

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: P675284

Luminaire Tested: **CCW-SA-2B-750-U-T4W**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P675284  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2B-750-U-T4W  
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/  
T4W distribution lens  
Light Source: (32) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

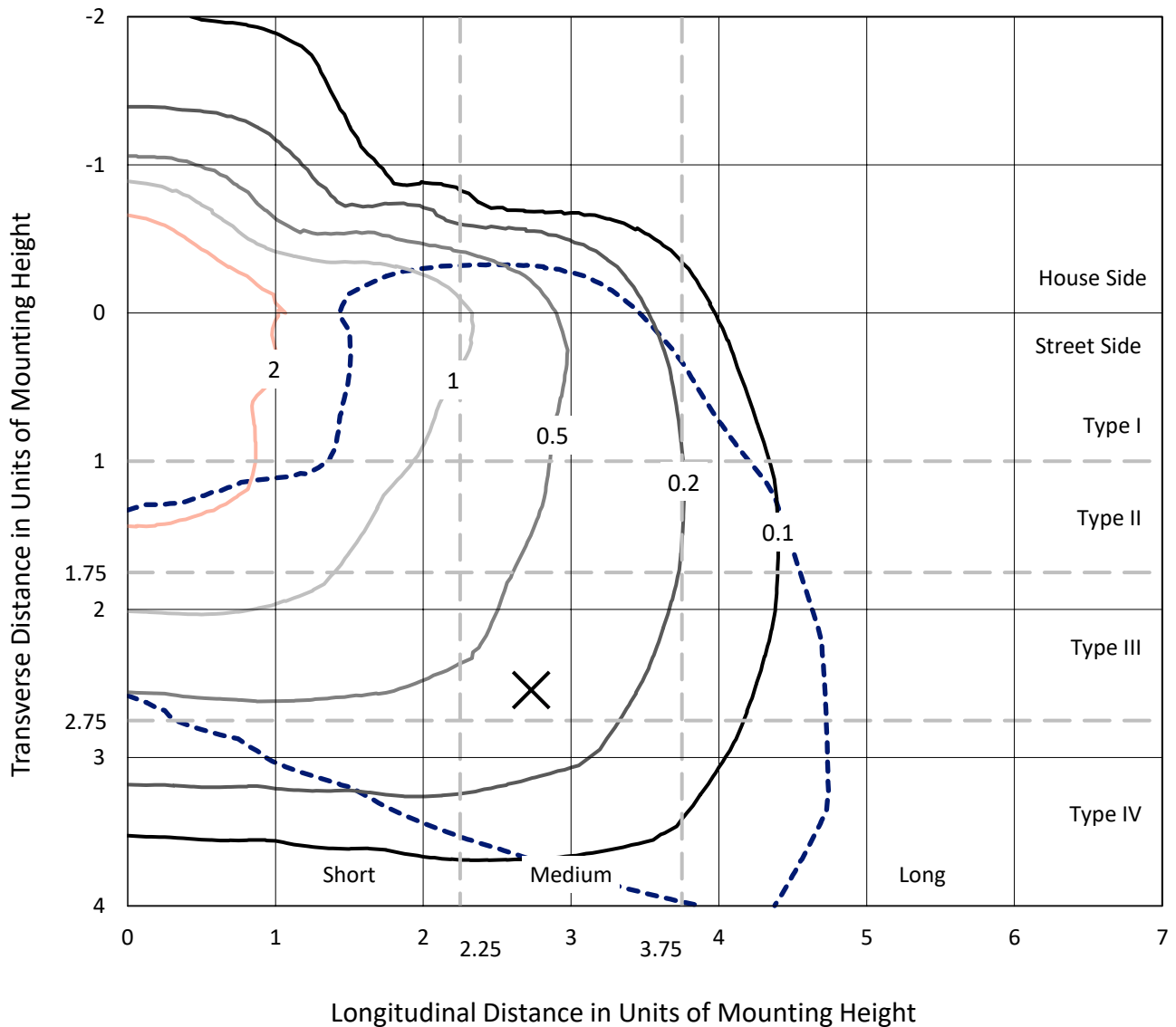
Lumens per Lamp: N/A  
Luminaire Lumens: 7126.6 lumens  
Efficiency: N/A  
Efficacy: 154.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 46  
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

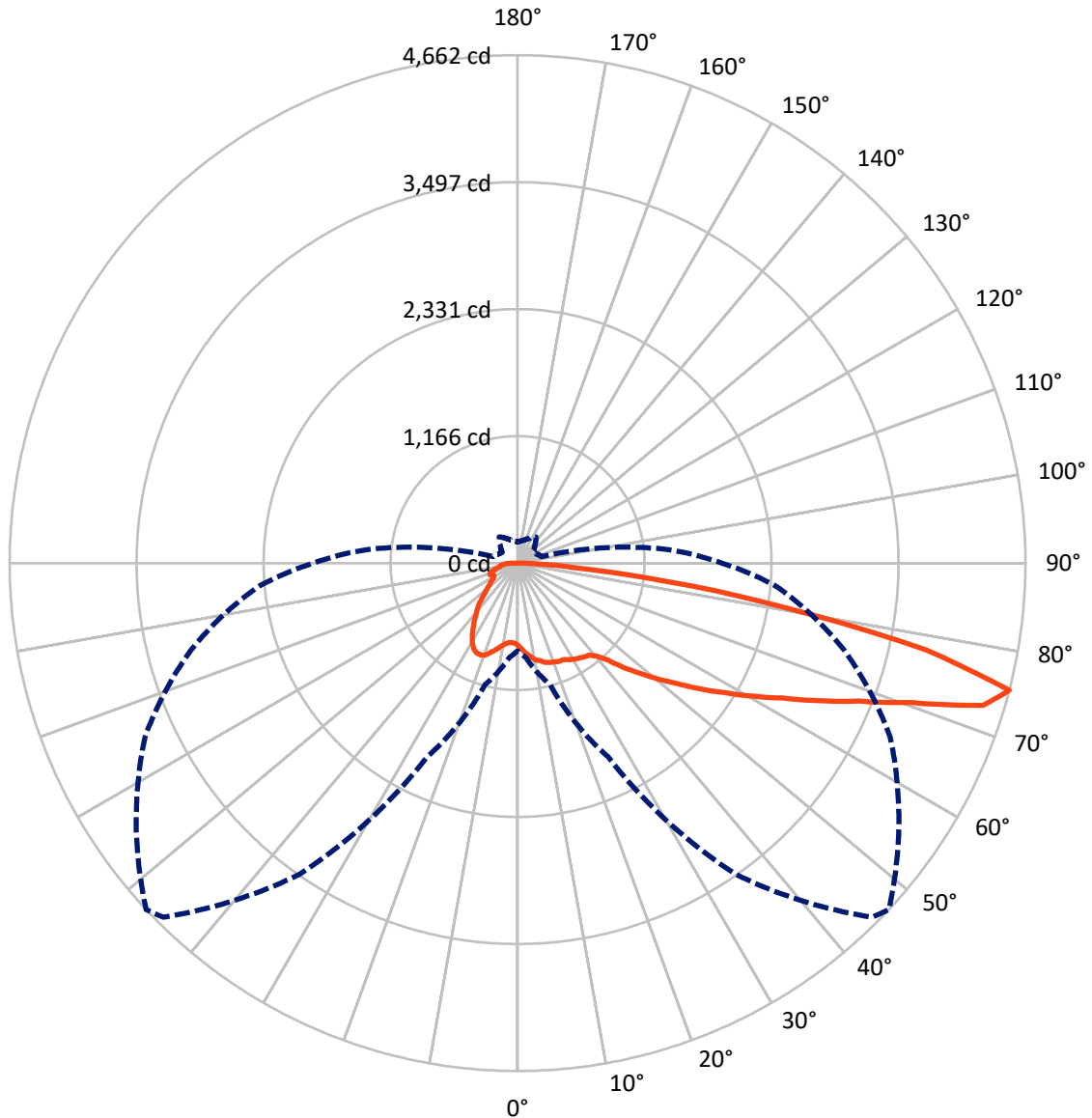
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.3 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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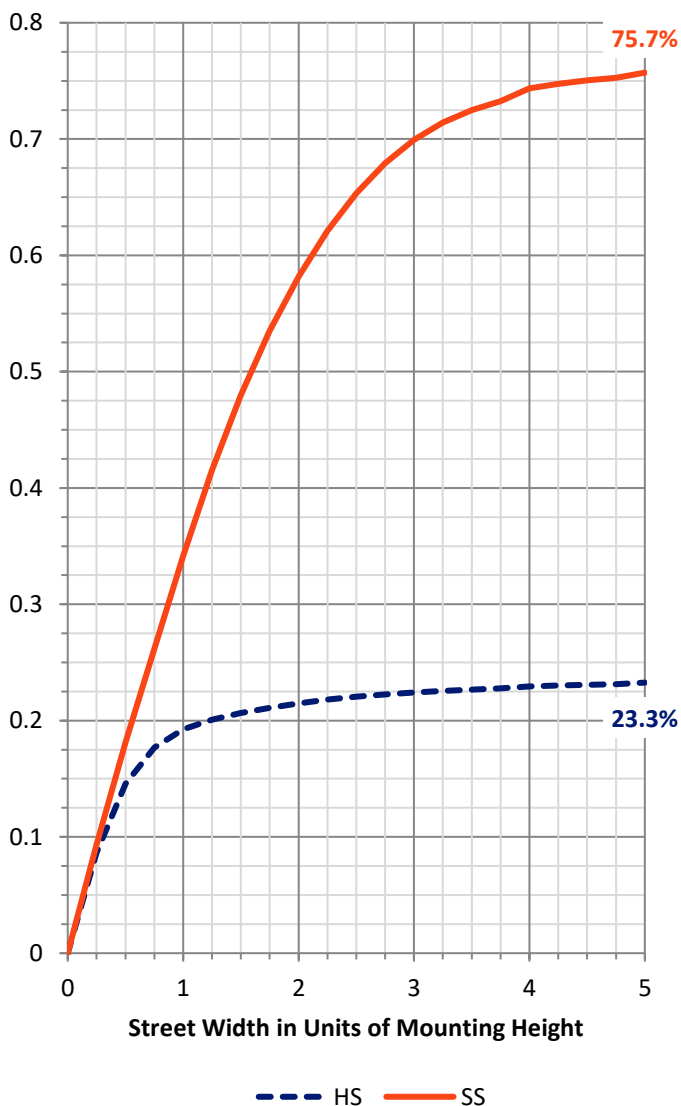
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1704.3	0.0	1704.3
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	5422.3	0.0	5422.3
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	7126.6	0.0	7126.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.5	1.1
10°-20°	254.0	3.6
20°-30°	435.1	6.1
30°-40°	608.8	8.5
40°-50°	848.9	11.9
50°-60°	1268.8	17.8
60°-70°	1829.3	25.7
70°-80°	1557.1	21.8
80°-90°	248.0	3.5
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°	7126.6	100.0
0°-180°	7126.6	100.0



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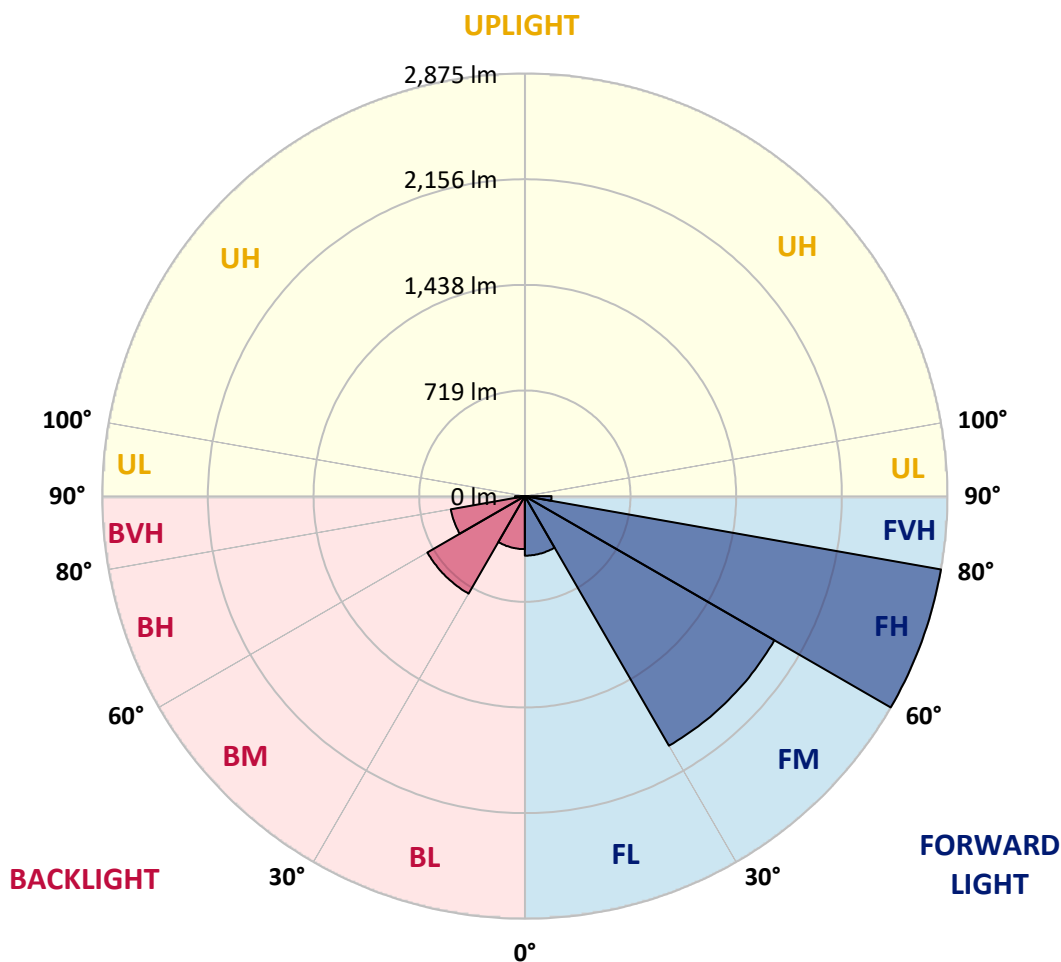
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	404.9	5.7			
FM (30°-60°)	1960.5	27.5			
FH (60°-80°)	2875.2	40.3			G2/5000
FVH (80°-90°)	181.7	2.6			G2/225
BL (0°-30°)	360.7	5.1	B1/500		
BM (30°-60°)	766.0	10.7	B1/1000		
BH (60°-80°)	511.3	7.2	B2/1000		G2/1000
BVH (80°-90°)	66.3	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	756.7	756.7	756.7	756.7	756.7	756.7	756.7	756.7	756.7	756.7	756.7
2.5°	811.3	813.9	813.9	808.7	803.5	793.1	793.1	782.7	777.5	764.5	759.3
5°	886.7	878.9	871.1	868.5	855.5	837.3	834.7	824.3	795.7	782.7	764.5
7.5°	941.3	938.7	936.1	925.7	902.3	873.7	865.9	850.3	821.7	795.7	774.9
10°	985.5	995.9	985.5	962.1	938.7	907.5	904.9	876.3	850.3	819.1	793.1
12.5°	1034.9	1037.5	1019.3	990.7	954.3	928.3	917.9	907.5	878.9	852.9	813.9
15°	1068.7	1063.5	1050.5	1011.5	969.9	943.9	946.5	933.5	902.3	884.1	842.5
17.5°	1068.7	1068.7	1047.9	1019.3	982.9	959.5	959.5	951.7	930.9	904.9	876.3
20°	1047.9	1047.9	1034.9	1019.3	977.7	972.5	967.3	962.1	962.1	938.7	897.1
22.5°	1021.9	1016.7	1021.9	995.9	967.3	972.5	980.3	977.7	969.9	949.1	920.5
25°	995.9	998.5	1003.7	985.5	959.5	982.9	980.3	993.3	988.1	972.5	949.1
27.5°	993.3	998.5	1001.1	982.9	972.5	993.3	1003.7	1016.7	1019.3	1003.7	975.1
30°	1032.3	1029.7	1027.1	1003.7	995.9	1014.1	1024.5	1042.7	1058.3	1024.5	1001.1
32.5°	1133.8	1118.2	1102.6	1040.1	1016.7	1029.7	1040.1	1066.1	1068.7	1050.5	1016.7
35°	1295.0	1284.6	1232.6	1123.4	1058.3	1045.3	1055.7	1073.9	1079.1	1066.1	1040.1
37.5°	1479.6	1474.4	1401.6	1269.0	1144.2	1081.7	1071.3	1097.4	1118.2	1089.5	1053.1
40°	1661.6	1640.8	1588.8	1458.8	1253.4	1136.4	1123.4	1136.4	1144.2	1123.4	1100.0
42.5°	1825.5	1802.0	1789.0	1659.0	1396.4	1227.4	1217.0	1185.8	1209.2	1183.2	1152.0
45°	1963.3	1958.1	1952.9	1841.1	1560.2	1375.6	1367.8	1287.2	1313.2	1292.4	1248.2
47.5°	2062.1	2085.5	2077.7	2015.3	1747.4	1534.2	1510.8	1406.8	1445.8	1425.0	1380.8
50°	2179.1	2192.1	2184.3	2142.7	1921.7	1716.2	1672.0	1565.4	1609.6	1607.0	1583.6
52.5°	2283.1	2322.1	2277.9	2275.3	2171.3	1913.9	1838.5	1737.0	1809.8	1838.5	1835.9
55°	2405.3	2436.5	2423.5	2418.3	2394.9	2106.3	2038.7	1916.5	2038.7	2080.3	2116.7
57.5°	2509.3	2506.7	2556.2	2616.0	2644.6	2327.3	2246.7	2103.7	2288.3	2335.1	2436.5
60°	2556.2	2600.4	2683.6	2834.4	2915.0	2564.0	2480.7	2366.3	2540.5	2577.0	2764.2
62.5°	2587.4	2626.4	2787.6	3042.4	3089.2	2805.8	2727.8	2613.4	2816.2	2842.2	3120.4
65°	2501.5	2537.9	2857.8	3120.4	3286.9	3065.8	3047.6	2928.0	3091.8	3107.4	3494.9
67.5°	2402.7	2441.7	2798.0	3219.2	3549.5	3411.7	3383.1	3240.0	3364.9	3346.7	3780.9
70°	2228.5	2280.5	2644.6	3305.1	3840.7	3895.3	3838.1	3635.3	3648.3	3476.7	3793.9
72.5°	1698.0	1731.8	2069.9	2964.4	3975.9	4566.2	4467.4	4061.8	3913.5	3502.7	3349.3
75°	806.1	868.5	1154.6	1960.7	3484.5	4597.4	4662.4	4272.4	3773.1	3107.4	2374.1
77.5°	234.0	234.0	351.0	832.1	2184.3	3705.5	3827.7	3627.5	3112.6	2301.3	1248.2
80°	127.4	135.2	184.6	293.8	959.5	2337.7	2514.5	2405.3	1833.3	910.1	322.4
82.5°	72.8	75.4	122.2	176.8	436.9	1271.6	1375.6	1248.2	696.9	275.6	150.8
85°	41.6	44.2	70.2	117.0	260.0	468.1	509.7	442.1	280.8	184.6	75.4
87.5°	20.8	20.8	33.8	54.6	132.6	132.6	130.0	158.6	169.0	111.8	33.8
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°	756.7	756.7	756.7	756.7	756.7	756.7	756.7	756.7	756.7	756.7	756.7
2.5°	756.7	754.1	754.1	743.7	741.1	733.3	733.3	728.1	725.5	733.3	733.3
5°	759.3	746.3	743.7	733.3	735.9	730.7	741.1	735.9	733.3	733.3	730.7
7.5°	764.5	751.5	741.1	733.3	730.7	738.5	751.5	751.5	767.1	759.3	759.3
10°	777.5	769.7	756.7	751.5	751.5	759.3	774.9	785.3	798.3	798.3	790.5
12.5°	808.7	795.7	780.1	772.3	782.7	790.5	806.1	816.5	832.1	837.3	832.1
15°	832.1	819.1	813.9	808.7	816.5	826.9	839.9	850.3	868.5	873.7	871.1
17.5°	863.3	847.7	845.1	847.7	852.9	860.7	868.5	876.3	889.3	889.3	889.3
20°	878.9	873.7	871.1	878.9	889.3	899.7	894.5	889.3	886.7	891.9	889.3
22.5°	907.5	902.3	904.9	912.7	912.7	907.5	899.7	881.5	876.3	881.5	876.3
25°	933.5	928.3	928.3	923.1	920.5	902.3	886.7	871.1	852.9	860.7	858.1
27.5°	959.5	956.9	956.9	936.1	910.1	878.9	858.1	839.9	829.5	842.5	834.7
30°	990.7	993.3	980.3	930.9	868.5	834.7	811.3	808.7	806.1	813.9	811.3
32.5°	1019.3	1021.9	1001.1	923.1	837.3	772.3	748.9	751.5	764.5	777.5	790.5
35°	1034.9	1047.9	1021.9	897.1	774.9	702.1	676.1	699.5	722.9	741.1	754.1
37.5°	1063.5	1097.4	1053.1	868.5	720.3	639.7	621.5	629.3	657.9	686.5	699.5
40°	1105.2	1144.2	1060.9	813.9	647.5	577.3	566.9	569.5	579.9	598.1	611.1
42.5°	1178.0	1219.6	1068.7	743.7	574.7	538.3	509.7	501.9	494.1	494.1	491.5
45°	1284.6	1323.6	1058.3	655.3	501.9	475.9	455.1	436.9	416.1	382.3	387.5
47.5°	1440.6	1471.8	1066.1	577.3	434.3	413.5	397.9	377.1	345.8	309.4	306.8
50°	1677.2	1630.4	1055.7	496.7	384.9	366.7	353.6	325.0	288.6	262.6	260.0
52.5°	1952.9	1859.3	1045.3	429.1	343.2	327.6	317.2	286.0	252.2	239.2	236.6
55°	2285.7	2150.5	1060.9	369.3	312.0	299.0	288.6	260.0	234.0	223.6	221.0
57.5°	2678.4	2465.1	1146.8	322.4	278.2	273.0	270.4	247.0	223.6	215.8	213.2
60°	3047.6	2766.8	1204.0	288.6	247.0	252.2	257.4	247.0	221.0	215.8	215.8
62.5°	3357.1	3016.4	1113.0	260.0	231.4	247.0	270.4	262.6	252.2	257.4	252.2
65°	3630.1	3102.2	832.1	244.4	223.6	260.0	299.0	296.4	273.0	278.2	275.6
67.5°	3676.9	2998.2	543.5	231.4	218.4	286.0	335.4	304.2	257.4	257.4	249.6
70°	3481.9	2720.0	364.0	218.4	215.8	286.0	343.2	286.0	241.8	241.8	231.4
72.5°	2857.8	2173.9	280.8	205.4	197.6	254.8	325.0	270.4	226.2	221.0	202.8
75°	1877.5	1401.6	228.8	195.0	171.6	223.6	293.8	249.6	215.8	200.2	192.4
77.5°	920.5	629.3	192.4	171.6	148.2	195.0	267.8	236.6	202.8	187.2	182.0
80°	252.2	226.2	161.2	150.8	124.8	169.0	252.2	226.2	189.8	174.2	166.4
82.5°	143.0	140.4	130.0	122.2	104.0	169.0	254.8	226.2	179.4	176.8	150.8
85°	78.0	83.2	93.6	91.0	80.6	150.8	241.8	197.6	145.6	122.2	122.2
87.5°	31.2	39.0	46.8	52.0	54.6	111.8	182.0	150.8	111.8	93.6	93.6
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)