

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: P675379

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

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675379  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1C-727-U-SL2  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @615mA w/  
SL2 distribution lens  
Light Source: (16) 2700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

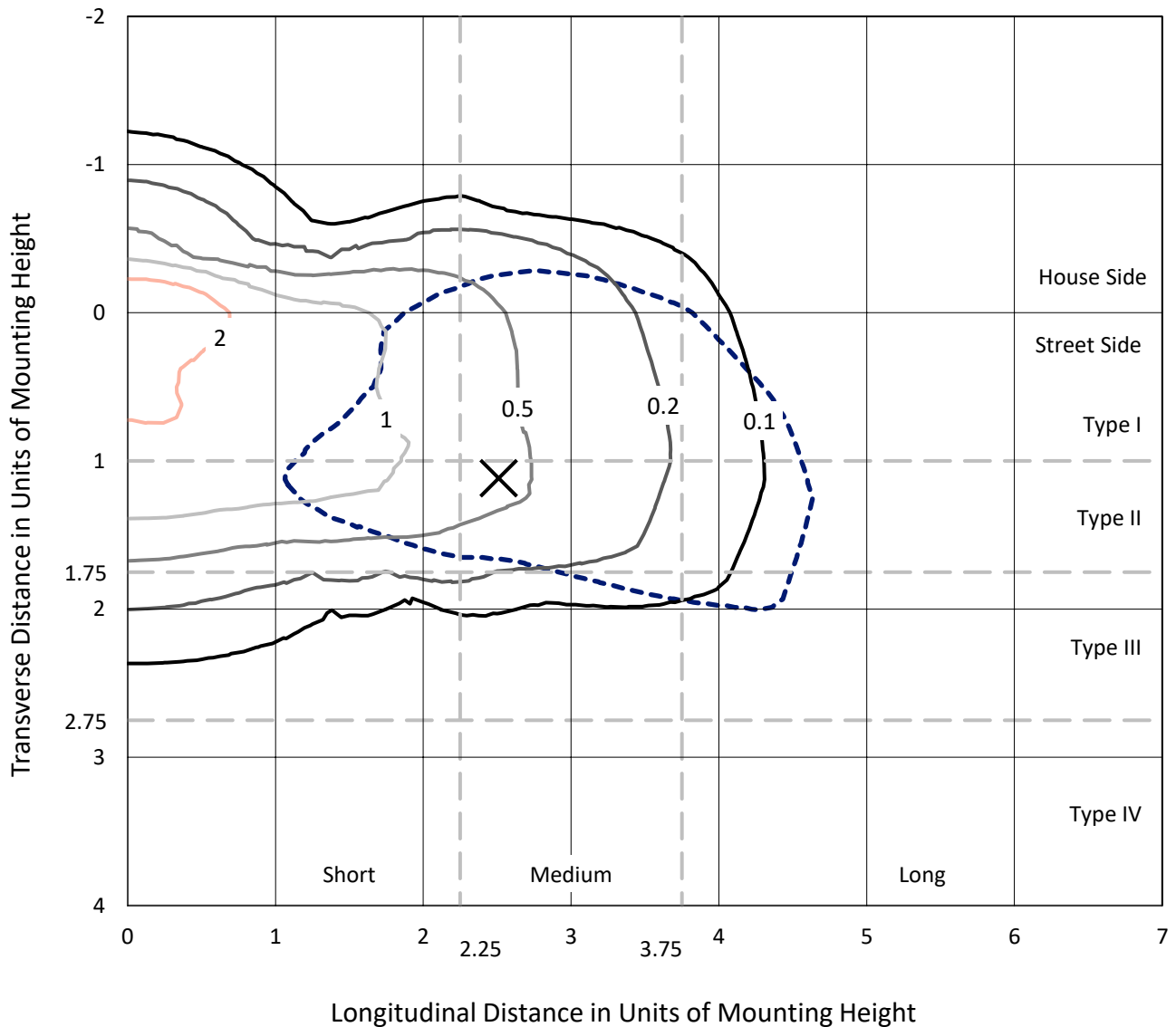
Lumens per Lamp: N/A  
Luminaire Lumens: 3742.2 lumens  
Efficiency: N/A  
Efficacy: 116.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 32  
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

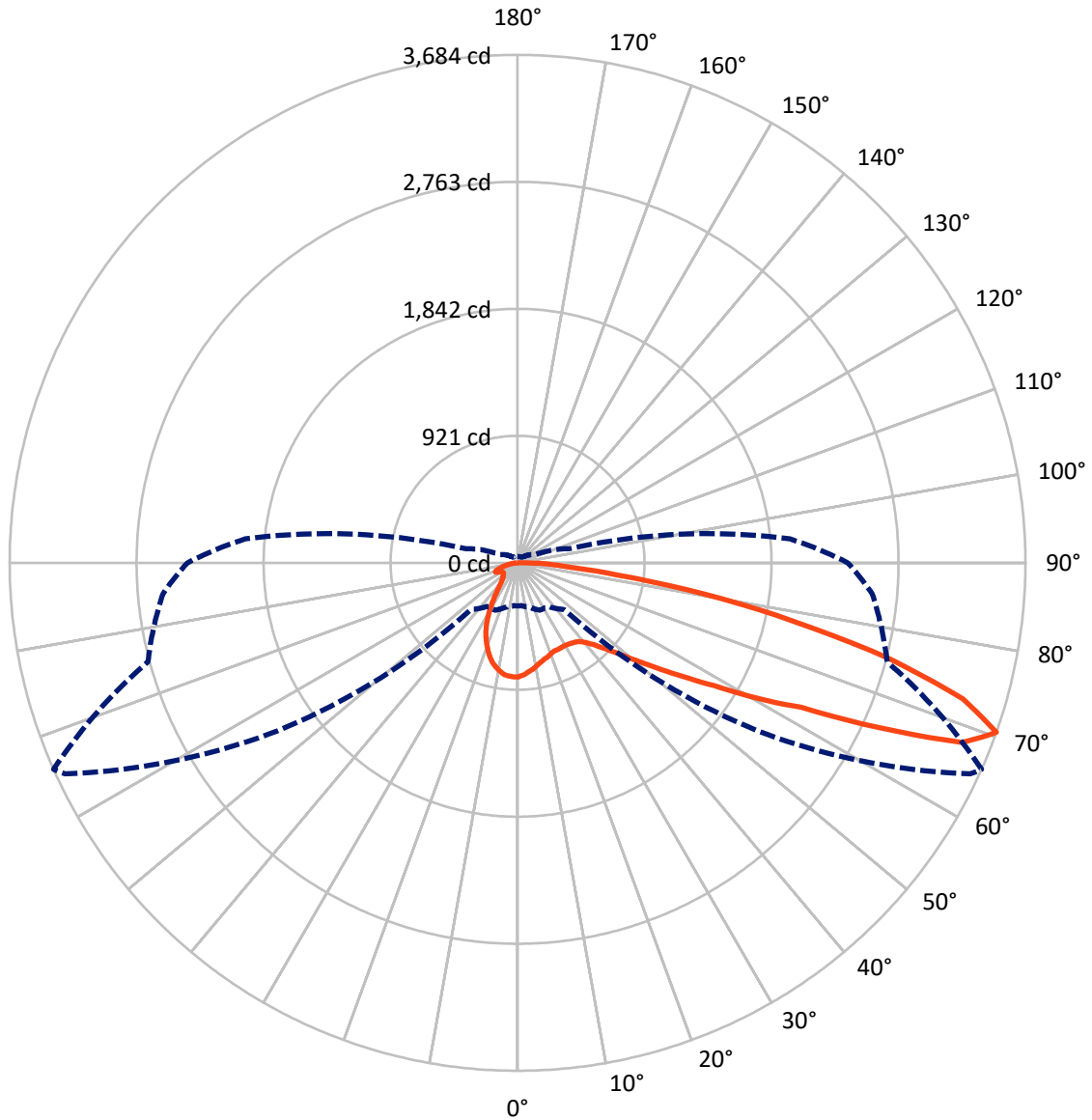
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.7 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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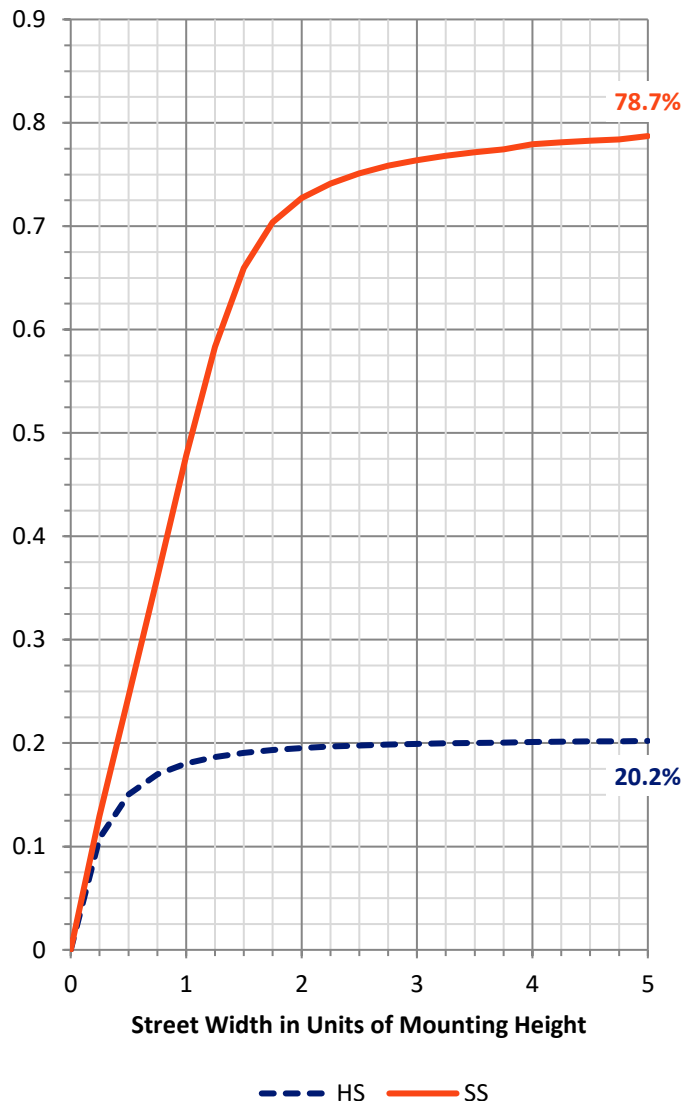
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	766.0	0.0	766.0
	% Fixture	20.5	0.0	20.5
<b>Street Side</b>	Lumens	2976.2	0.0	2976.2
	% Fixture	79.5	0.0	79.5
<b>Total</b>	Lumens	3742.2	0.0	3742.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.1	2.0
10°-20°	180.0	4.8
20°-30°	247.1	6.6
30°-40°	331.4	8.9
40°-50°	480.8	12.8
50°-60°	730.8	19.5
60°-70°	902.6	24.1
70°-80°	671.2	17.9
80°-90°	125.2	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°	3742.2	100.0
0°-180°	3742.2	100.0

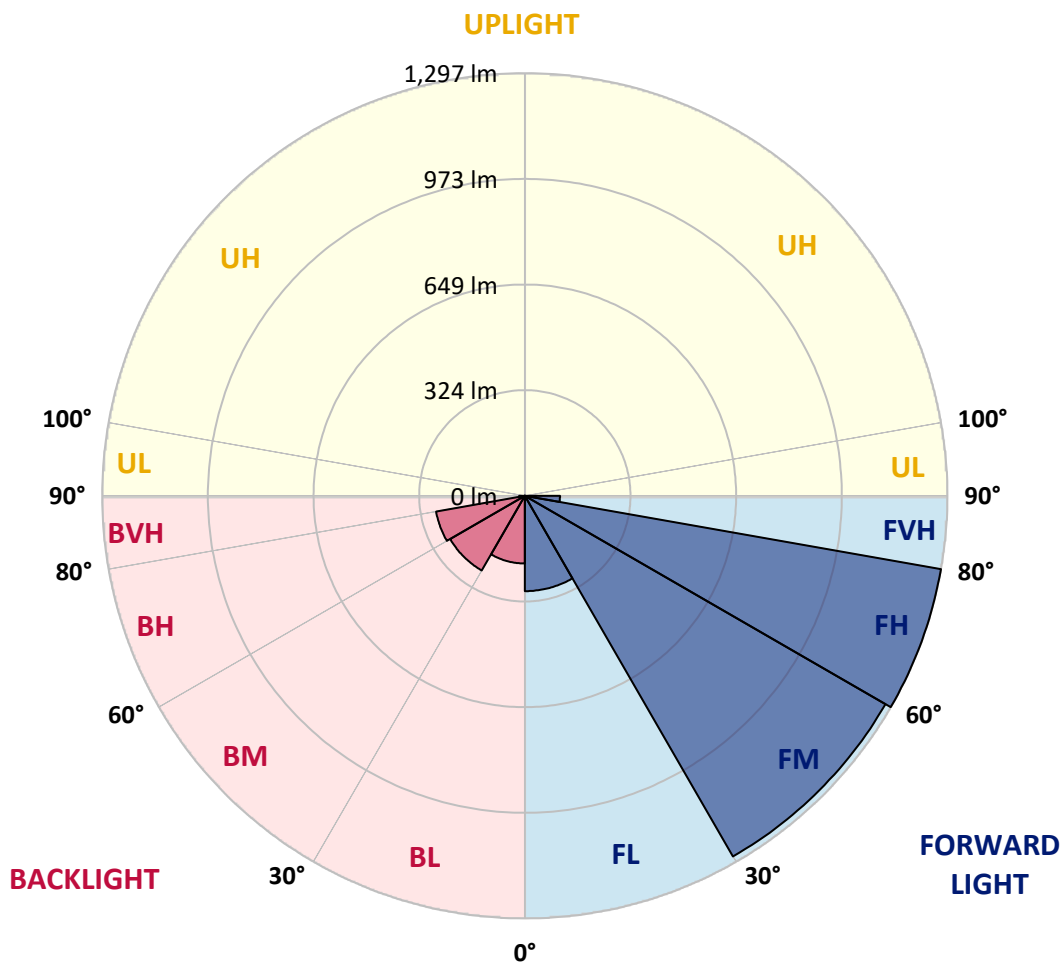


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	292.6	7.8			
FM (30°-60°)	1278.4	34.2			
FH (60°-80°)	1297.3	34.7			G1/1800
FVH (80°-90°)	107.9	2.9			G2/225
BL (0°-30°)	207.6	5.5	B1/500		
BM (30°-60°)	264.6	7.1	B1/1000		
BH (60°-80°)	276.5	7.4	B1/500		G1/500
BVH (80°-90°)	17.3	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-G2**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	826.8	826.8	826.8	826.8	826.8	826.8	826.8	826.8	826.8	826.8	826.8
2.5°	786.4	790.6	792.0	794.7	801.7	807.3	815.6	819.8	815.6	821.2	821.2
5°	732.1	726.5	740.5	746.0	754.4	765.5	785.0	800.3	796.1	812.8	826.8
7.5°	686.2	686.2	690.4	702.9	712.6	729.3	750.2	773.9	780.8	803.1	824.0
10°	644.4	650.0	650.0	669.5	675.0	694.5	729.3	758.6	759.9	797.5	826.8
12.5°	622.2	619.4	633.3	638.9	655.6	675.0	702.9	739.1	740.5	780.8	821.2
15°	604.1	606.8	613.8	627.7	643.0	658.3	684.8	718.2	725.2	772.5	818.4
17.5°	605.5	606.8	606.8	616.6	629.1	647.2	672.3	711.2	715.4	761.3	814.2
20°	613.8	608.2	612.4	616.6	624.9	641.6	662.5	695.9	700.1	759.9	824.0
22.5°	631.9	627.7	626.3	624.9	623.5	633.3	659.7	687.6	691.7	753.0	828.1
25°	661.1	659.7	650.0	640.2	633.3	633.3	654.2	694.5	693.1	753.0	830.9
27.5°	695.9	695.9	694.5	676.4	655.6	644.4	658.3	691.7	690.4	753.0	837.9
30°	743.2	743.2	739.1	722.4	684.8	652.8	661.1	689.0	693.1	747.4	832.3
32.5°	794.7	793.4	797.5	782.2	743.2	691.7	677.8	694.5	698.7	753.0	833.7
35°	832.3	840.7	854.6	840.7	801.7	732.1	701.5	705.7	708.4	754.4	839.3
37.5°	875.5	885.2	904.7	915.8	874.1	793.4	739.1	723.8	723.8	772.5	840.7
40°	938.1	928.4	961.8	981.3	964.5	868.5	797.5	757.2	758.6	796.1	858.8
42.5°	984.0	993.8	1028.6	1063.4	1042.5	960.4	861.6	811.4	811.4	830.9	886.6
45°	1035.5	1046.7	1095.4	1137.1	1152.4	1070.3	949.2	889.4	886.6	899.1	936.7
47.5°	1092.6	1107.9	1163.6	1212.3	1252.7	1184.5	1062.0	984.0	982.6	992.4	1020.2
50°	1158.0	1163.6	1209.5	1298.6	1379.3	1336.2	1199.8	1117.7	1110.7	1114.9	1152.4
52.5°	1177.5	1173.3	1226.2	1322.3	1469.8	1521.3	1387.7	1269.4	1266.6	1256.8	1305.6
55°	1106.5	1120.4	1171.9	1294.4	1543.6	1739.8	1593.7	1476.7	1451.7	1425.2	1483.7
57.5°	964.5	965.9	1024.4	1169.1	1486.5	1920.7	1943.0	1680.0	1681.3	1610.4	1677.2
60°	750.2	746.0	792.0	922.8	1323.6	1976.4	2324.4	2004.3	1990.3	1795.5	1856.7
62.5°	541.4	533.1	542.8	619.4	989.6	1891.5	2698.8	2367.5	2309.1	1984.8	2032.1
65°	445.4	449.6	453.7	457.9	555.3	1560.3	2814.3	2960.5	2882.5	2206.1	2225.6
67.5°	368.8	371.6	389.7	414.8	412.0	921.4	2680.7	3508.8	3479.6	2480.3	2392.6
70°	313.2	311.8	332.7	378.6	385.5	478.8	2122.6	3621.6	3684.2	2775.3	2581.9
72.5°	250.5	253.3	271.4	332.7	378.6	403.6	1222.0	3379.4	3378.0	3002.2	2480.3
75°	179.5	179.5	204.6	275.6	366.1	399.5	676.4	2743.3	2794.8	2821.3	2151.8
77.5°	118.3	123.9	143.4	206.0	343.8	391.1	428.7	1994.5	2058.5	2110.0	1646.6
80°	80.7	83.5	96.0	143.4	290.9	393.9	350.7	1341.7	1366.8	1165.0	668.1
82.5°	48.7	50.1	64.0	100.2	208.8	374.4	329.9	740.5	725.2	352.1	192.1
85°	26.4	27.8	40.4	66.8	137.8	327.1	324.3	363.3	338.2	129.4	80.7
87.5°	9.7	9.7	18.1	33.4	79.3	224.1	282.5	215.7	201.8	65.4	37.6
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°	826.8	826.8	826.8	826.8	826.8	826.8	826.8	826.8	826.8	826.8	826.8
2.5°	828.1	828.1	828.1	828.1	826.8	821.2	825.4	824.0	815.6	817.0	811.4
5°	825.4	832.3	828.1	822.6	815.6	798.9	793.4	789.2	778.0	773.9	778.0
7.5°	832.3	826.8	824.0	814.2	786.4	771.1	751.6	727.9	711.2	707.1	711.2
10°	830.9	830.9	818.4	790.6	764.1	719.6	694.5	652.8	629.1	622.2	623.5
12.5°	825.4	829.5	810.1	765.5	715.4	661.1	615.2	570.7	528.9	512.2	509.4
15°	830.9	826.8	792.0	734.9	665.3	590.1	523.3	457.9	418.9	393.9	388.3
17.5°	822.6	818.4	768.3	693.1	599.9	503.8	420.3	349.4	310.4	300.6	300.6
20°	832.3	805.9	740.5	643.0	531.7	409.2	314.6	261.7	251.9	251.9	254.7
22.5°	830.9	803.1	716.8	594.3	449.6	309.0	233.8	218.5	219.9	231.0	229.7
25°	822.6	797.5	683.4	540.0	363.3	232.4	193.5	189.3	199.0	211.6	210.2
27.5°	821.2	782.2	652.8	476.0	277.0	183.7	168.4	168.4	178.2	189.3	187.9
30°	812.8	769.7	615.2	403.6	208.8	160.1	154.5	154.5	158.7	164.2	164.2
32.5°	811.4	753.0	573.4	328.5	167.0	144.8	142.0	143.4	143.4	146.1	144.8
35°	800.3	730.7	530.3	254.7	144.8	136.4	133.6	132.2	132.2	130.8	130.8
37.5°	796.1	716.8	485.8	197.6	135.0	129.4	126.7	122.5	121.1	121.1	119.7
40°	800.3	702.9	442.6	160.1	126.7	123.9	119.7	114.1	112.7	112.7	112.7
42.5°	815.6	701.5	398.1	139.2	122.5	118.3	112.7	107.2	105.8	107.2	105.8
45°	850.4	712.6	354.9	129.4	116.9	112.7	105.8	101.6	100.2	101.6	101.6
47.5°	907.5	743.2	315.9	123.9	112.7	107.2	100.2	96.0	96.0	96.0	96.0
50°	1002.1	801.7	278.4	119.7	110.0	103.0	96.0	90.5	89.1	89.1	90.5
52.5°	1144.1	901.9	247.7	116.9	105.8	97.4	90.5	86.3	83.5	82.1	83.5
55°	1315.3	1048.1	238.0	114.1	100.2	93.3	86.3	80.7	77.9	77.9	76.6
57.5°	1499.0	1209.5	254.7	111.3	96.0	87.7	80.7	75.2	72.4	71.0	71.0
60°	1698.1	1400.2	315.9	110.0	91.9	82.1	75.2	71.0	66.8	65.4	65.4
62.5°	1879.0	1572.8	425.9	108.6	89.1	76.6	69.6	64.0	61.2	59.8	59.8
65°	2085.0	1764.9	533.1	114.1	87.7	72.4	64.0	58.5	55.7	54.3	54.3
67.5°	2264.5	1931.9	595.7	128.0	91.9	66.8	57.1	52.9	51.5	50.1	50.1
70°	2395.4	1983.4	399.5	140.6	98.8	62.6	51.5	48.7	45.9	45.9	45.9
72.5°	2220.0	1770.4	236.6	132.2	93.3	58.5	45.9	43.1	41.8	41.8	40.4
75°	1898.5	1507.4	182.3	107.2	75.2	50.1	40.4	37.6	36.2	36.2	34.8
77.5°	1401.6	1080.1	135.0	84.9	58.5	40.4	34.8	33.4	32.0	30.6	30.6
80°	548.4	473.2	91.9	62.6	43.1	32.0	29.2	27.8	26.4	25.1	25.1
82.5°	169.8	143.4	52.9	41.8	30.6	25.1	23.7	22.3	20.9	19.5	19.5
85°	73.8	71.0	34.8	26.4	20.9	16.7	16.7	15.3	13.9	12.5	12.5
87.5°	36.2	34.8	19.5	12.5	11.1	8.4	8.4	7.0	5.6	5.6	5.6
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)