

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: P675466

Luminaire Tested: **CCW-SA-1B-835-U-SL2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P675466
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1B-835-U-SL2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
SL2 distribution lens
Light Source: (16) 3500K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

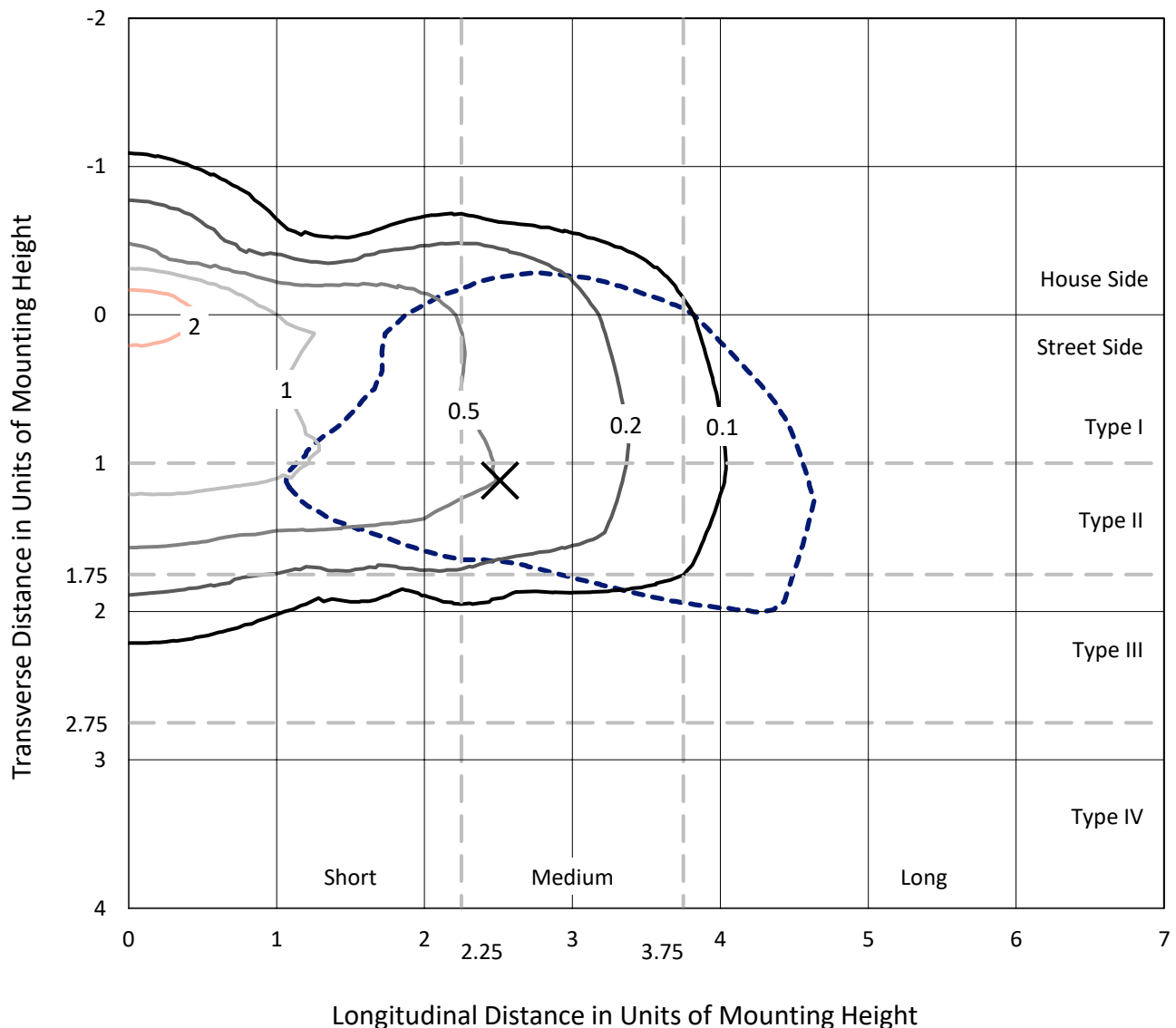
Lumens per Lamp: N/A
Luminaire Lumens: 2816.4 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 24
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

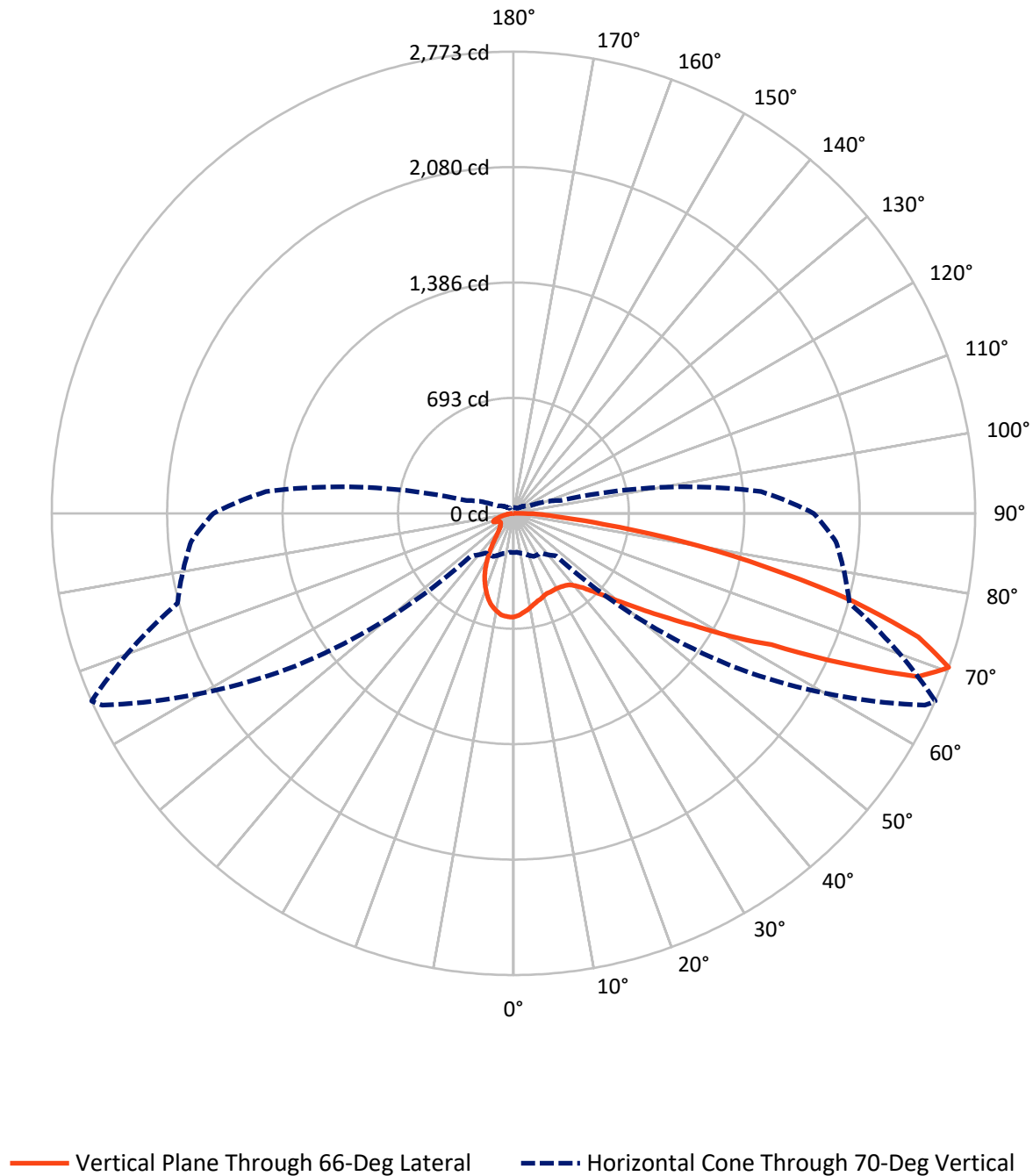
✕ Max cd
 - - - 1/2 Max cd



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



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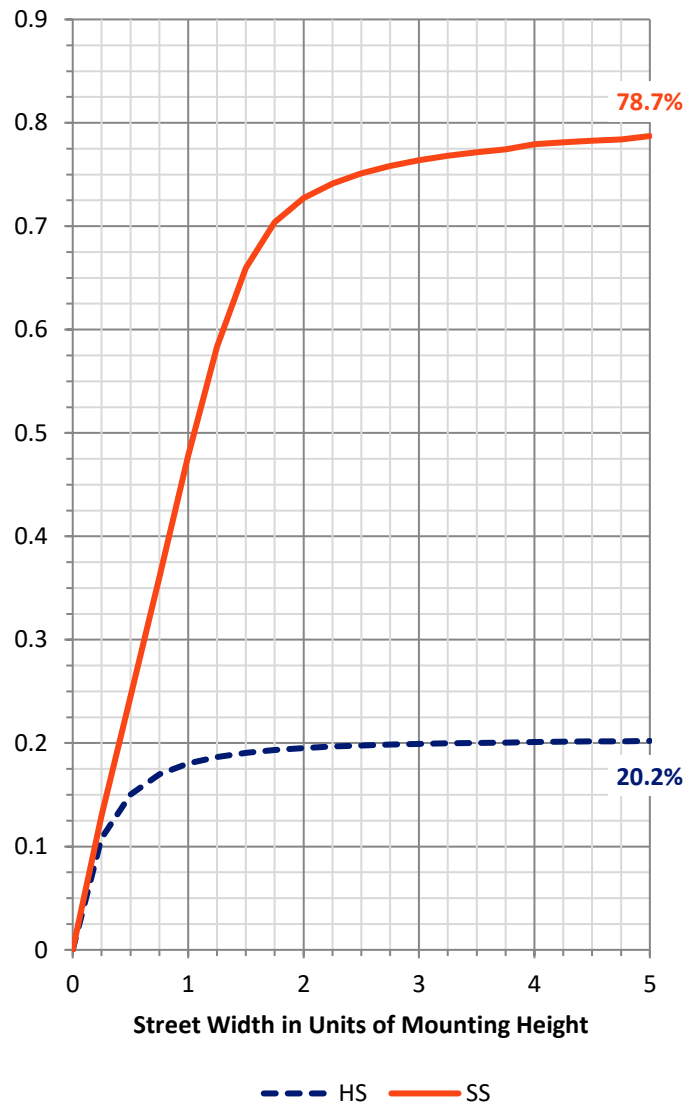
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	576.5	0.0	576.5
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	2239.9	0.0	2239.9
	% Fixture	79.5	0.0	79.5
Total	Lumens	2816.4	0.0	2816.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.0	2.0
10°-20°	135.4	4.8
20°-30°	186.0	6.6
30°-40°	249.4	8.9
40°-50°	361.9	12.8
50°-60°	550.0	19.5
60°-70°	679.3	24.1
70°-80°	505.2	17.9
80°-90°	94.2	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°	2816.4	100.0
0°-180°	2816.4	100.0

Coefficient of Utilization



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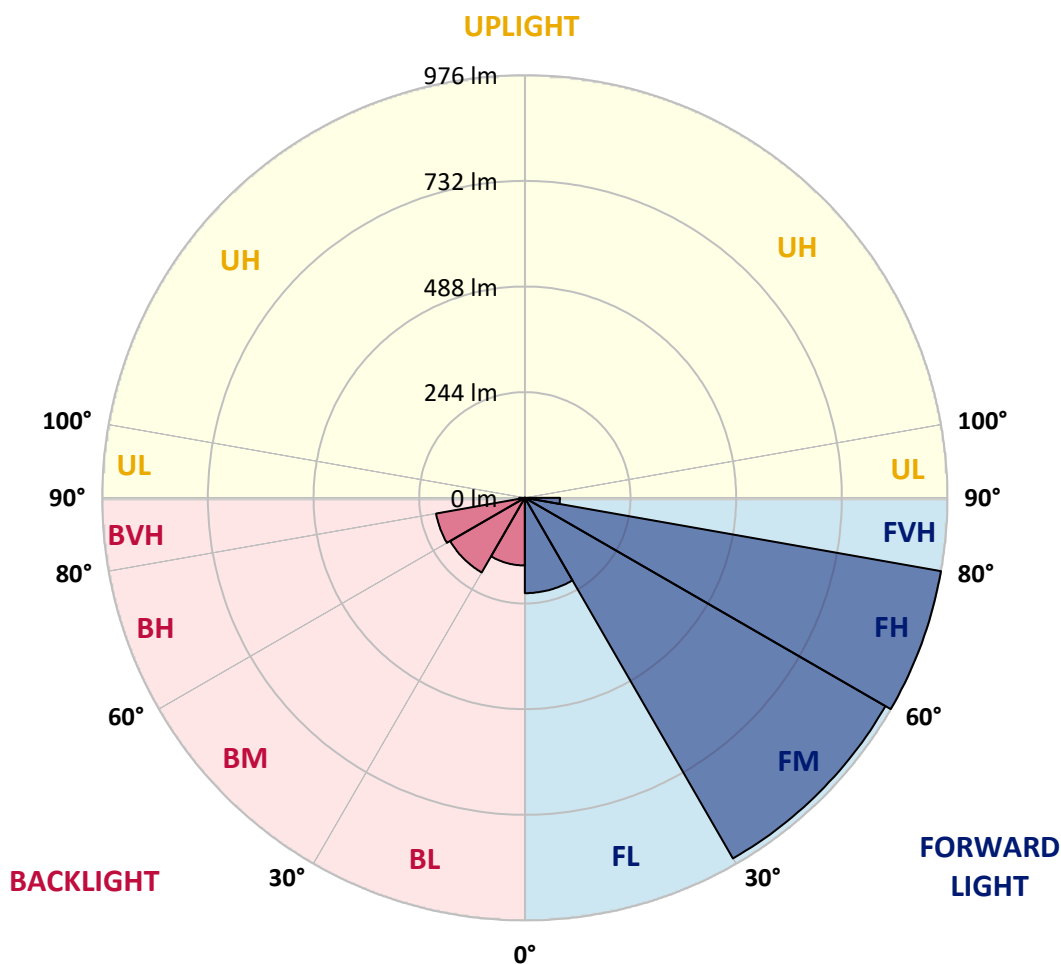
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	220.2	7.8			
FM	(30°-60°)	962.1	34.2			
FH	(60°-80°)	976.4	34.7			G1/1800
FVH	(80°-90°)	81.2	2.9			G1/100
BL	(0°-30°)	156.2	5.5	B1/500		
BM	(30°-60°)	199.1	7.1	B0/220		
BH	(60°-80°)	208.1	7.4	B1/500		G1/500
BVH	(80°-90°)	13.0	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°	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2
2.5°	591.9	595.0	596.0	598.1	603.4	607.6	613.9	617.0	613.9	618.0	618.0
5°	551.0	546.8	557.3	561.5	567.8	576.1	590.8	602.3	599.2	611.8	622.2
7.5°	516.4	516.4	519.6	529.0	536.3	548.9	564.6	582.4	587.7	604.4	620.1
10°	485.0	489.2	489.2	503.9	508.1	522.7	548.9	570.9	572.0	600.2	622.2
12.5°	468.2	466.2	476.6	480.8	493.4	508.1	529.0	556.2	557.3	587.7	618.0
15°	454.6	456.7	462.0	472.4	484.0	495.5	515.4	540.5	545.8	581.4	616.0
17.5°	455.7	456.7	456.7	464.1	473.5	487.1	506.0	535.3	538.4	573.0	612.8
20°	462.0	457.8	460.9	464.1	470.3	482.9	498.6	523.8	526.9	572.0	620.1
22.5°	475.6	472.4	471.4	470.3	469.3	476.6	496.5	517.5	520.6	566.7	623.3
25°	497.6	496.5	489.2	481.9	476.6	476.6	492.3	522.7	521.7	566.7	625.4
27.5°	523.8	523.8	522.7	509.1	493.4	485.0	495.5	520.6	519.6	566.7	630.6
30°	559.4	559.4	556.2	543.7	515.4	491.3	497.6	518.5	521.7	562.5	626.4
32.5°	598.1	597.1	600.2	588.7	559.4	520.6	510.1	522.7	525.9	566.7	627.5
35°	626.4	632.7	643.2	632.7	603.4	551.0	528.0	531.1	533.2	567.8	631.7
37.5°	658.9	666.2	680.9	689.3	657.9	597.1	556.2	544.7	544.7	581.4	632.7
40°	706.0	698.7	723.8	738.5	725.9	653.7	600.2	569.9	570.9	599.2	646.3
42.5°	740.6	747.9	774.1	800.3	784.6	722.8	648.4	610.7	610.7	625.4	667.3
45°	779.4	787.7	824.4	855.8	867.4	805.6	714.4	669.4	667.3	676.7	705.0
47.5°	822.3	833.8	875.7	912.4	942.8	891.5	799.3	740.6	739.6	746.9	767.8
50°	871.5	875.7	910.3	977.4	1038.1	1005.6	903.0	841.2	835.9	839.1	867.4
52.5°	886.2	883.1	922.9	995.2	1106.2	1145.0	1044.4	955.4	953.3	945.9	982.6
55°	832.8	843.3	882.0	974.2	1161.7	1309.4	1199.4	1111.4	1092.6	1072.7	1116.7
57.5°	725.9	727.0	771.0	879.9	1118.8	1445.6	1462.4	1264.4	1265.4	1212.0	1262.3
60°	564.6	561.5	596.0	694.5	996.2	1487.5	1749.4	1508.5	1498.0	1351.3	1397.4
62.5°	407.5	401.2	408.5	466.2	744.8	1423.6	2031.2	1781.9	1737.9	1493.8	1529.4
65°	335.2	338.4	341.5	344.6	418.0	1174.3	2118.1	2228.1	2169.4	1660.3	1675.0
67.5°	277.6	279.7	293.3	312.2	310.1	693.5	2017.6	2640.8	2618.8	1866.7	1800.7
70°	235.7	234.6	250.4	284.9	290.2	360.4	1597.5	2725.7	2772.8	2088.8	1943.2
72.5°	188.6	190.7	204.3	250.4	284.9	303.8	919.7	2543.4	2542.4	2259.5	1866.7
75°	135.1	135.1	154.0	207.4	275.5	300.6	509.1	2064.7	2103.5	2123.4	1619.5
77.5°	89.0	93.2	107.9	155.0	258.7	294.4	322.6	1501.1	1549.3	1588.1	1239.2
80°	60.8	62.9	72.3	107.9	218.9	296.5	264.0	1009.8	1028.7	876.8	502.8
82.5°	36.7	37.7	48.2	75.4	157.1	281.8	248.3	557.3	545.8	265.0	144.6
85°	19.9	21.0	30.4	50.3	103.7	246.2	244.1	273.4	254.6	97.4	60.8
87.5°	7.3	7.3	13.6	25.1	59.7	168.7	212.6	162.4	151.9	49.2	28.3
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°	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2	622.2
2.5°	623.3	623.3	623.3	623.3	622.2	618.0	621.2	620.1	613.9	614.9	610.7
5°	621.2	626.4	623.3	619.1	613.9	601.3	597.1	594.0	585.6	582.4	585.6
7.5°	626.4	622.2	620.1	612.8	591.9	580.3	565.7	547.9	535.3	532.1	535.3
10°	625.4	625.4	616.0	595.0	575.1	541.6	522.7	491.3	473.5	468.2	469.3
12.5°	621.2	624.3	609.7	576.1	538.4	497.6	463.0	429.5	398.1	385.5	383.4
15°	625.4	622.2	596.0	553.1	500.7	444.2	393.9	344.6	315.3	296.5	292.3
17.5°	619.1	616.0	578.2	521.7	451.5	379.2	316.4	262.9	233.6	226.3	226.3
20°	626.4	606.5	557.3	484.0	400.2	308.0	236.7	196.9	189.6	189.6	191.7
22.5°	625.4	604.4	539.5	447.3	338.4	232.6	176.0	164.5	165.5	173.9	172.8
25°	619.1	600.2	514.3	406.4	273.4	174.9	145.6	142.5	149.8	159.2	158.2
27.5°	618.0	588.7	491.3	358.3	208.5	138.3	126.8	126.8	134.1	142.5	141.4
30°	611.8	579.3	463.0	303.8	157.1	120.5	116.3	116.3	119.4	123.6	123.6
32.5°	610.7	566.7	431.6	247.2	125.7	108.9	106.8	107.9	107.9	110.0	108.9
35°	602.3	550.0	399.1	191.7	108.9	102.7	100.6	99.5	99.5	98.5	98.5
37.5°	599.2	539.5	365.6	148.7	101.6	97.4	95.3	92.2	91.1	91.1	90.1
40°	602.3	529.0	333.1	120.5	95.3	93.2	90.1	85.9	84.9	84.9	84.9
42.5°	613.9	528.0	299.6	104.8	92.2	89.0	84.9	80.7	79.6	80.7	79.6
45°	640.0	536.3	267.1	97.4	88.0	84.9	79.6	76.5	75.4	76.5	76.5
47.5°	683.0	559.4	237.8	93.2	84.9	80.7	75.4	72.3	72.3	72.3	72.3
50°	754.2	603.4	209.5	90.1	82.8	77.5	72.3	68.1	67.0	67.0	68.1
52.5°	861.1	678.8	186.5	88.0	79.6	73.3	68.1	64.9	62.9	61.8	62.9
55°	989.9	788.8	179.1	85.9	75.4	70.2	64.9	60.8	58.7	58.7	57.6
57.5°	1128.2	910.3	191.7	83.8	72.3	66.0	60.8	56.6	54.5	53.4	53.4
60°	1278.0	1053.8	237.8	82.8	69.1	61.8	56.6	53.4	50.3	49.2	49.2
62.5°	1414.2	1183.7	320.5	81.7	67.0	57.6	52.4	48.2	46.1	45.0	45.0
65°	1569.2	1328.3	401.2	85.9	66.0	54.5	48.2	44.0	41.9	40.9	40.9
67.5°	1704.3	1454.0	448.3	96.4	69.1	50.3	42.9	39.8	38.8	37.7	37.7
70°	1802.8	1492.7	300.6	105.8	74.4	47.1	38.8	36.7	34.6	34.6	34.6
72.5°	1670.8	1332.5	178.1	99.5	70.2	44.0	34.6	32.5	31.4	31.4	30.4
75°	1428.8	1134.5	137.2	80.7	56.6	37.7	30.4	28.3	27.2	27.2	26.2
77.5°	1054.9	812.9	101.6	63.9	44.0	30.4	26.2	25.1	24.1	23.0	23.0
80°	412.7	356.2	69.1	47.1	32.5	24.1	22.0	21.0	19.9	18.9	18.9
82.5°	127.8	107.9	39.8	31.4	23.0	18.9	17.8	16.8	15.7	14.7	14.7
85°	55.5	53.4	26.2	19.9	15.7	12.6	12.6	11.5	10.5	9.4	9.4
87.5°	27.2	26.2	14.7	9.4	8.4	6.3	6.3	5.2	4.2	4.2	4.2
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)