

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: P676411

Luminaire Tested: **CCW-SA-1E-735-U-T3-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676411  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-1E-735-U-T3-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/  
T3 distribution lens and House Side Shield  
Light Source: (16) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

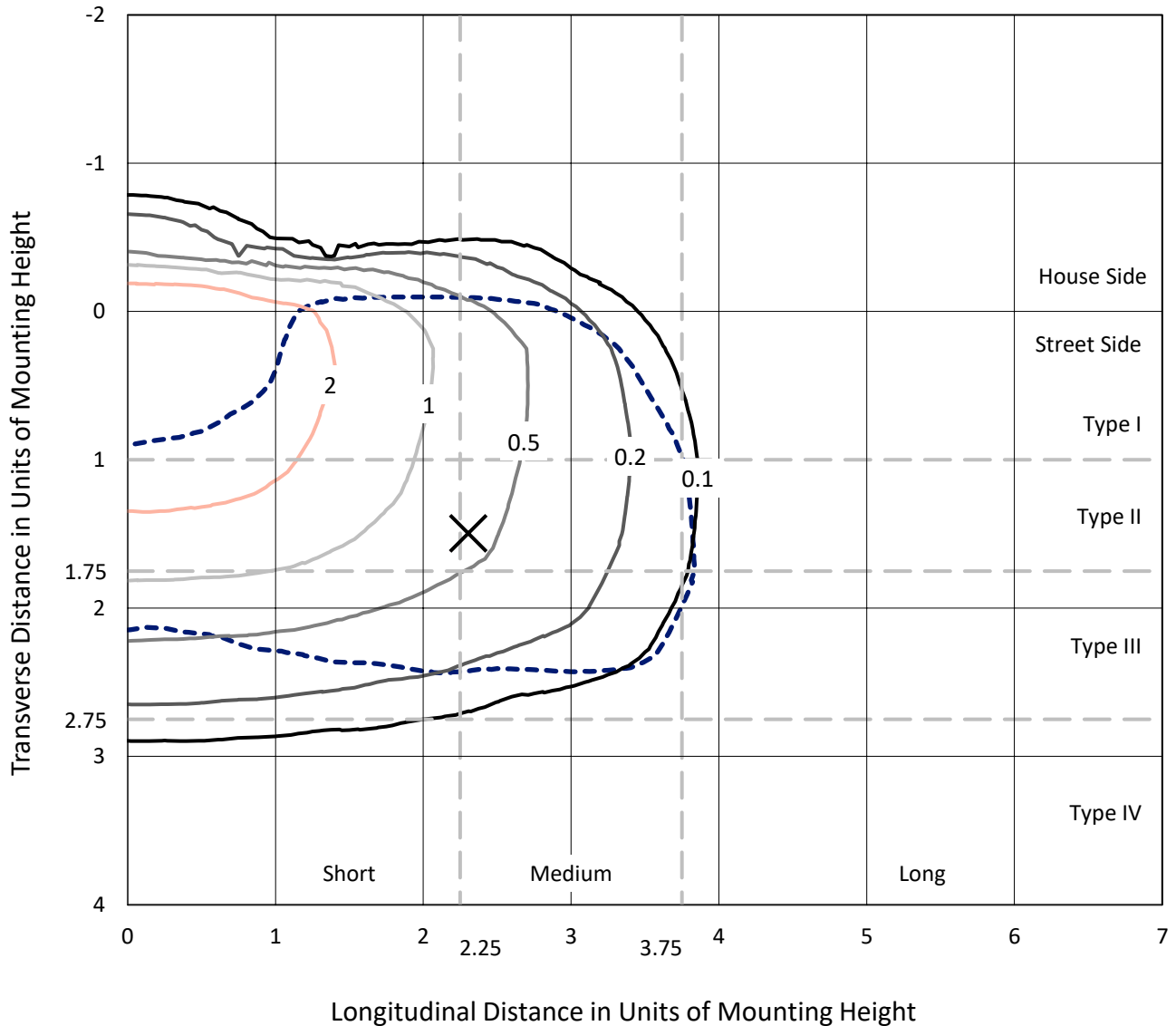
Lumens per Lamp: N/A  
Luminaire Lumens: 4858 lumens  
Efficiency: N/A  
Efficacy: 86.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1  
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: P676411  
 CATALOG NUMBER: CCW-SA-1E-735-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

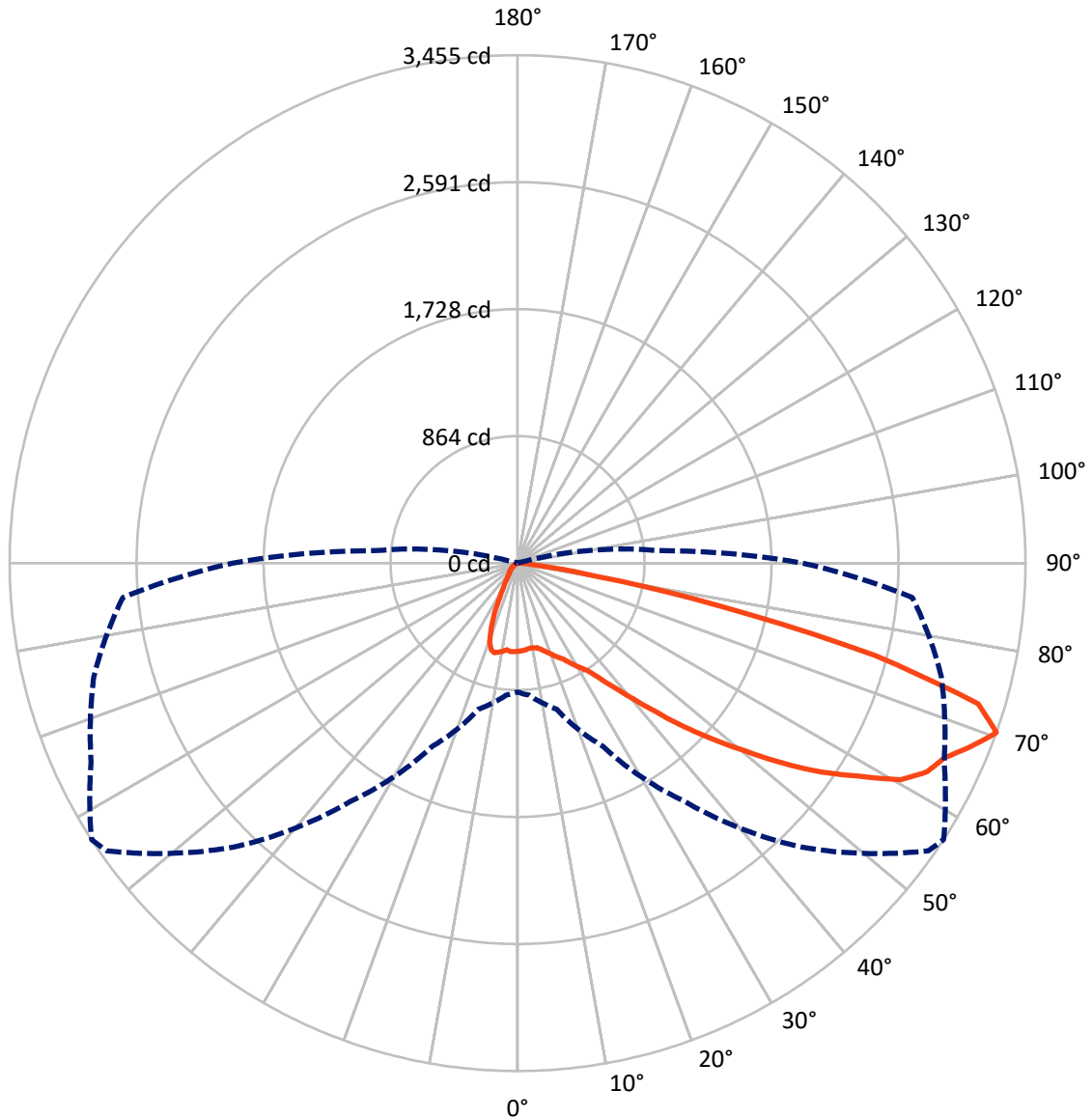
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 fc  
 Type III - Medium - N/A

REPORT NUMBER: P676411  
CATALOG NUMBER: CCW-SA-1E-735-U-T3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P676411  
 CATALOG NUMBER: CCW-SA-1E-735-U-T3-HSS

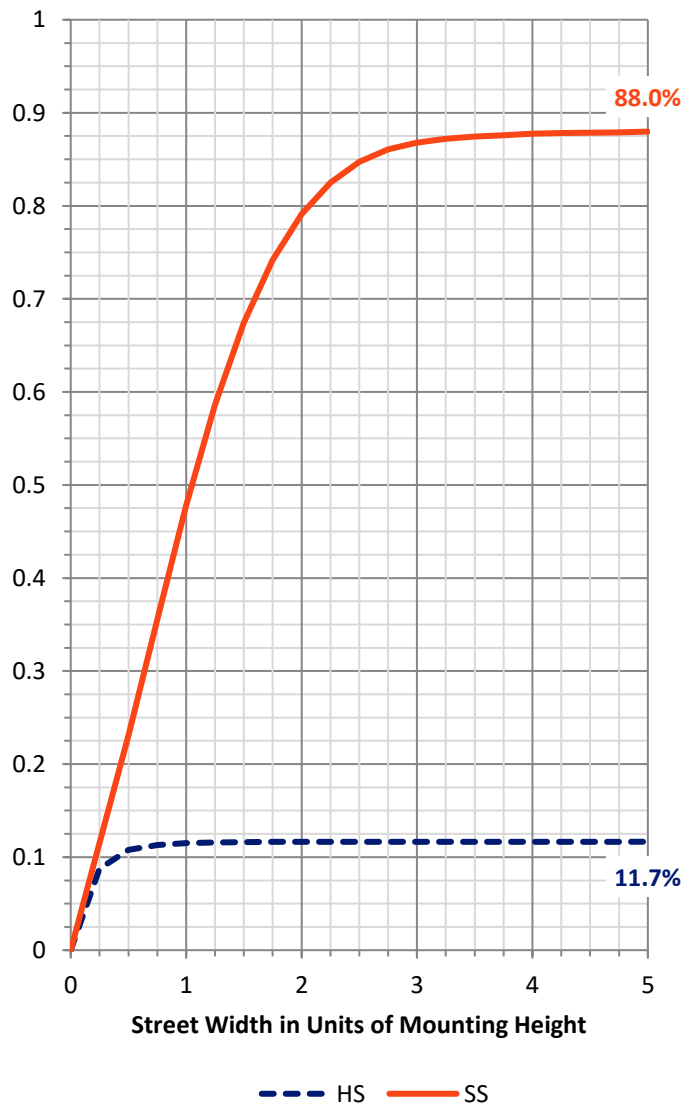
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	572.6	0.0	572.6
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	4285.4	0.0	4285.4
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	4858.0	0.0	4858.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.0	1.2
10°-20°	156.6	3.2
20°-30°	263.8	5.4
30°-40°	451.5	9.3
40°-50°	758.1	15.6
50°-60°	1163.7	24.0
60°-70°	1343.5	27.7
70°-80°	634.6	13.1
80°-90°	30.1	0.6
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°	4858.0	100.0
0°-180°	4858.0	100.0



REPORT NUMBER: P676411

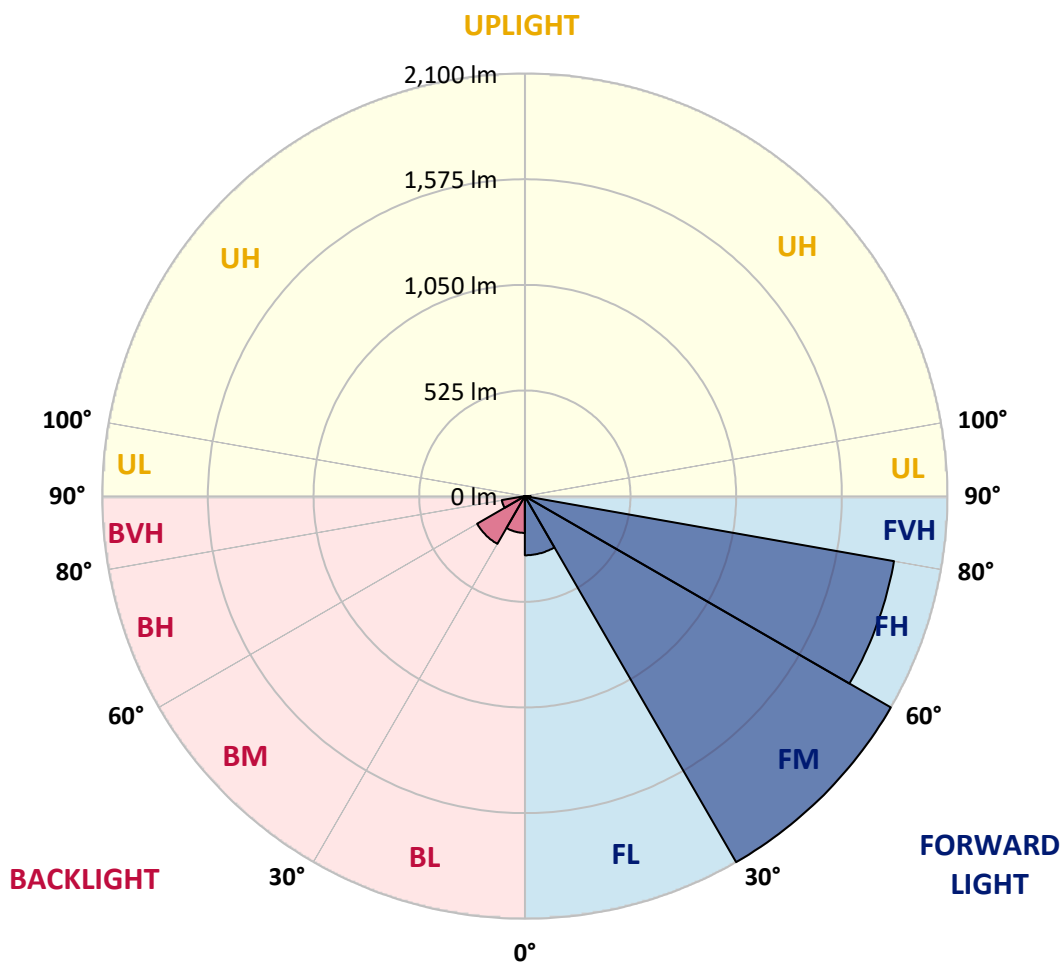
CATALOG NUMBER: CCW-SA-1E-735-U-T3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	293.9	6.0			
FM (30°-60°)	2099.6	43.2			
FH (60°-80°)	1862.3	38.3			G2/5000
FVH (80°-90°)	29.6	0.6			G1/100
BL (0°-30°)	182.6	3.8	B1/500		
BM (30°-60°)	273.7	5.6	B1/1000		
BH (60°-80°)	115.8	2.4	B1/500		G1/500
BVH (80°-90°)	0.5	0.0			G0/10
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





REPORT NUMBER: P676411  
 CATALOG NUMBER: CCW-SA-1E-735-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	599.4	599.4	599.4	599.4	599.4	599.4	599.4	599.4	599.4	599.4	599.4
2.5°	590.7	587.0	590.7	595.7	590.7	594.4	593.2	596.9	592.0	592.0	595.7
5°	552.3	558.5	560.9	567.1	573.4	584.5	592.0	592.0	599.4	603.1	608.1
7.5°	538.6	528.7	538.6	543.6	549.8	568.4	579.6	584.5	594.4	608.1	615.5
10°	518.7	526.2	526.2	542.3	551.0	562.2	582.0	585.8	608.1	621.8	629.2
12.5°	517.5	517.5	523.7	534.9	552.3	573.4	598.2	590.7	614.3	639.1	651.5
15°	521.2	529.9	529.9	544.8	558.5	588.2	609.3	610.6	644.1	668.9	680.1
17.5°	537.4	533.6	538.6	547.3	568.4	596.9	631.7	635.4	673.9	707.4	723.5
20°	570.9	577.1	569.6	564.7	573.4	610.6	655.3	662.7	706.1	738.4	754.5
22.5°	696.2	691.2	661.5	626.7	611.8	629.2	677.6	695.0	745.9	784.3	798.0
25°	837.7	829.0	794.3	742.1	673.9	666.4	722.3	722.3	795.5	837.7	834.0
27.5°	971.7	969.2	928.3	873.7	776.9	723.5	758.3	771.9	851.3	886.1	870.0
30°	1108.2	1110.7	1073.5	1007.7	905.9	815.4	809.1	820.3	893.5	948.1	914.6
32.5°	1267.1	1244.7	1218.7	1128.1	1035.0	933.2	874.9	870.0	940.7	990.3	945.7
35°	1408.6	1394.9	1366.4	1284.5	1177.7	1056.1	974.2	961.8	1000.3	1066.0	1017.6
37.5°	1532.7	1519.0	1481.8	1427.2	1344.0	1208.8	1093.3	1074.7	1090.9	1160.4	1102.0
40°	1639.4	1643.1	1633.2	1579.8	1502.9	1380.0	1247.2	1217.4	1203.8	1265.8	1200.1
42.5°	1716.3	1752.3	1754.8	1689.0	1627.0	1560.0	1411.0	1387.5	1355.2	1407.3	1361.4
45°	1877.7	1857.8	1870.2	1846.6	1778.4	1768.5	1599.7	1586.0	1541.3	1558.7	1510.3
47.5°	2004.2	2000.5	2024.1	1985.6	1967.0	1968.3	1814.4	1790.8	1727.5	1759.8	1705.2
50°	2077.5	2057.6	2143.2	2173.0	2169.3	2184.2	2031.6	2011.7	1950.9	1998.0	1881.4
52.5°	2094.8	2130.8	2211.5	2319.5	2365.4	2396.4	2268.6	2261.1	2195.4	2225.2	2063.8
55°	2138.3	2173.0	2220.2	2397.7	2567.7	2575.1	2501.9	2509.3	2451.0	2443.6	2237.6
57.5°	2137.0	2129.6	2259.9	2465.9	2701.7	2808.4	2768.7	2732.7	2669.4	2596.2	2349.3
60°	2058.9	2055.1	2190.4	2474.6	2774.9	3019.4	3035.5	2993.3	2834.5	2726.5	2480.8
62.5°	1903.7	1918.6	2055.1	2400.1	2844.4	3095.1	3154.7	3126.1	2928.8	2813.4	2635.9
65°	1726.3	1695.2	1854.1	2214.0	2688.1	3072.8	3201.8	3191.9	3040.5	2907.7	2778.6
67.5°	1385.0	1398.6	1520.3	1905.0	2421.2	2990.9	3312.3	3327.2	3129.9	2990.9	2822.1
70°	877.4	902.2	1028.8	1376.3	1976.9	2732.7	3411.6	3455.0	3200.6	2983.4	2695.5
72.5°	255.7	265.6	438.1	686.3	1259.6	2191.6	3252.7	3275.1	3062.8	2707.9	2084.9
75°	84.4	89.4	129.1	223.4	493.9	1133.1	2402.6	2508.1	2437.4	1963.3	1192.6
77.5°	55.8	58.3	70.7	106.7	187.4	354.9	1288.2	1401.1	1373.8	919.6	384.7
80°	41.0	42.2	52.1	72.0	114.2	127.8	475.3	549.8	531.2	211.0	76.9
82.5°	26.1	26.1	38.5	50.9	72.0	63.3	137.8	152.6	148.9	80.7	29.8
85°	17.4	18.6	28.5	39.7	39.7	29.8	39.7	45.9	49.6	43.4	13.7
87.5°	5.0	6.2	16.1	27.3	16.1	14.9	13.7	14.9	17.4	23.6	7.4
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: P676411  
 CATALOG NUMBER: CCW-SA-1E-735-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	599.4	599.4	599.4	599.4	599.4	599.4	599.4	599.4	599.4	599.4	599.4
2.5°	599.4	604.4	603.1	605.6	601.9	598.2	601.9	601.9	601.9	598.2	595.7
5°	604.4	601.9	604.4	599.4	604.4	599.4	596.9	589.5	588.2	588.2	593.2
7.5°	611.8	614.3	603.1	603.1	592.0	594.4	588.2	589.5	587.0	583.3	580.8
10°	623.0	632.9	621.8	618.0	605.6	595.7	580.8	573.4	573.4	568.4	573.4
12.5°	654.0	650.3	644.1	631.7	616.8	596.9	560.9	525.0	495.2	472.8	484.0
15°	678.8	677.6	668.9	645.3	625.5	564.7	474.1	381.0	331.4	309.0	305.3
17.5°	717.3	713.6	698.7	667.7	601.9	467.9	325.1	247.0	198.6	187.4	183.7
20°	753.3	752.1	719.8	680.1	542.3	341.3	212.2	162.6	148.9	150.2	147.7
22.5°	791.8	785.6	747.1	665.2	431.9	227.1	151.4	145.2	140.2	139.0	141.5
25°	835.2	812.9	774.4	631.7	317.7	156.4	142.7	137.8	132.8	131.5	131.5
27.5°	852.6	837.7	786.8	551.0	201.0	136.5	134.0	127.8	121.6	117.9	116.7
30°	892.3	867.5	799.2	433.1	142.7	125.3	121.6	114.2	105.5	99.3	99.3
32.5°	932.0	902.2	800.5	302.8	119.1	112.9	106.7	96.8	85.6	79.4	80.7
35°	981.6	940.7	786.8	196.1	106.7	99.3	86.9	75.7	65.8	60.8	60.8
37.5°	1066.0	1027.6	731.0	129.1	96.8	84.4	72.0	59.6	50.9	47.2	47.2
40°	1172.8	1123.1	654.0	101.8	85.6	72.0	57.1	45.9	41.0	37.2	37.2
42.5°	1300.6	1238.5	539.8	90.6	75.7	59.6	44.7	36.0	31.0	31.0	29.8
45°	1428.4	1326.7	423.2	83.1	67.0	49.6	34.7	28.5	26.1	24.8	24.8
47.5°	1610.8	1433.4	302.8	75.7	58.3	38.5	28.5	23.6	21.1	19.9	21.1
50°	1785.8	1533.9	214.7	68.3	48.4	31.0	23.6	21.1	18.6	17.4	17.4
52.5°	1939.7	1603.4	150.2	59.6	41.0	26.1	21.1	18.6	17.4	16.1	16.1
55°	2024.1	1579.8	103.0	50.9	33.5	22.3	18.6	16.1	14.9	13.7	13.7
57.5°	2111.0	1514.0	78.2	42.2	27.3	21.1	17.4	14.9	13.7	12.4	12.4
60°	2184.2	1465.6	60.8	33.5	22.3	17.4	14.9	12.4	11.2	9.9	8.7
62.5°	2187.9	1368.8	44.7	24.8	17.4	14.9	12.4	9.9	6.2	5.0	3.7
65°	2202.8	1267.1	32.3	18.6	12.4	11.2	8.7	5.0	2.5	0.0	0.0
67.5°	2150.7	1146.7	26.1	13.7	8.7	6.2	3.7	1.2	0.0	0.0	0.0
70°	1938.5	968.0	19.9	9.9	6.2	3.7	1.2	0.0	0.0	0.0	0.0
72.5°	1387.5	629.2	13.7	7.4	2.5	1.2	0.0	0.0	0.0	0.0	0.0
75°	739.6	268.1	9.9	5.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	232.1	68.3	6.2	2.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0
80°	50.9	18.6	3.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	17.4	7.4	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	6.2	2.5	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.5	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)