

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: P674896

Luminaire Tested: **CCW-SA-2B-835-U-T2**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P674896
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2B-835-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @450mA w/
T2 distribution lens
Light Source: (32) 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

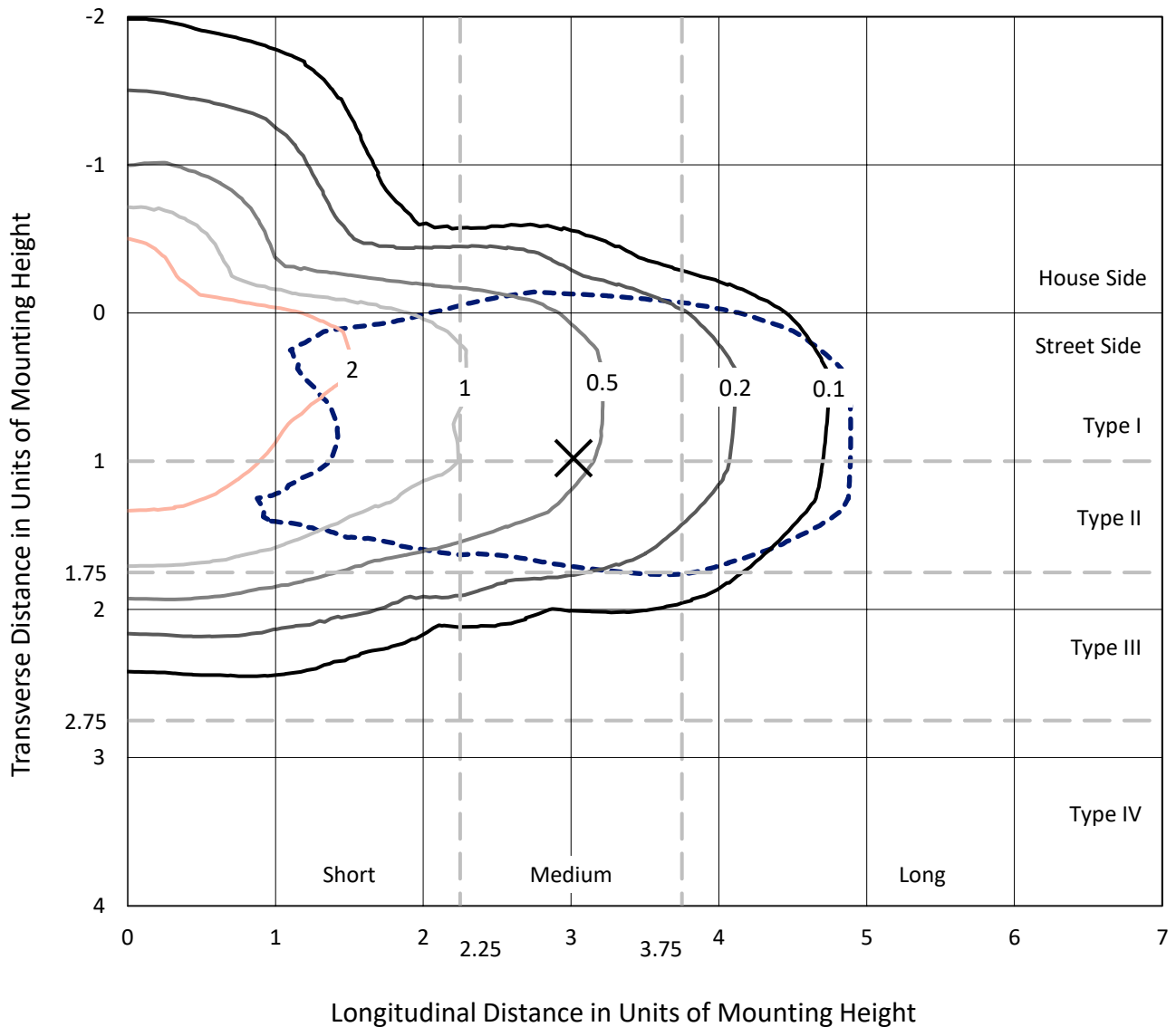
Lumens per Lamp: N/A
Luminaire Lumens: 5676.5 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

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

REPORT NUMBER: P674896
 CATALOG NUMBER: CCW-SA-2B-835-U-T2

Iso-Footcandle Lines of Horizontal Illumination

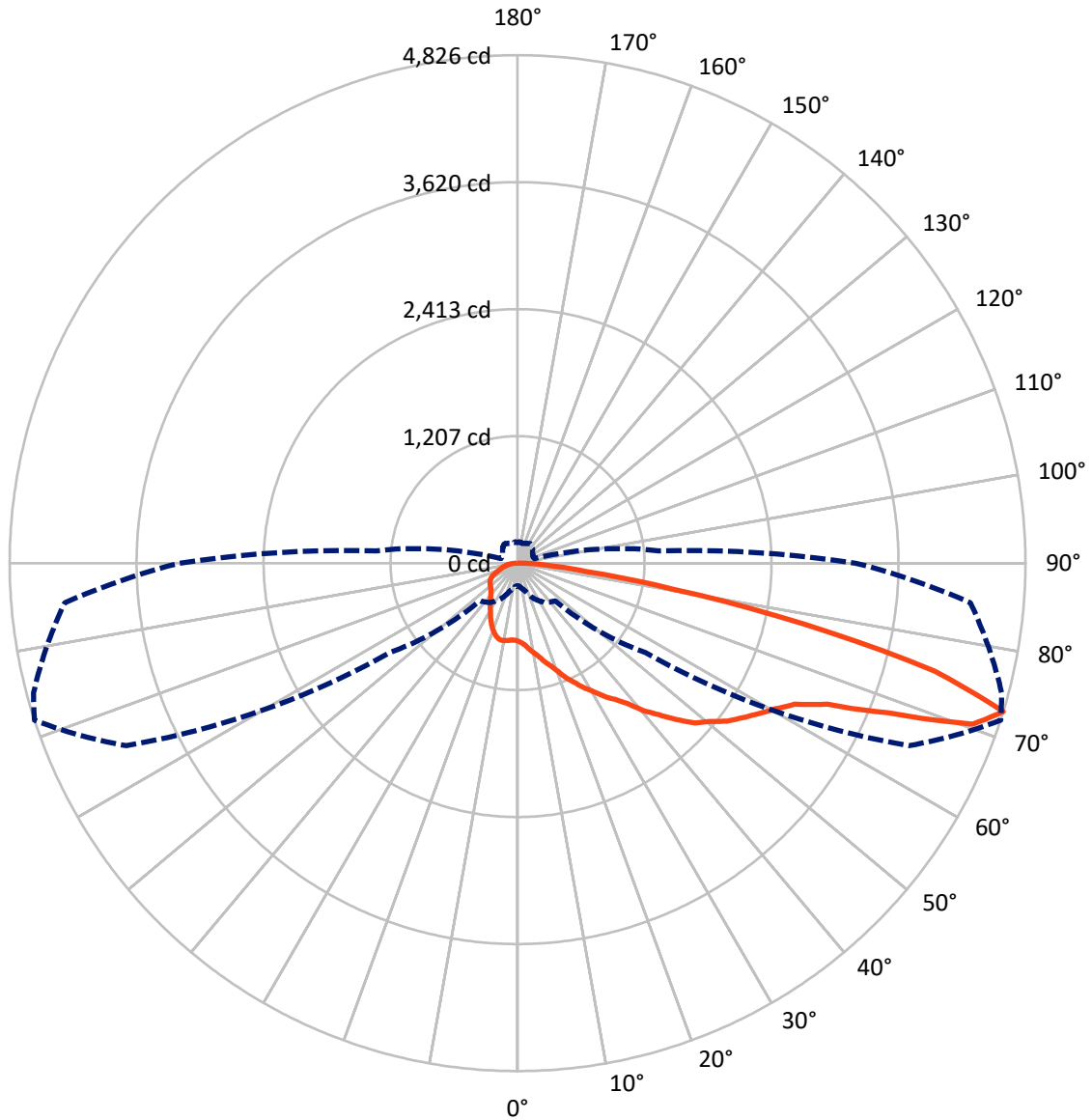
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.1 fc
 Type II - Medium - N/A

REPORT NUMBER: P674896
CATALOG NUMBER: CCW-SA-2B-835-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P674896
 CATALOG NUMBER: CCW-SA-2B-835-U-T2

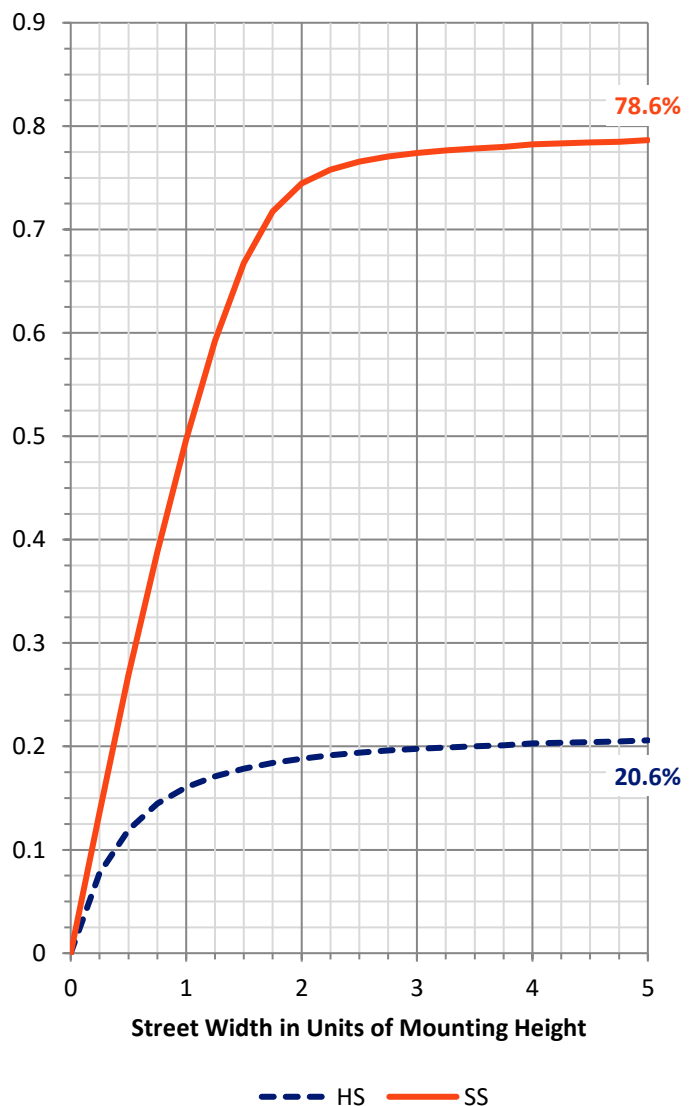
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1194.6	0.0	1194.6
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	4481.9	0.0	4481.9
	% Fixture	79.0	0.0	79.0
Total	Lumens	5676.5	0.0	5676.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.3	1.3
10°-20°	227.8	4.0
20°-30°	394.2	6.9
30°-40°	582.2	10.3
40°-50°	865.8	15.3
50°-60°	1187.0	20.9
60°-70°	1287.6	22.7
70°-80°	907.7	16.0
80°-90°	150.8	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°	5676.5	100.0
0°-180°	5676.5	100.0



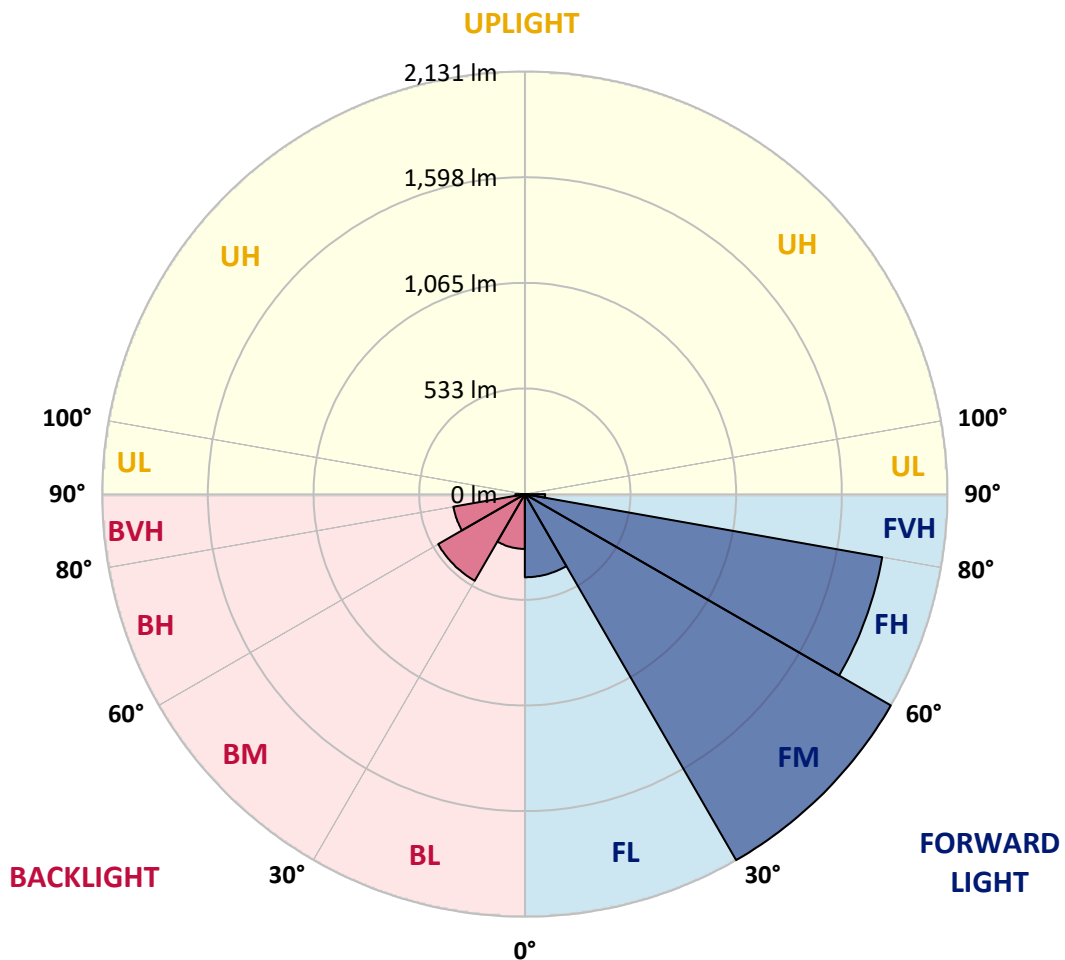
REPORT NUMBER: P674896
 CATALOG NUMBER: CCW-SA-2B-835-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	419.2	7.4			
FM (30°-60°)	2130.5	37.5			
FH (60°-80°)	1829.4	32.2			G2/5000
FVH (80°-90°)	102.8	1.8			G2/225
BL (0°-30°)	276.1	4.9	B1/500		
BM (30°-60°)	504.6	8.9	B1/1000		
BH (60°-80°)	365.9	6.4	B1/500		G1/500
BVH (80°-90°)	48.0	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-G2

Type II Medium





REPORT NUMBER: P674896

CATALOG NUMBER: CCW-SA-2B-835-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	741.5	741.5	741.5	741.5	741.5	741.5	741.5	741.5	741.5	741.5	741.5
2.5°	800.2	800.2	793.9	791.8	791.8	775.0	777.1	766.6	758.3	758.3	749.9
5°	842.1	837.9	837.9	837.9	827.4	821.1	819.0	800.2	785.5	787.6	762.5
7.5°	852.5	854.6	856.7	867.2	860.9	865.1	860.9	840.0	829.5	819.0	796.0
10°	858.8	863.0	863.0	877.7	877.7	888.1	894.4	886.0	867.2	856.7	819.0
12.5°	873.5	867.2	875.6	886.0	896.5	915.4	934.2	925.8	913.3	900.7	858.8
15°	873.5	875.6	881.9	898.6	915.4	934.2	967.7	980.3	974.0	951.0	907.0
17.5°	848.3	842.1	871.4	902.8	934.2	957.3	1001.2	1030.6	1026.4	1018.0	951.0
20°	850.4	856.7	867.2	894.4	944.7	986.6	1041.0	1089.2	1099.7	1095.5	1009.6
22.5°	888.1	890.2	900.7	913.3	953.1	1007.5	1089.2	1166.7	1185.6	1175.1	1074.6
25°	925.8	942.6	942.6	951.0	965.6	1022.2	1120.6	1229.6	1256.8	1258.9	1141.6
27.5°	986.6	990.8	1003.3	1007.5	1020.1	1053.6	1156.3	1275.6	1338.5	1330.1	1202.3
30°	1057.8	1059.9	1068.3	1064.1	1066.2	1108.1	1189.8	1328.0	1413.9	1416.0	1267.3
32.5°	1141.6	1158.3	1162.5	1135.3	1139.5	1150.0	1242.1	1390.9	1508.2	1493.5	1323.8
35°	1265.2	1271.5	1258.9	1246.3	1214.9	1208.6	1296.6	1453.7	1589.8	1606.6	1407.6
37.5°	1418.1	1434.8	1418.1	1351.1	1317.5	1292.4	1363.6	1522.8	1688.3	1744.9	1491.4
40°	1560.5	1558.4	1541.7	1480.9	1422.3	1403.4	1460.0	1619.2	1841.2	1895.7	1612.9
42.5°	1675.7	1669.4	1659.0	1612.9	1558.4	1527.0	1571.0	1719.7	1969.0	2073.7	1753.2
45°	1776.3	1767.9	1770.0	1717.6	1665.3	1682.0	1682.0	1834.9	2119.8	2249.7	1914.5
47.5°	1870.5	1874.7	1868.4	1828.6	1788.8	1832.8	1809.8	1966.9	2268.5	2413.1	2050.7
50°	1979.5	1987.8	1966.9	1941.8	1906.1	1950.1	1920.8	2090.5	2364.9	2561.8	2214.1
52.5°	2082.1	2090.5	2109.3	2077.9	2042.3	2077.9	2010.9	2205.7	2492.6	2706.3	2339.7
55°	2107.2	2103.0	2207.8	2241.3	2260.1	2153.3	2090.5	2304.1	2593.2	2798.5	2482.2
57.5°	1992.0	2002.5	2144.9	2241.3	2442.4	2350.2	2180.5	2419.3	2697.9	2920.0	2614.1
60°	1705.1	1711.3	1889.4	2117.7	2411.0	2534.5	2423.5	2568.1	2813.1	3022.6	2762.9
62.5°	1139.5	1187.7	1409.7	1767.9	2188.9	2584.8	2811.0	2819.4	2953.5	3152.5	2966.0
65°	601.2	624.2	798.1	1087.1	1659.0	2411.0	3175.5	3317.9	3234.2	3391.3	3259.3
67.5°	393.8	402.2	496.4	659.8	957.3	1759.5	3217.4	4183.0	3797.6	3845.8	3728.5
70°	293.3	297.4	366.6	488.1	592.8	940.5	2637.2	4587.3	4585.2	4457.4	4285.7
72.5°	215.8	222.0	270.2	372.8	456.6	506.9	1483.0	4103.4	4826.1	4761.2	4319.2
75°	169.7	173.9	199.0	289.1	368.7	333.1	752.0	3039.4	4093.0	4405.1	3952.6
77.5°	138.2	142.4	157.1	209.5	295.3	257.6	360.3	1960.6	2775.4	3171.3	3024.7
80°	115.2	115.2	125.7	148.7	228.3	194.8	213.7	1101.8	1495.6	1650.6	1372.0
82.5°	98.4	96.4	104.7	108.9	169.7	140.3	138.2	498.5	657.7	697.5	515.3
85°	62.8	64.9	98.4	94.3	111.0	96.4	77.5	236.7	310.0	316.3	192.7
87.5°	25.1	25.1	41.9	52.4	62.8	58.7	37.7	106.8	136.2	136.2	54.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P674896
 CATALOG NUMBER: CCW-SA-2B-835-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	741.5	741.5	741.5	741.5	741.5	741.5	741.5	741.5	741.5	741.5	741.5
2.5°	747.8	739.4	733.1	728.9	718.5	708.0	710.1	708.0	699.6	695.4	695.4
5°	756.2	747.8	737.3	720.6	710.1	697.5	701.7	693.3	685.0	691.2	680.8
7.5°	777.1	762.5	747.8	722.7	705.9	687.0	678.7	674.5	668.2	664.0	664.0
10°	806.4	785.5	758.3	720.6	693.3	664.0	659.8	651.4	645.2	645.2	643.1
12.5°	835.8	812.7	766.6	705.9	659.8	638.9	636.8	638.9	643.1	645.2	647.3
15°	873.5	835.8	764.6	678.7	632.6	624.2	634.7	643.1	651.4	659.8	657.7
17.5°	909.1	865.1	745.7	645.2	609.5	611.6	630.5	647.3	664.0	672.4	674.5
20°	957.3	892.3	718.5	605.4	586.5	605.4	630.5	651.4	670.3	680.8	682.9
22.5°	1011.7	923.7	682.9	569.7	567.7	586.5	611.6	643.1	664.0	682.9	680.8
25°	1059.9	944.7	636.8	540.4	544.6	557.2	586.5	620.0	641.0	661.9	655.6
27.5°	1091.3	948.9	588.6	519.5	519.5	532.0	559.3	580.2	599.1	615.8	617.9
30°	1126.9	940.5	534.1	492.2	492.2	509.0	519.5	532.0	542.5	546.7	550.9
32.5°	1168.8	921.7	500.6	471.3	471.3	483.9	490.2	486.0	483.9	473.4	479.7
35°	1208.6	894.4	462.9	444.1	452.4	458.7	456.6	444.1	431.5	412.6	406.4
37.5°	1256.8	867.2	429.4	414.7	429.4	431.5	431.5	416.8	400.1	377.0	377.0
40°	1330.1	846.2	402.2	395.9	410.6	408.5	398.0	387.5	393.8	381.2	381.2
42.5°	1407.6	837.9	377.0	379.1	385.4	387.5	377.0	364.5	389.6	374.9	377.0
45°	1504.0	844.1	360.3	358.2	372.8	370.8	364.5	354.0	362.4	324.7	314.2
47.5°	1594.0	856.7	351.9	343.5	360.3	364.5	356.1	333.1	320.5	297.4	293.3
50°	1675.7	883.9	343.5	326.8	343.5	351.9	337.2	312.1	297.4	282.8	282.8
52.5°	1753.2	923.7	339.3	307.9	322.6	333.1	324.7	299.5	282.8	276.5	270.2
55°	1832.8	959.4	333.1	295.3	299.5	320.5	318.4	284.9	268.1	268.1	266.0
57.5°	1945.9	1007.5	324.7	274.4	282.8	305.8	305.8	278.6	259.7	261.8	263.9
60°	2061.1	1064.1	316.3	253.5	259.7	291.2	295.3	270.2	253.5	255.5	253.5
62.5°	2245.5	1168.8	299.5	228.3	240.9	272.3	282.8	259.7	245.1	249.3	249.3
65°	2524.1	1349.0	263.9	207.4	222.0	255.5	270.2	249.3	232.5	245.1	240.9
67.5°	2972.3	1596.1	222.0	190.6	209.5	238.8	255.5	236.7	222.0	240.9	234.6
70°	3374.5	1717.6	190.6	176.0	190.6	219.9	238.8	224.1	209.5	228.3	219.9
72.5°	3211.1	1346.9	165.5	159.2	173.9	199.0	222.0	207.4	192.7	203.2	194.8
75°	2771.2	1072.5	144.5	142.4	155.0	180.1	203.2	192.7	178.0	182.2	178.0
77.5°	2100.9	886.0	123.6	121.5	132.0	161.3	182.2	173.9	159.2	157.1	157.1
80°	938.4	435.7	102.6	102.6	108.9	138.2	155.0	150.8	136.2	134.1	132.0
82.5°	307.9	165.5	83.8	79.6	88.0	115.2	138.2	134.1	119.4	115.2	111.0
85°	123.6	79.6	60.7	60.7	69.1	96.4	123.6	115.2	96.4	85.9	85.9
87.5°	41.9	33.5	31.4	31.4	44.0	64.9	92.2	77.5	69.1	60.7	62.8
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)