

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: P674790

Luminaire Tested: **CCW-SA-1A-722-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674790
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-722-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
T2 distribution lens
Light Source: (16) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2010.2 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

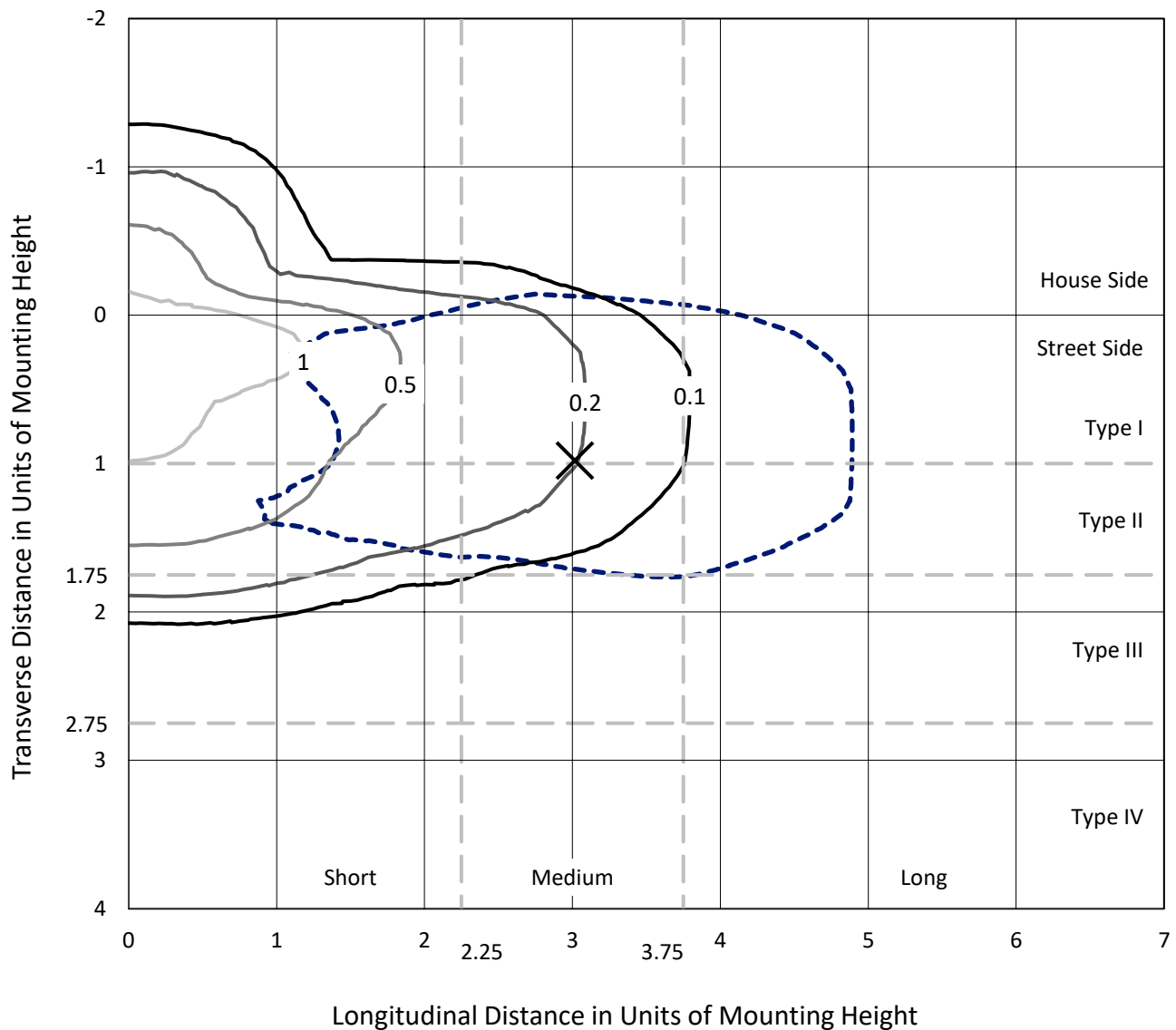
Input Watts (W): 18
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

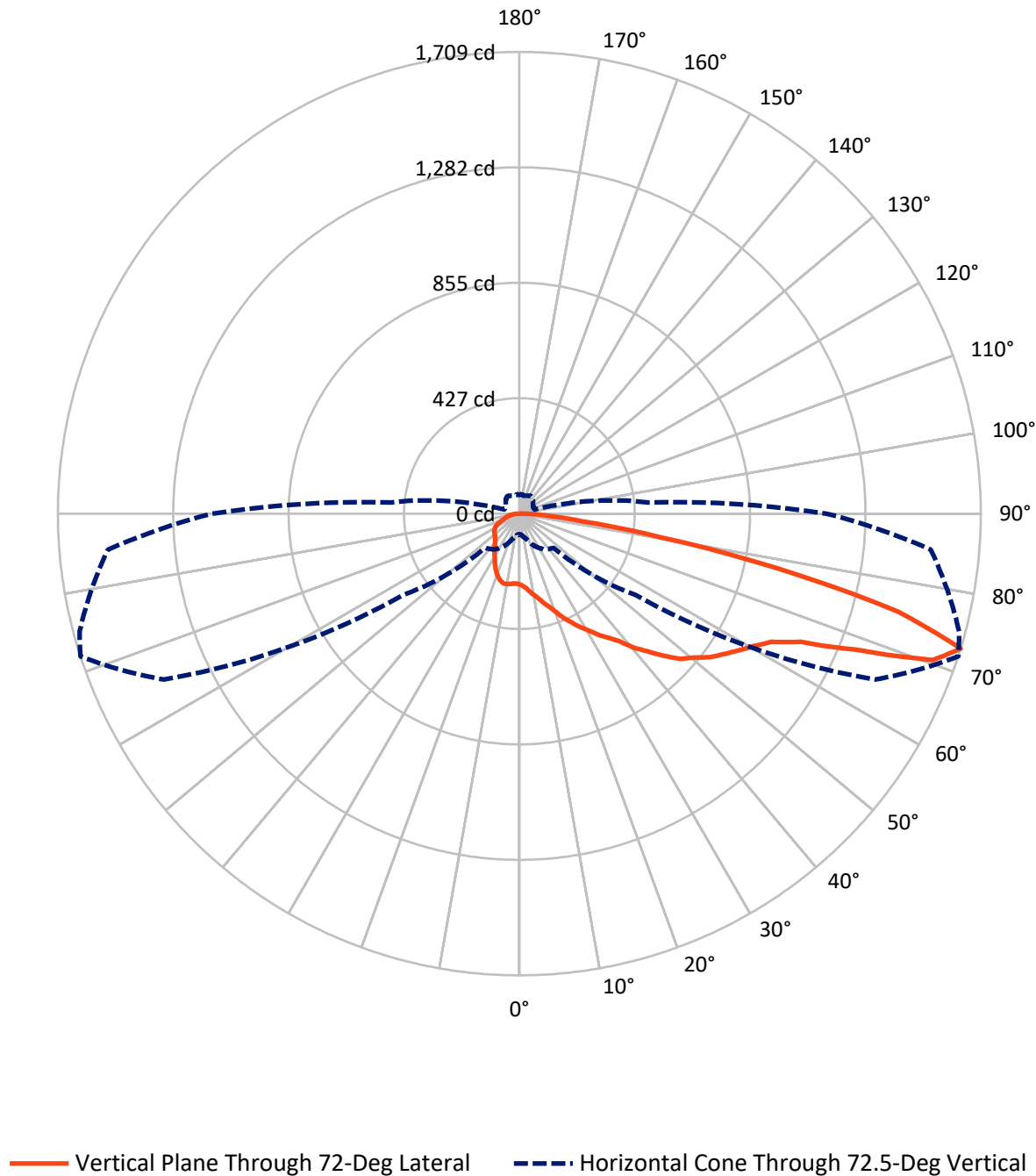


Based on 15 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	423.1	0.0	423.1
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	1587.1	0.0	1587.1
	% Fixture	79.0	0.0	79.0
Total	Lumens	2010.2	0.0	2010.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.0	1.3
10°-20°	80.7	4.0
20°-30°	139.6	6.9
30°-40°	206.2	10.3
40°-50°	306.6	15.3
50°-60°	420.3	20.9
60°-70°	456.0	22.7
70°-80°	321.5	16.0
80°-90°	53.4	2.7
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°	2010.2	100.0
0°-180°	2010.2	100.0

Coefficient of Utilization



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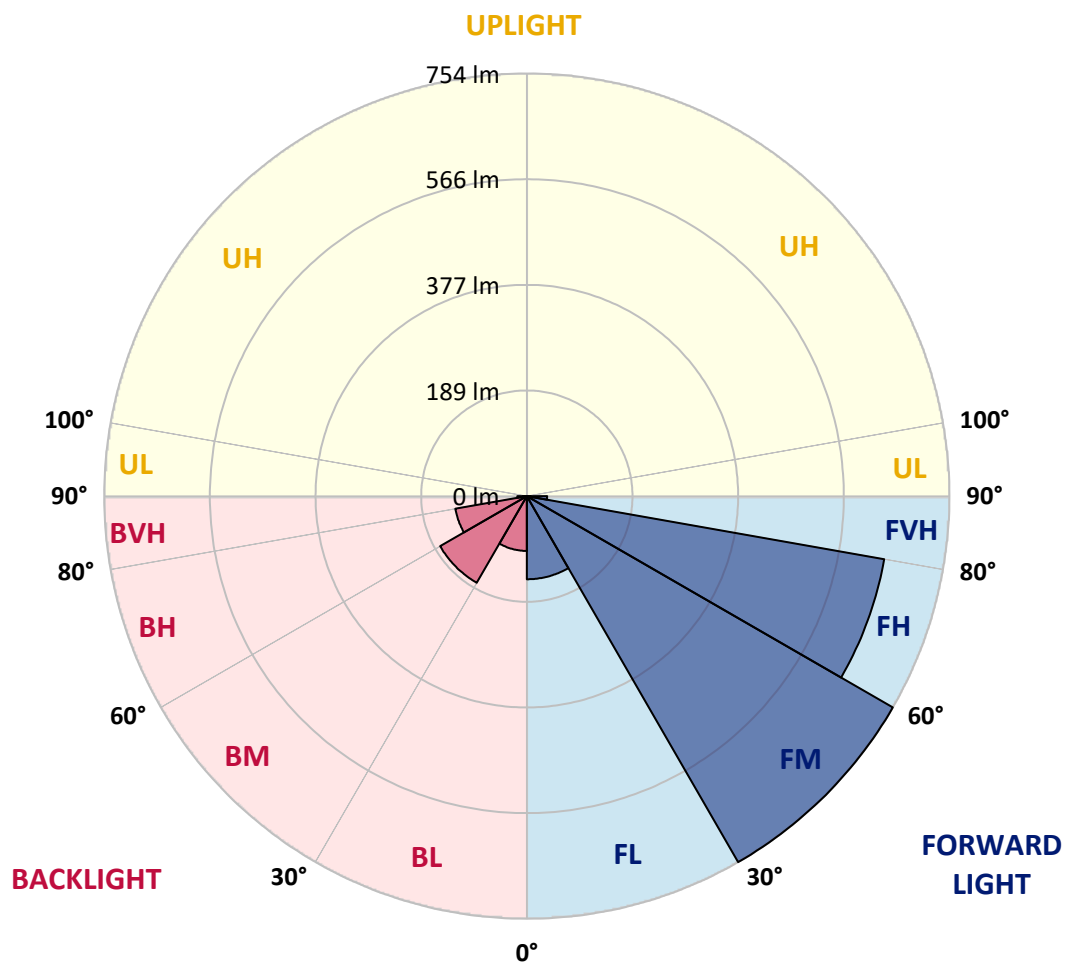
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	148.4	7.4			
FM	(30°-60°)	754.5	37.5			
FH	(60°-80°)	647.8	32.2			G0/660
FVH	(80°-90°)	36.4	1.8			G1/100
BL	(0°-30°)	97.8	4.9	B0/110		
BM	(30°-60°)	178.7	8.9	B0/220		
BH	(60°-80°)	129.6	6.4	B1/500		G1/500
BVH	(80°-90°)	17.0	0.8			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	262.6	262.6	262.6	262.6	262.6	262.6	262.6	262.6	262.6	262.6	262.6
2.5°	283.4	283.4	281.1	280.4	280.4	274.5	275.2	271.5	268.5	268.5	265.6
5°	298.2	296.7	296.7	296.7	293.0	290.8	290.0	283.4	278.2	278.9	270.0
7.5°	301.9	302.6	303.4	307.1	304.9	306.3	304.9	297.4	293.7	290.0	281.9
10°	304.1	305.6	305.6	310.8	310.8	314.5	316.7	313.8	307.1	303.4	290.0
12.5°	309.3	307.1	310.1	313.8	317.5	324.2	330.8	327.9	323.4	319.0	304.1
15°	309.3	310.1	312.3	318.2	324.2	330.8	342.7	347.1	344.9	336.8	321.2
17.5°	300.4	298.2	308.6	319.7	330.8	339.0	354.6	364.9	363.5	360.5	336.8
20°	301.2	303.4	307.1	316.7	334.5	349.4	368.7	385.7	389.4	387.9	357.5
22.5°	314.5	315.2	319.0	323.4	337.5	356.8	385.7	413.2	419.8	416.1	380.5
25°	327.9	333.8	333.8	336.8	342.0	362.0	396.8	435.4	445.1	445.8	404.3
27.5°	349.4	350.9	355.3	356.8	361.2	373.1	409.5	451.7	474.0	471.0	425.8
30°	374.6	375.3	378.3	376.8	377.6	392.4	421.3	470.3	500.7	501.4	448.8
32.5°	404.3	410.2	411.7	402.0	403.5	407.2	439.9	492.5	534.1	528.9	468.8
35°	448.0	450.3	445.8	441.3	430.2	428.0	459.2	514.8	563.0	568.9	498.5
37.5°	502.2	508.1	502.2	478.4	466.6	457.7	482.9	539.3	597.9	617.9	528.1
40°	552.6	551.9	545.9	524.4	503.7	497.0	517.0	573.4	652.0	671.3	571.2
42.5°	593.4	591.2	587.5	571.2	551.9	540.7	556.3	609.0	697.3	734.3	620.9
45°	629.0	626.0	626.8	608.2	589.7	595.6	595.6	649.8	750.7	796.7	678.0
47.5°	662.4	663.9	661.7	647.6	633.5	649.0	640.9	696.5	803.3	854.5	726.2
50°	701.0	703.9	696.5	687.6	675.0	690.6	680.2	740.3	837.5	907.2	784.0
52.5°	737.3	740.3	747.0	735.8	723.2	735.8	712.1	781.1	882.7	958.4	828.6
55°	746.2	744.7	781.8	793.7	800.4	762.5	740.3	815.9	918.3	991.0	879.0
57.5°	705.4	709.1	759.6	793.7	864.9	832.3	772.2	856.7	955.4	1034.0	925.7
60°	603.8	606.0	669.1	749.9	853.8	897.5	858.2	909.4	996.2	1070.4	978.4
62.5°	403.5	420.6	499.2	626.0	775.1	915.3	995.4	998.4	1045.9	1116.4	1050.3
65°	212.9	221.0	282.6	385.0	587.5	853.8	1124.5	1175.0	1145.3	1200.9	1154.2
67.5°	139.5	142.4	175.8	233.7	339.0	623.1	1139.4	1481.3	1344.8	1361.9	1320.3
70°	103.8	105.3	129.8	172.8	209.9	333.1	933.9	1624.5	1623.7	1578.5	1517.6
72.5°	76.4	78.6	95.7	132.0	161.7	179.5	525.2	1453.1	1709.0	1686.0	1529.5
75°	60.1	61.6	70.5	102.4	130.6	117.9	266.3	1076.3	1449.4	1559.9	1399.7
77.5°	49.0	50.4	55.6	74.2	104.6	91.2	127.6	694.3	982.8	1123.0	1071.1
80°	40.8	40.8	44.5	52.7	80.9	69.0	75.7	390.2	529.6	584.5	485.9
82.5°	34.9	34.1	37.1	38.6	60.1	49.7	49.0	176.5	232.9	247.0	182.5
85°	22.3	23.0	34.9	33.4	39.3	34.1	27.4	83.8	109.8	112.0	68.2
87.5°	8.9	8.9	14.8	18.5	22.3	20.8	13.4	37.8	48.2	48.2	19.3
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°	262.6	262.6	262.6	262.6	262.6	262.6	262.6	262.6	262.6	262.6	262.6
2.5°	264.8	261.8	259.6	258.1	254.4	250.7	251.5	250.7	247.7	246.3	246.3
5°	267.8	264.8	261.1	255.2	251.5	247.0	248.5	245.5	242.6	244.8	241.1
7.5°	275.2	270.0	264.8	255.9	250.0	243.3	240.3	238.8	236.6	235.1	235.1
10°	285.6	278.2	268.5	255.2	245.5	235.1	233.7	230.7	228.5	228.5	227.7
12.5°	296.0	287.8	271.5	250.0	233.7	226.2	225.5	226.2	227.7	228.5	229.2
15°	309.3	296.0	270.7	240.3	224.0	221.0	224.8	227.7	230.7	233.7	232.9
17.5°	321.9	306.3	264.1	228.5	215.9	216.6	223.3	229.2	235.1	238.1	238.8
20°	339.0	316.0	254.4	214.4	207.7	214.4	223.3	230.7	237.4	241.1	241.8
22.5°	358.3	327.1	241.8	201.8	201.0	207.7	216.6	227.7	235.1	241.8	241.1
25°	375.3	334.5	225.5	191.4	192.9	197.3	207.7	219.6	227.0	234.4	232.2
27.5°	386.5	336.0	208.4	184.0	184.0	188.4	198.1	205.5	212.1	218.1	218.8
30°	399.1	333.1	189.1	174.3	174.3	180.2	184.0	188.4	192.1	193.6	195.1
32.5°	413.9	326.4	177.3	166.9	166.9	171.3	173.6	172.1	171.3	167.6	169.9
35°	428.0	316.7	163.9	157.3	160.2	162.4	161.7	157.3	152.8	146.1	143.9
37.5°	445.1	307.1	152.1	146.9	152.1	152.8	152.8	147.6	141.7	133.5	133.5
40°	471.0	299.7	142.4	140.2	145.4	144.6	140.9	137.2	139.5	135.0	135.0
42.5°	498.5	296.7	133.5	134.3	136.5	137.2	133.5	129.1	138.0	132.8	133.5
45°	532.6	298.9	127.6	126.8	132.0	131.3	129.1	125.4	128.3	115.0	111.3
47.5°	564.5	303.4	124.6	121.6	127.6	129.1	126.1	117.9	113.5	105.3	103.8
50°	593.4	313.0	121.6	115.7	121.6	124.6	119.4	110.5	105.3	100.1	100.1
52.5°	620.9	327.1	120.2	109.0	114.2	117.9	115.0	106.1	100.1	97.9	95.7
55°	649.0	339.7	117.9	104.6	106.1	113.5	112.7	100.9	94.9	94.9	94.2
57.5°	689.1	356.8	115.0	97.2	100.1	108.3	108.3	98.7	92.0	92.7	93.5
60°	729.9	376.8	112.0	89.8	92.0	103.1	104.6	95.7	89.8	90.5	89.8
62.5°	795.2	413.9	106.1	80.9	85.3	96.4	100.1	92.0	86.8	88.3	88.3
65°	893.8	477.7	93.5	73.4	78.6	90.5	95.7	88.3	82.3	86.8	85.3
67.5°	1052.6	565.2	78.6	67.5	74.2	84.6	90.5	83.8	78.6	85.3	83.1
70°	1195.0	608.2	67.5	62.3	67.5	77.9	84.6	79.4	74.2	80.9	77.9
72.5°	1137.1	477.0	58.6	56.4	61.6	70.5	78.6	73.4	68.2	72.0	69.0
75°	981.4	379.8	51.2	50.4	54.9	63.8	72.0	68.2	63.0	64.5	63.0
77.5°	744.0	313.8	43.8	43.0	46.7	57.1	64.5	61.6	56.4	55.6	55.6
80°	332.3	154.3	36.3	36.3	38.6	49.0	54.9	53.4	48.2	47.5	46.7
82.5°	109.0	58.6	29.7	28.2	31.2	40.8	49.0	47.5	42.3	40.8	39.3
85°	43.8	28.2	21.5	21.5	24.5	34.1	43.8	40.8	34.1	30.4	30.4
87.5°	14.8	11.9	11.1	11.1	15.6	23.0	32.6	27.4	24.5	21.5	22.3
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)