

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: P674779

Luminaire Tested: **CCP-SA-1A-850-U-T3R-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674779
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-T3R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @350mA w/ T3R distribution lens and House Side Shield
Light Source: (16) 5000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

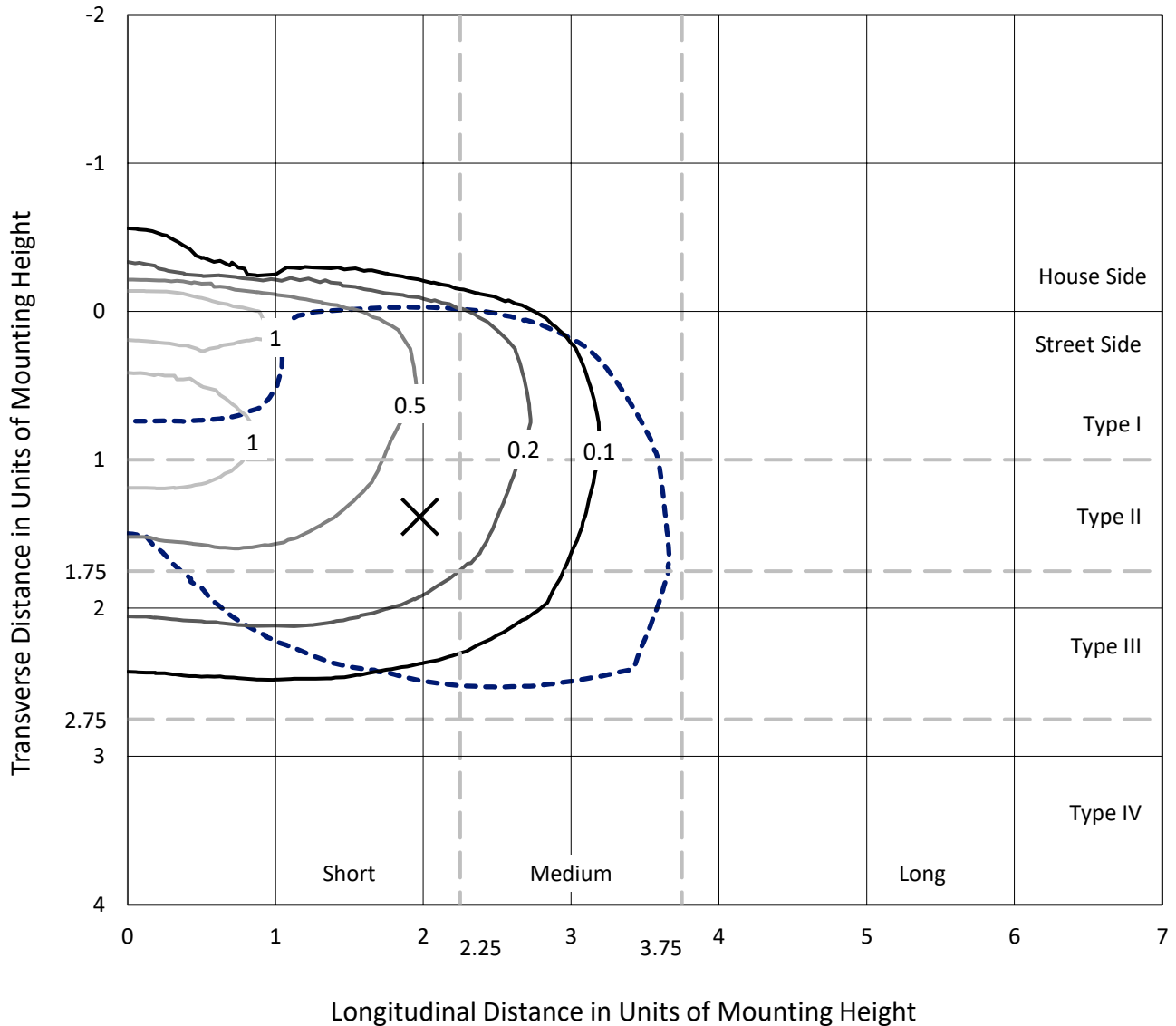
Lumens per Lamp: N/A
Luminaire Lumens: 1893.3 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

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

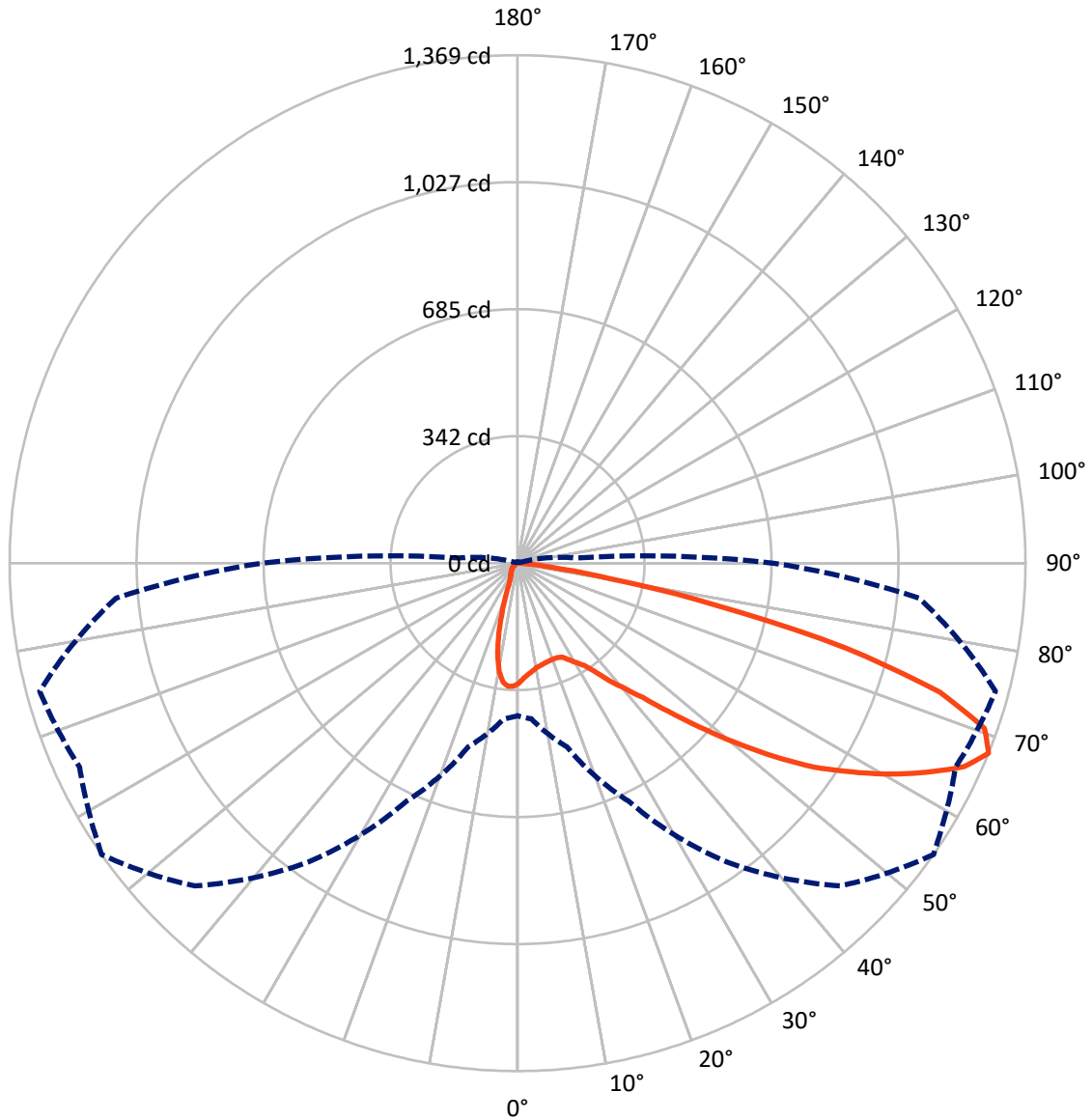
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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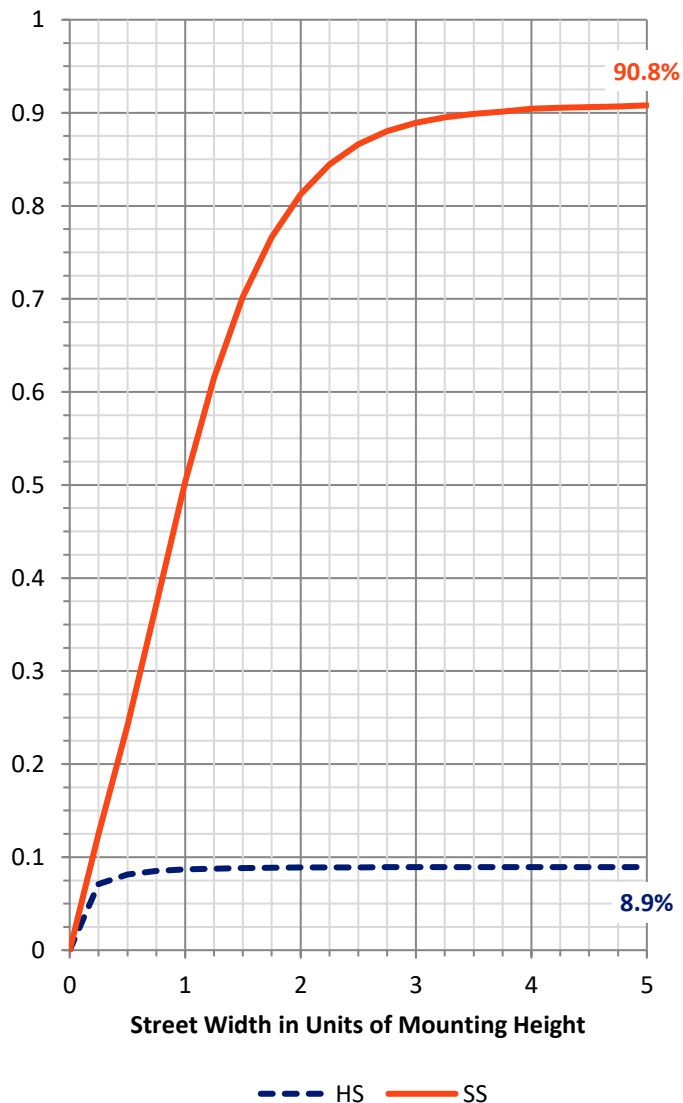
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	170.1	0.0	170.1
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	1723.2	0.0	1723.2
	% Fixture	91.0	0.0	91.0
Total	Lumens	1893.3	0.0	1893.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.5	1.5
10°-20°	64.8	3.4
20°-30°	104.0	5.5
30°-40°	180.4	9.5
40°-50°	300.8	15.9
50°-60°	439.9	23.2
60°-70°	512.9	27.1
70°-80°	248.9	13.1
80°-90°	13.0	0.7
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°	1893.3	100.0
0°-180°	1893.3	100.0



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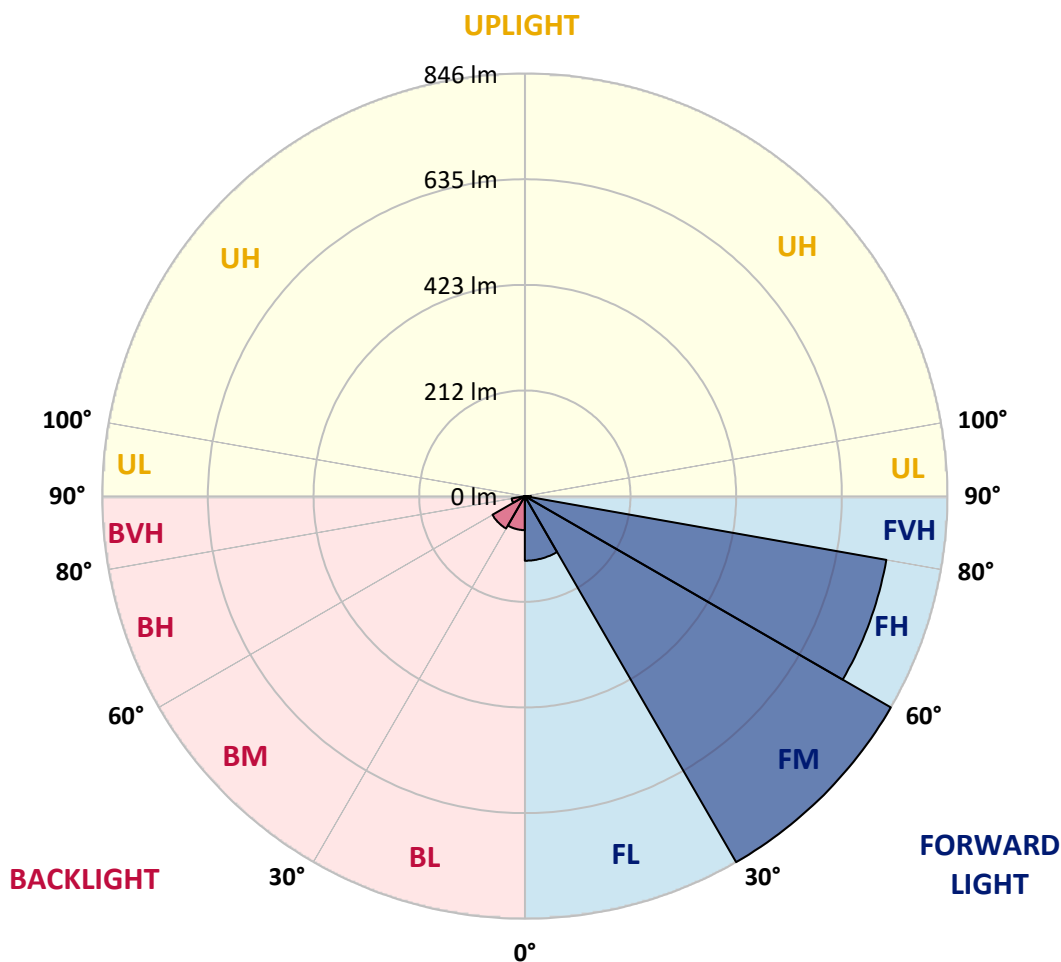
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	129.3	6.8			
FM (30°-60°)	846.2	44.7			
FH (60°-80°)	735.0	38.8			G1/1800
FVH (80°-90°)	12.6	0.7			G1/100
BL (0°-30°)	68.0	3.6	B0/110		
BM (30°-60°)	74.9	4.0	B0/220		
BH (60°-80°)	26.8	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	324.5	324.5	324.5	324.5	324.5	324.5	324.5	324.5	324.5	324.5	324.5
2.5°	299.5	301.4	303.9	304.7	307.7	311.9	310.7	309.8	314.5	321.0	323.1
5°	280.9	281.0	284.9	287.7	292.7	296.7	301.1	300.7	309.3	320.3	327.3
7.5°	262.5	262.9	266.9	271.3	278.6	286.4	293.1	292.7	306.5	321.1	334.4
10°	238.5	240.2	245.1	252.8	264.3	276.7	285.9	286.8	303.4	324.5	344.2
12.5°	219.1	220.0	225.4	235.3	248.9	265.2	282.4	281.9	304.1	330.6	356.9
15°	210.9	210.4	213.7	221.0	236.5	257.0	278.9	280.2	306.5	337.5	370.2
17.5°	212.8	212.3	214.0	216.7	227.6	250.1	277.0	279.1	310.3	344.9	382.6
20°	234.1	230.4	227.3	224.5	226.1	244.6	275.8	278.1	312.6	350.5	395.6
22.5°	275.1	270.6	262.2	246.7	236.4	244.9	276.1	279.1	317.7	359.5	411.5
25°	341.9	337.5	319.6	287.8	260.6	257.5	280.9	284.0	329.3	373.3	428.4
27.5°	430.3	420.6	398.8	353.2	300.7	277.5	295.0	298.5	345.9	383.9	439.9
30°	503.8	501.5	480.6	424.8	356.0	307.0	310.9	312.8	353.4	390.4	451.5
32.5°	580.0	575.3	556.1	501.9	420.2	349.1	328.6	329.5	363.2	400.0	468.2
35°	646.3	641.9	625.9	573.2	495.2	405.6	358.1	356.2	383.4	421.1	490.9
37.5°	707.7	707.2	693.1	639.3	562.6	464.2	401.6	400.0	415.0	444.3	521.6
40°	767.7	766.3	754.3	705.3	628.9	522.6	442.9	438.9	441.9	476.7	562.1
42.5°	804.5	807.5	811.7	780.6	707.5	591.2	495.2	492.8	492.3	527.5	615.3
45°	824.4	829.6	854.2	851.5	790.9	676.5	569.7	563.4	561.4	597.3	676.1
47.5°	843.8	846.0	886.3	903.3	870.8	765.5	659.7	651.0	642.5	682.4	748.9
50°	845.0	848.7	898.5	939.7	937.8	853.0	760.7	753.1	743.3	786.0	819.9
52.5°	827.9	835.2	897.0	962.7	979.3	930.3	865.6	859.3	851.3	883.2	879.7
55°	709.8	722.2	866.3	964.8	1008.4	996.6	970.9	962.2	954.4	977.0	938.3
57.5°	653.6	660.6	773.1	963.3	1045.6	1058.0	1062.4	1058.3	1047.3	1075.6	999.6
60°	620.0	630.1	728.6	945.8	1085.7	1127.4	1154.8	1146.8	1133.3	1172.2	1065.1
62.5°	579.7	587.0	684.3	895.6	1109.6	1198.1	1241.5	1234.2	1206.4	1261.4	1118.2
65°	505.4	516.3	613.9	816.6	1077.5	1249.9	1323.1	1320.7	1272.6	1328.7	1132.7
67.5°	411.3	421.3	512.2	708.2	983.7	1230.5	1369.4	1361.7	1302.6	1333.8	1086.8
70°	308.8	314.2	382.7	541.1	805.9	1127.1	1335.9	1334.3	1257.0	1258.8	946.0
72.5°	165.7	180.7	254.5	362.1	566.8	912.9	1190.6	1184.3	1121.5	1031.0	680.3
75°	57.9	62.3	135.5	203.4	307.9	608.1	915.5	900.8	838.7	670.6	370.7
77.5°	35.6	39.1	60.2	104.0	119.8	263.9	550.0	531.0	490.9	289.9	126.6
80°	24.6	27.7	40.3	54.4	40.8	85.5	253.1	246.0	189.3	69.1	29.1
82.5°	13.8	16.6	30.5	26.7	16.4	22.2	87.7	81.3	50.4	18.7	9.8
85°	8.0	9.6	21.5	18.8	8.4	7.8	22.9	20.4	13.1	7.0	4.7
87.5°	4.2	5.4	15.7	12.6	5.1	2.8	5.2	5.1	3.3	2.4	3.1
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°	324.5	324.5	324.5	324.5	324.5	324.5	324.5	324.5	324.5	324.5	324.5
2.5°	326.9	326.0	330.6	332.1	331.8	331.1	332.8	330.6	330.4	329.9	329.3
5°	332.8	334.2	337.9	337.9	333.0	325.0	320.1	313.5	307.9	304.6	304.1
7.5°	341.7	344.5	347.0	339.5	322.7	302.8	281.7	265.2	250.7	243.2	242.5
10°	354.3	356.9	355.0	333.5	297.6	256.4	222.1	187.5	170.3	160.8	160.8
12.5°	369.3	371.4	359.7	318.7	256.3	196.6	150.7	114.4	97.2	86.0	85.3
15°	385.5	386.0	359.0	292.9	205.1	132.1	86.5	63.5	56.2	54.6	54.3
17.5°	399.6	397.6	351.7	254.7	147.8	78.7	54.9	49.7	48.3	48.3	48.3
20°	412.9	405.9	337.0	210.2	94.7	53.6	47.3	45.9	45.9	46.1	46.1
22.5°	427.6	413.8	316.1	160.8	60.9	45.9	44.3	43.6	43.4	44.0	43.8
25°	444.8	421.5	286.1	111.1	47.1	42.7	42.0	41.3	41.3	41.3	41.3
27.5°	454.4	420.4	251.9	70.1	41.2	39.6	38.9	38.2	37.7	37.5	37.7
30°	462.8	414.3	207.2	49.0	37.2	35.4	34.9	34.0	33.0	32.6	32.6
32.5°	473.8	409.2	160.5	39.4	33.7	31.7	30.2	28.8	27.0	26.3	26.2
35°	486.0	400.0	117.6	34.7	30.5	28.1	25.6	23.4	21.1	20.4	20.2
37.5°	501.2	391.6	79.7	32.1	27.9	24.9	21.6	18.5	16.4	16.0	16.0
40°	521.8	384.6	55.1	29.8	25.5	22.0	18.0	14.7	13.3	12.9	12.9
42.5°	549.8	378.9	41.7	27.9	23.4	19.0	14.5	12.0	11.0	10.6	10.6
45°	583.0	370.0	35.2	26.2	21.3	16.0	12.0	10.1	9.6	9.6	9.6
47.5°	621.0	358.8	32.1	24.4	19.0	13.1	10.1	9.2	9.1	9.1	9.2
50°	659.4	345.6	29.8	22.3	16.4	11.2	9.2	8.7	8.7	8.9	8.9
52.5°	685.4	324.8	27.6	20.1	13.8	9.8	8.7	8.5	8.4	8.4	8.4
55°	710.7	306.7	24.4	17.6	11.5	9.1	8.4	8.2	8.2	8.0	8.0
57.5°	737.0	292.4	20.4	14.7	9.8	8.5	8.0	8.0	7.7	7.5	7.5
60°	767.5	279.8	15.7	11.5	8.5	8.0	7.5	7.3	7.0	6.6	6.6
62.5°	776.4	253.3	11.9	9.2	7.3	7.0	6.8	6.5	5.6	4.9	5.1
65°	753.2	211.6	9.4	7.3	5.9	5.9	5.4	4.5	3.7	3.1	3.1
67.5°	689.2	158.0	7.7	5.8	4.7	4.5	3.8	3.3	2.3	1.9	1.9
70°	568.0	104.5	6.3	4.5	3.8	3.1	2.6	2.4	1.7	1.4	1.4
72.5°	398.1	56.7	5.2	3.7	2.8	2.1	1.7	1.6	1.2	1.0	0.9
75°	210.2	21.8	4.2	2.8	1.7	1.4	1.0	1.0	0.9	0.7	0.7
77.5°	72.0	9.2	3.0	1.6	1.2	0.9	0.7	0.5	0.7	0.5	0.5
80°	17.1	5.4	1.9	1.0	0.7	0.5	0.5	0.3	0.3	0.3	0.3
82.5°	7.5	3.1	1.2	0.7	0.7	0.5	0.3	0.2	0.2	0.2	0.2
85°	5.1	1.9	0.9	0.7	0.5	0.3	0.2	0.2	0.0	0.0	0.0
87.5°	4.0	1.2	0.7	0.7	0.5	0.3	0.2	0.0	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)