

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: P675377

Luminaire Tested: **CCW-SA-1A-727-U-SL2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675377
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1A-727-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
SL2 distribution lens
Light Source: (16) 2700K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

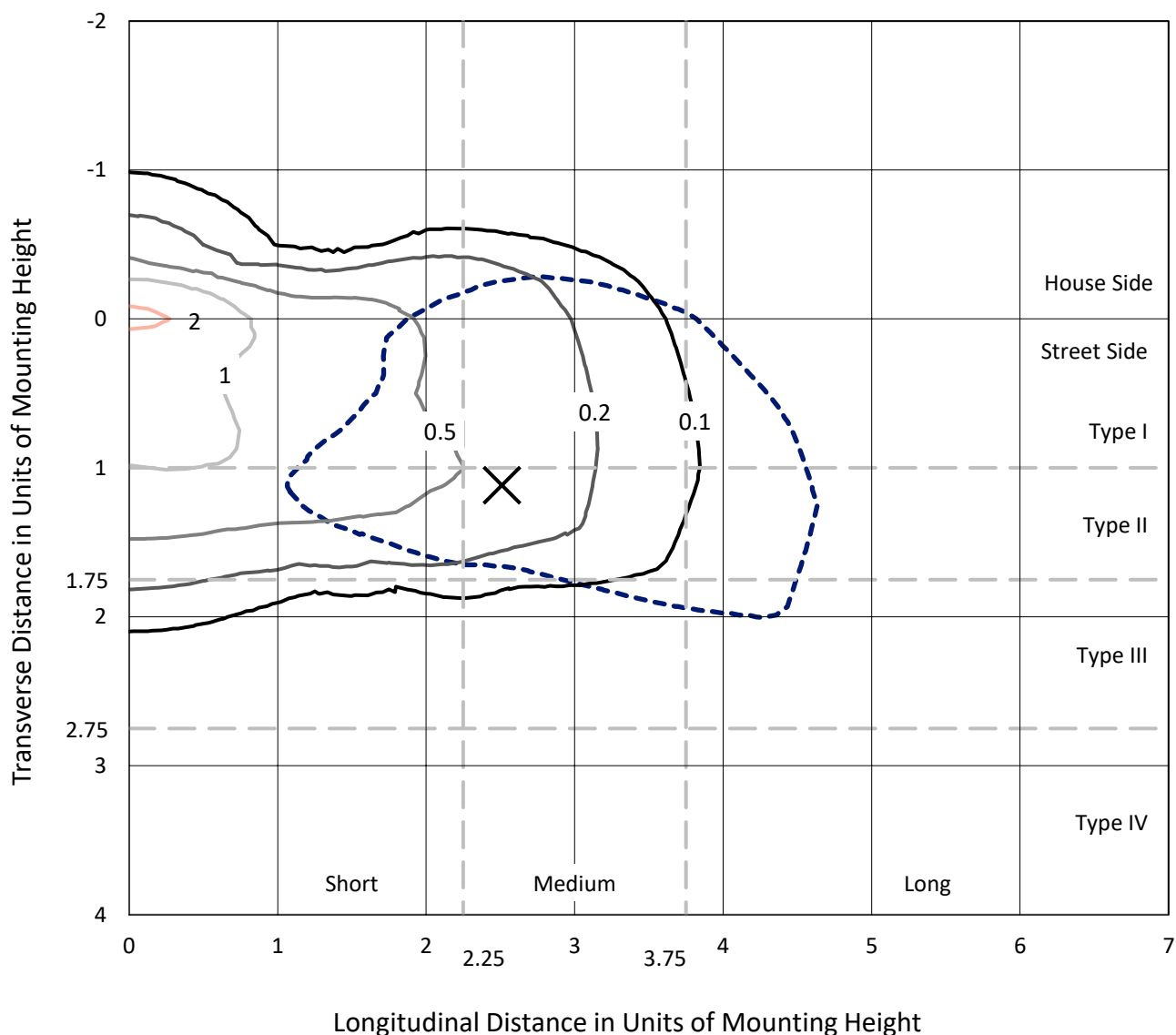
Lumens per Lamp: N/A
Luminaire Lumens: 2264.4 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

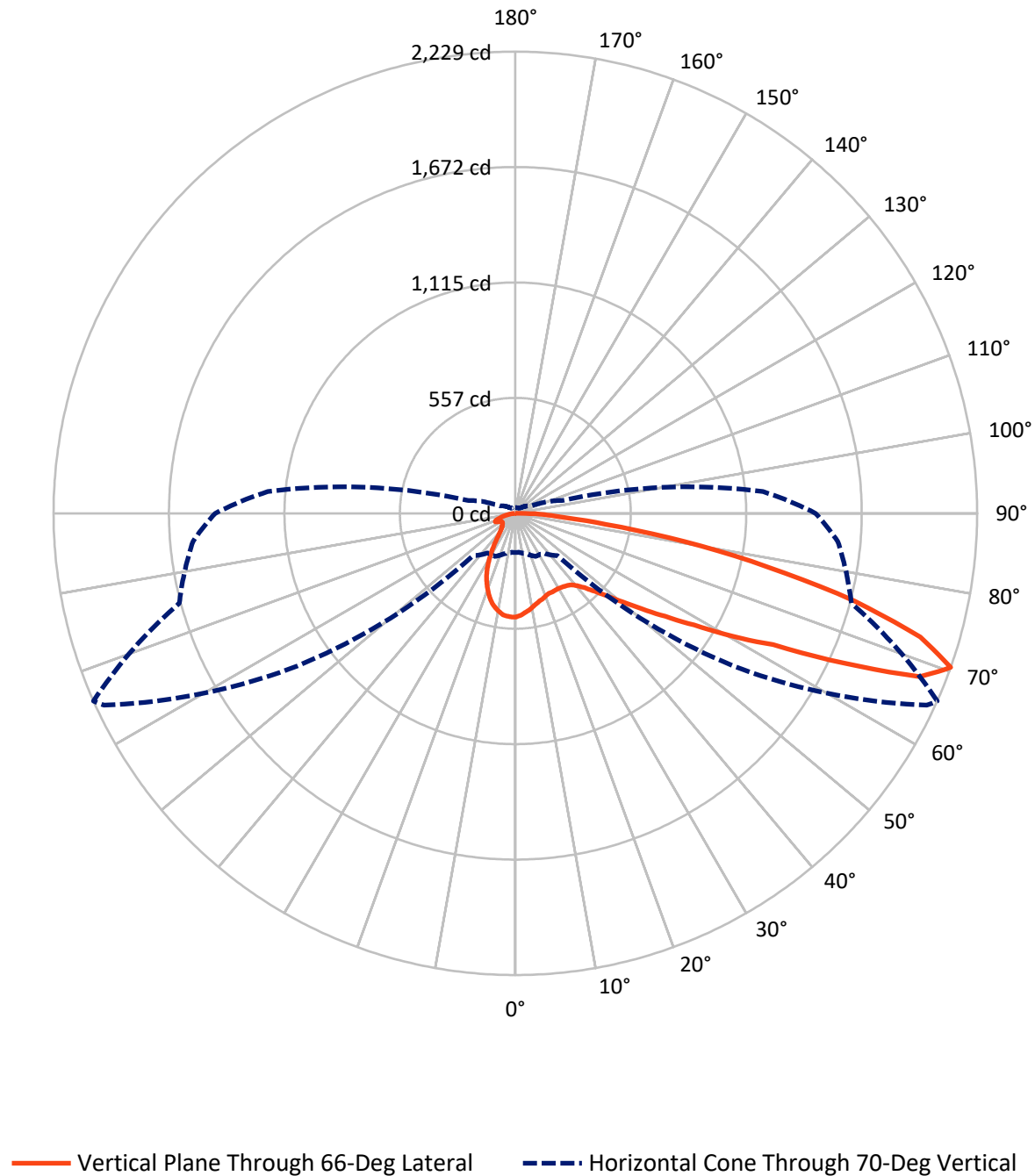
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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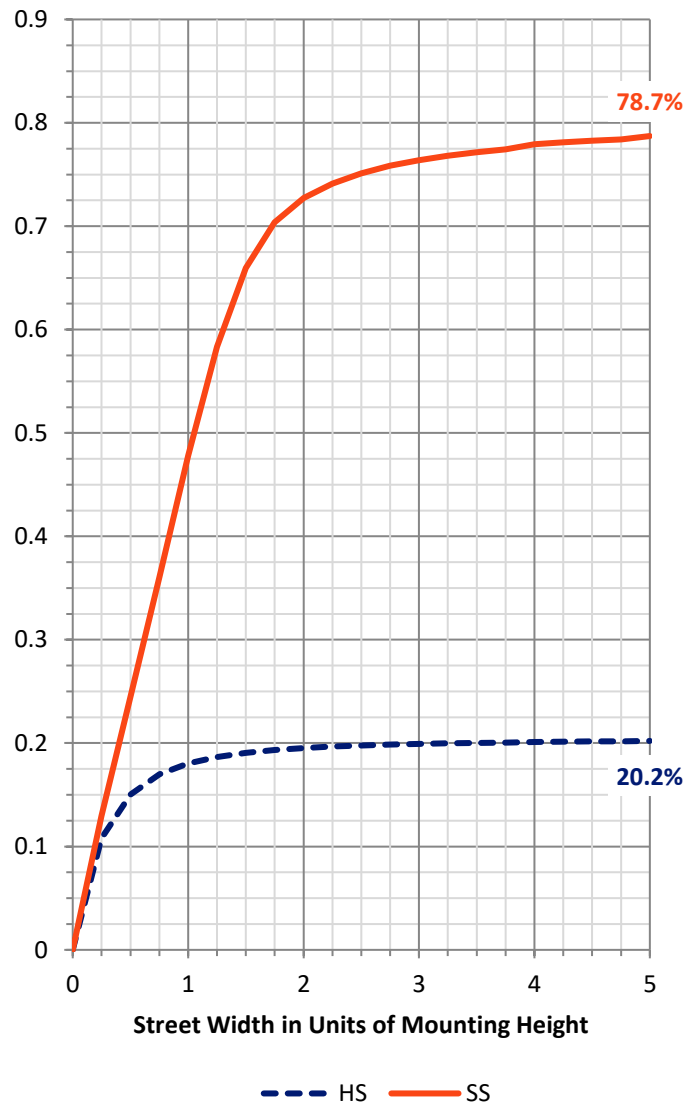
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	463.5	0.0	463.5
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	1800.9	0.0	1800.9
	% Fixture	79.5	0.0	79.5
Total	Lumens	2264.4	0.0	2264.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.2	2.0
10°-20°	108.9	4.8
20°-30°	149.5	6.6
30°-40°	200.5	8.9
40°-50°	290.9	12.8
50°-60°	442.2	19.5
60°-70°	546.2	24.1
70°-80°	406.1	17.9
80°-90°	75.8	3.3
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°	2264.4	100.0
0°-180°	2264.4	100.0

Coefficient of Utilization



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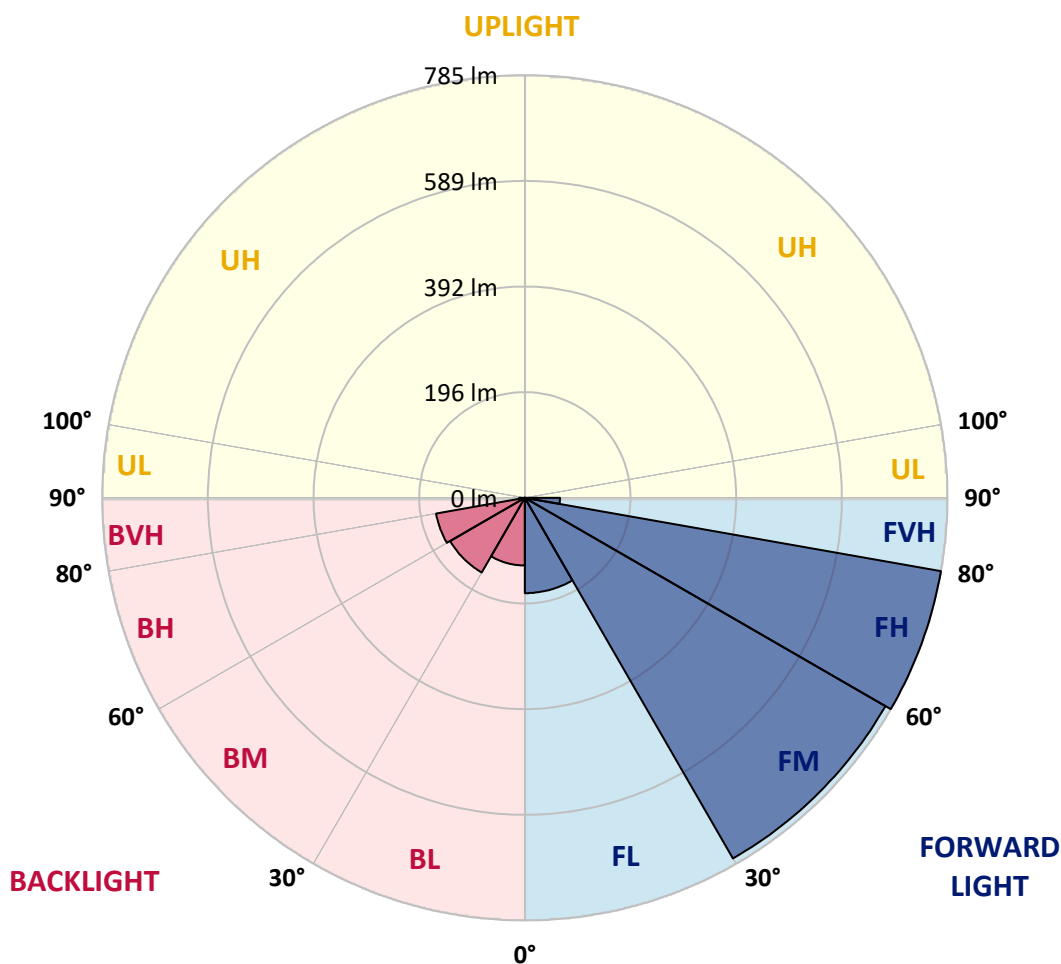
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	177.1	7.8			
FM	(30°-60°)	773.5	34.2			
FH	(60°-80°)	785.0	34.7			G1/1800
FVH	(80°-90°)	65.3	2.9			G1/100
BL	(0°-30°)	125.6	5.5	B1/500		
BM	(30°-60°)	160.1	7.1	B0/220		
BH	(60°-80°)	167.3	7.4	B1/500		G1/500
BVH	(80°-90°)	10.5	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	500.3	500.3	500.3	500.3	500.3	500.3	500.3	500.3	500.3	500.3	500.3
2.5°	475.8	478.4	479.2	480.9	485.1	488.5	493.5	496.1	493.5	496.9	496.9
5°	443.0	439.6	448.1	451.4	456.5	463.2	475.0	484.3	481.7	491.8	500.3
7.5°	415.2	415.2	417.7	425.3	431.2	441.3	453.9	468.3	472.5	486.0	498.6
10°	389.9	393.3	393.3	405.1	408.5	420.3	441.3	459.0	459.8	482.6	500.3
12.5°	376.5	374.8	383.2	386.6	396.7	408.5	425.3	447.2	448.1	472.5	496.9
15°	365.5	367.2	371.4	379.8	389.1	398.4	414.4	434.6	438.8	467.4	495.2
17.5°	366.4	367.2	367.2	373.1	380.7	391.6	406.8	430.4	432.9	460.7	492.7
20°	371.4	368.0	370.6	373.1	378.2	388.3	400.9	421.1	423.6	459.8	498.6
22.5°	382.4	379.8	379.0	378.2	377.3	383.2	399.2	416.0	418.6	455.6	501.1
25°	400.0	399.2	393.3	387.4	383.2	383.2	395.8	420.3	419.4	455.6	502.8
27.5°	421.1	421.1	420.3	409.3	396.7	389.9	398.4	418.6	417.7	455.6	507.0
30°	449.7	449.7	447.2	437.1	414.4	395.0	400.0	416.9	419.4	452.3	503.6
32.5°	480.9	480.1	482.6	473.3	449.7	418.6	410.2	420.3	422.8	455.6	504.5
35°	503.6	508.7	517.1	508.7	485.1	443.0	424.5	427.0	428.7	456.5	507.8
37.5°	529.7	535.6	547.4	554.2	528.9	480.1	447.2	437.9	437.9	467.4	508.7
40°	567.6	561.8	582.0	593.8	583.6	525.5	482.6	458.2	459.0	481.7	519.6
42.5°	595.4	601.3	622.4	643.4	630.8	581.1	521.3	491.0	491.0	502.8	536.5
45°	626.6	633.3	662.8	688.1	697.3	647.7	574.4	538.2	536.5	544.1	566.8
47.5°	661.1	670.4	704.1	733.6	758.0	716.7	642.6	595.4	594.6	600.5	617.3
50°	700.7	704.1	731.9	785.8	834.6	808.5	726.0	676.3	672.1	674.6	697.3
52.5°	712.5	710.0	742.0	800.1	889.4	920.5	839.7	768.1	766.4	760.5	790.0
55°	669.6	678.0	709.1	783.3	934.0	1052.8	964.3	893.6	878.4	862.4	897.8
57.5°	583.6	584.5	619.9	707.5	899.5	1162.2	1175.7	1016.5	1017.4	974.4	1014.9
60°	453.9	451.4	479.2	558.4	800.9	1195.9	1406.5	1212.8	1204.4	1086.4	1123.5
62.5°	327.6	322.6	328.5	374.8	598.8	1144.6	1633.0	1432.6	1397.2	1201.0	1229.6
65°	269.5	272.0	274.6	277.1	336.0	944.1	1702.9	1791.4	1744.2	1334.9	1346.7
67.5°	223.2	224.9	235.8	251.0	249.3	557.5	1622.1	2123.2	2105.5	1500.8	1447.8
70°	189.5	188.7	201.3	229.1	233.3	289.7	1284.4	2191.4	2229.3	1679.4	1562.3
72.5°	151.6	153.3	164.2	201.3	229.1	244.2	739.5	2044.9	2044.0	1816.6	1500.8
75°	108.6	108.6	123.8	166.8	221.5	241.7	409.3	1660.0	1691.1	1707.1	1302.0
77.5°	71.6	75.0	86.7	124.6	208.0	236.7	259.4	1206.9	1245.6	1276.8	996.3
80°	48.8	50.5	58.1	86.7	176.0	238.3	212.2	811.9	827.0	704.9	404.3
82.5°	29.5	30.3	38.7	60.6	126.3	226.6	199.6	448.1	438.8	213.1	116.2
85°	16.0	16.8	24.4	40.4	83.4	197.9	196.2	219.8	204.7	78.3	48.8
87.5°	5.9	5.9	10.9	20.2	48.0	135.6	171.0	130.5	122.1	39.6	22.7
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°	500.3	500.3	500.3	500.3	500.3	500.3	500.3	500.3	500.3	500.3	500.3
2.5°	501.1	501.1	501.1	501.1	500.3	496.9	499.4	498.6	493.5	494.4	491.0
5°	499.4	503.6	501.1	497.7	493.5	483.4	480.1	477.5	470.8	468.3	470.8
7.5°	503.6	500.3	498.6	492.7	475.8	466.6	454.8	440.5	430.4	427.8	430.4
10°	502.8	502.8	495.2	478.4	462.4	435.4	420.3	395.0	380.7	376.5	377.3
12.5°	499.4	502.0	490.2	463.2	432.9	400.0	372.3	345.3	320.0	309.9	308.2
15°	502.8	500.3	479.2	444.7	402.6	357.1	316.7	277.1	253.5	238.3	235.0
17.5°	497.7	495.2	464.9	419.4	363.0	304.9	254.3	211.4	187.8	181.9	181.9
20°	503.6	487.6	448.1	389.1	321.7	247.6	190.3	158.3	152.4	152.4	154.1
22.5°	502.8	486.0	433.7	359.6	272.0	187.0	141.5	132.2	133.1	139.8	139.0
25°	497.7	482.6	413.5	326.8	219.8	140.6	117.1	114.5	120.4	128.0	127.2
27.5°	496.9	473.3	395.0	288.0	167.6	111.2	101.9	101.9	107.8	114.5	113.7
30°	491.8	465.7	372.3	244.2	126.3	96.9	93.5	93.5	96.0	99.4	99.4
32.5°	491.0	455.6	347.0	198.8	101.1	87.6	85.9	86.7	86.7	88.4	87.6
35°	484.3	442.2	320.9	154.1	87.6	82.5	80.9	80.0	80.0	79.2	79.2
37.5°	481.7	433.7	293.9	119.6	81.7	78.3	76.6	74.1	73.3	73.3	72.4
40°	484.3	425.3	267.8	96.9	76.6	75.0	72.4	69.1	68.2	68.2	68.2
42.5°	493.5	424.5	240.9	84.2	74.1	71.6	68.2	64.8	64.0	64.8	64.0
45°	514.6	431.2	214.8	78.3	70.7	68.2	64.0	61.5	60.6	61.5	61.5
47.5°	549.1	449.7	191.2	75.0	68.2	64.8	60.6	58.1	58.1	58.1	58.1
50°	606.4	485.1	168.4	72.4	66.5	62.3	58.1	54.7	53.9	53.9	54.7
52.5°	692.3	545.7	149.9	70.7	64.0	59.0	54.7	52.2	50.5	49.7	50.5
55°	795.9	634.2	144.0	69.1	60.6	56.4	52.2	48.8	47.2	47.2	46.3
57.5°	907.1	731.9	154.1	67.4	58.1	53.1	48.8	45.5	43.8	43.0	43.0
60°	1027.5	847.3	191.2	66.5	55.6	49.7	45.5	43.0	40.4	39.6	39.6
62.5°	1137.0	951.7	257.7	65.7	53.9	46.3	42.1	38.7	37.1	36.2	36.2
65°	1261.6	1067.9	322.6	69.1	53.1	43.8	38.7	35.4	33.7	32.8	32.8
67.5°	1370.3	1169.0	360.5	77.5	55.6	40.4	34.5	32.0	31.2	30.3	30.3
70°	1449.4	1200.1	241.7	85.1	59.8	37.9	31.2	29.5	27.8	27.8	27.8
72.5°	1343.3	1071.3	143.2	80.0	56.4	35.4	27.8	26.1	25.3	25.3	24.4
75°	1148.8	912.1	110.3	64.8	45.5	30.3	24.4	22.7	21.9	21.9	21.1
77.5°	848.1	653.6	81.7	51.4	35.4	24.4	21.1	20.2	19.4	18.5	18.5
80°	331.8	286.3	55.6	37.9	26.1	19.4	17.7	16.8	16.0	15.2	15.2
82.5°	102.7	86.7	32.0	25.3	18.5	15.2	14.3	13.5	12.6	11.8	11.8
85°	44.6	43.0	21.1	16.0	12.6	10.1	10.1	9.3	8.4	7.6	7.6
87.5°	21.9	21.1	11.8	7.6	6.7	5.1	5.1	4.2	3.4	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)