478.3	417.7	265.3	131.4	91.8	84.2	83.4	84.2	86.7	86.7	87.6
35°	480.9	405.1	230.7	106.1	82.5	77.5	77.5	77.5	78.3	79.2	79.2
37.5°	485.9	401.7	193.7	89.3	75.8	72.4	72.4	71.6	72.4	71.6	72.4
40°	491.0	396.6	160.0	79.2	71.6	69.1	68.2	66.5	65.7	65.7	66.5
42.5°	512.0	403.4	131.4	72.4	68.2	66.5	64.0	62.3	61.5	61.5	61.5
45°	539.0	416.0	108.6	69.1	65.7	61.5	59.8	58.9	57.3	58.1	58.9
47.5°	579.4	435.4	95.2	66.5	63.2	58.1	56.4	54.7	54.7	56.4	56.4
50°	632.4	467.4	86.7	64.0	60.6	55.6	53.1	52.2	52.2	54.7	54.7
52.5°	689.7	504.4	83.4	63.2	58.1	53.1	50.5	49.7	49.7	53.1	53.1
55°	747.0	549.9	85.9	63.2	56.4	50.5	48.0	46.3	47.2	49.7	49.7
57.5°	810.1	598.8	98.5	63.2	54.7	49.7	46.3	43.8	44.6	45.5	45.5
60°	879.2	662.8	120.4	63.2	53.9	48.0	43.8	40.4	40.4	41.3	41.3
62.5°	949.1	725.9	151.6	64.0	54.7	47.2	40.4	37.1	36.2	37.1	37.1
65°	1040.9	827.0	182.7	64.0	57.3	45.5	37.9	33.7	32.8	32.8	33.7
67.5°	1169.7	899.4	141.5	61.5	58.9	45.5	35.4	31.2	29.5	29.5	29.5
70°	1101.5	758.8	90.1	57.3	56.4	47.2	33.7	28.6	26.9	26.1	26.1
72.5°	943.2	607.2	72.4	53.9	52.2	46.3	32.0	26.9	24.4	23.6	23.6
75°	756.2	479.2	63.2	48.8	45.5	38.7	29.5	24.4	22.7	21.1	21.1
77.5°	370.5	200.4	48.0	42.9	38.7	29.5	26.1	22.7	20.2	18.5	18.5
80°	92.6	69.9	35.4	33.7	28.6	22.7	21.1	19.4	17.7	16.0	16.0
82.5°	49.7	41.3	25.3	22.7	19.4	16.0	16.0	15.2	14.3	12.6	11.8
85°	25.3	24.4	16.8	15.2	12.6	10.1	10.9	10.9	10.1	7.6	7.6
87.5°	13.5	13.5	8.4	6.7	5.9	5.1	5.1	5.1	4.2	3.4	3.4
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)