

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: P676558

Luminaire Tested: **CCW-SA-2B-735-U-T4FT-HSS**

Issue Date: 04/25/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P676558  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/25/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCW-SA-2B-735-U-T4FT-HSS  
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @450mA w/  
T4FT distribution lens and House Side Shield  
Light Source: (32) 3500K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

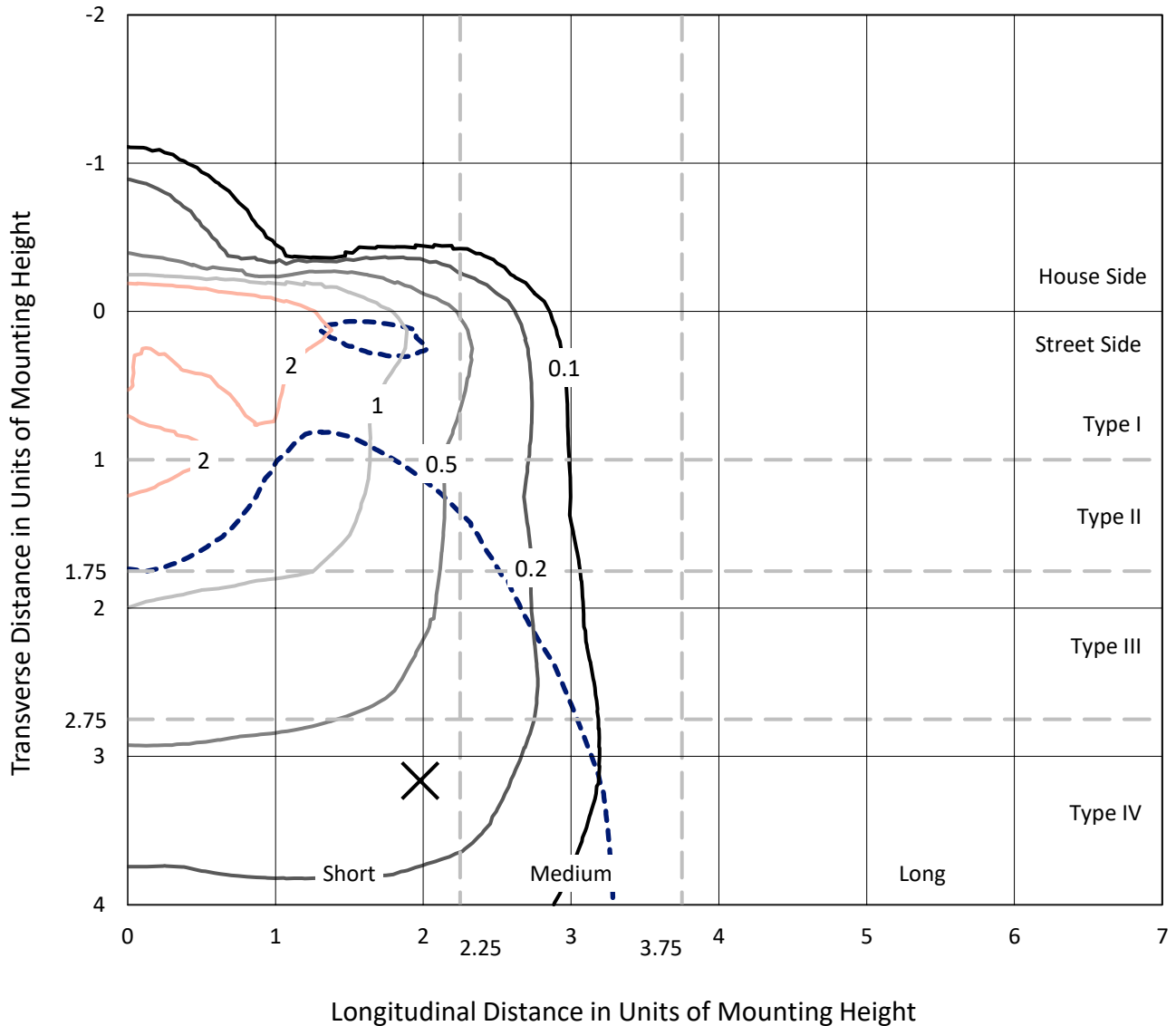
Lumens per Lamp: N/A  
Luminaire Lumens: 4891.1 lumens  
Efficiency: N/A  
Efficacy: 106.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

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: P676558  
 CATALOG NUMBER: CCW-SA-2B-735-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

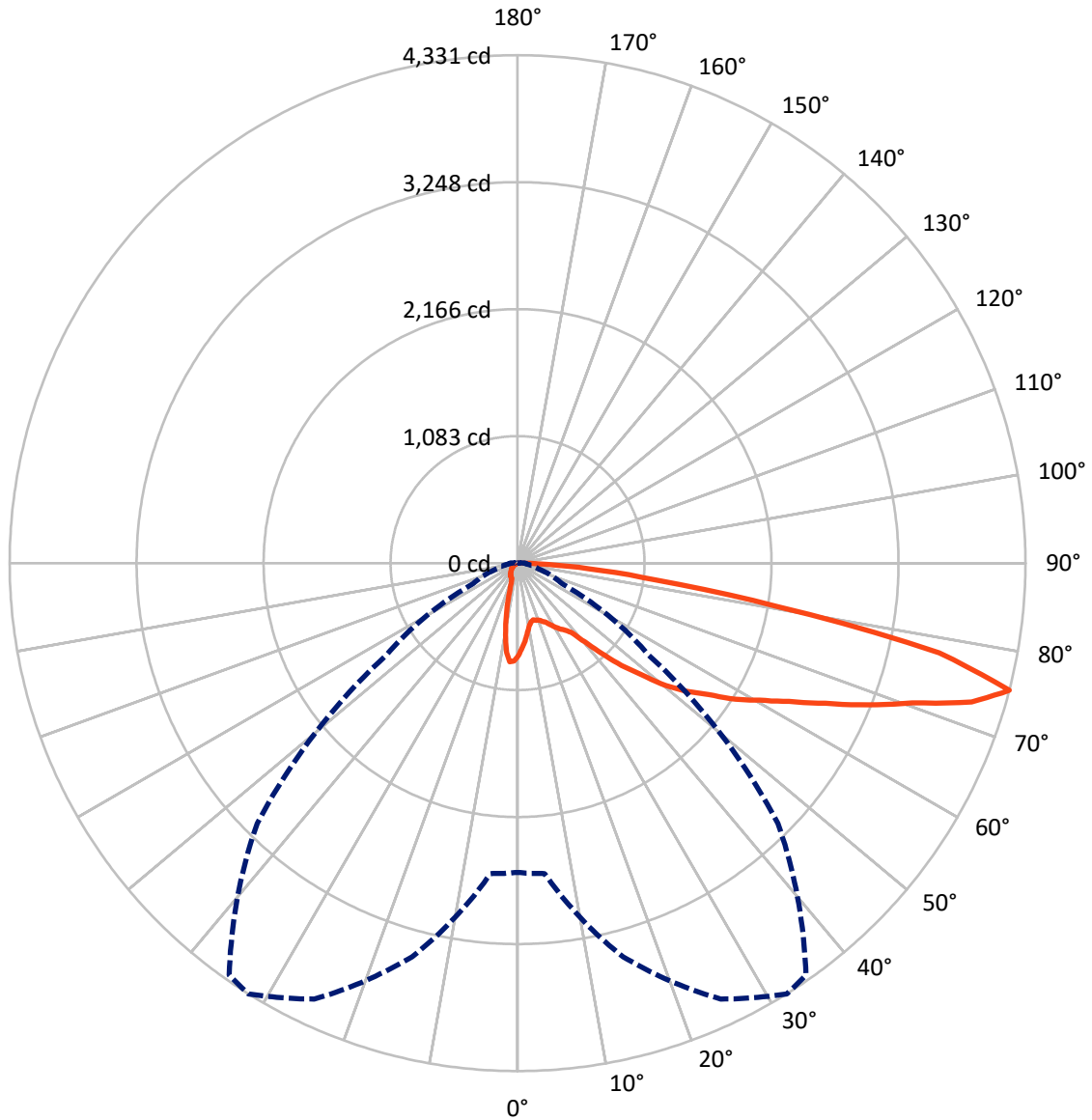
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.5 fc  
 Type IV - Short - N/A

REPORT NUMBER: P676558  
CATALOG NUMBER: CCW-SA-2B-735-U-T4FT-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 32-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P676558  
 CATALOG NUMBER: CCW-SA-2B-735-U-T4FT-HSS

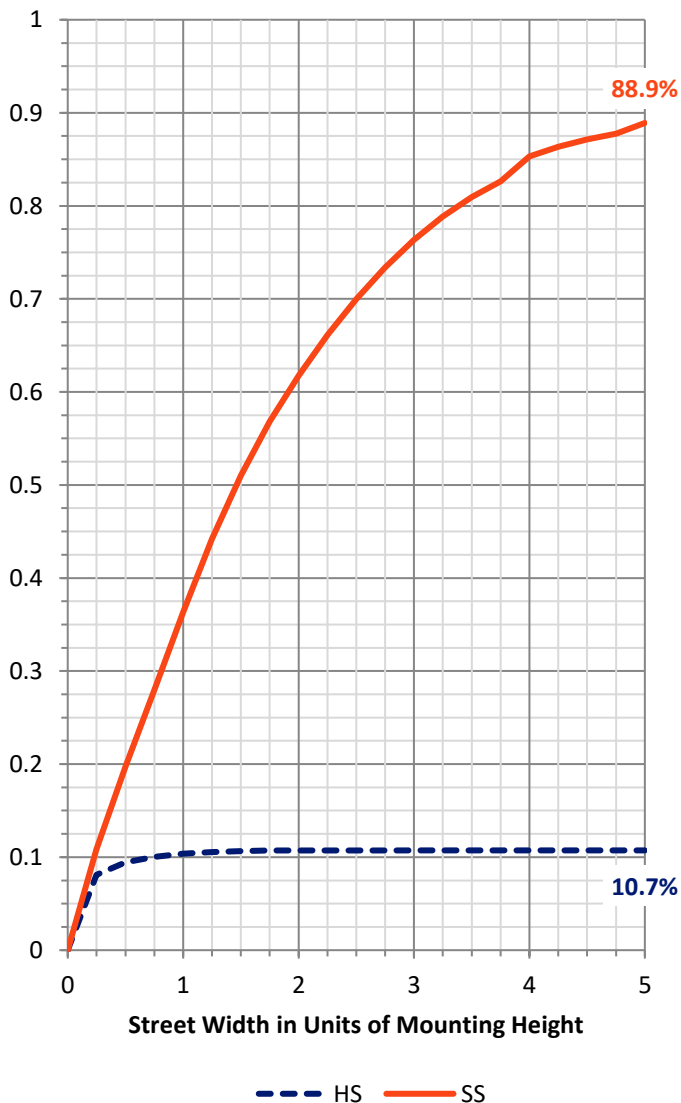
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	528.4	0.0	528.4
	% Fixture	10.8	0.0	10.8
<b>Street Side</b>	Lumens	4362.7	0.0	4362.7
	% Fixture	89.2	0.0	89.2
<b>Total</b>	Lumens	4891.1	0.0	4891.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.4	1.4
10°-20°	157.6	3.2
20°-30°	235.9	4.8
30°-40°	362.1	7.4
40°-50°	633.3	12.9
50°-60°	989.9	20.2
60°-70°	1279.8	26.2
70°-80°	1042.4	21.3
80°-90°	120.7	2.5
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°	4891.1	100.0
0°-180°	4891.1	100.0



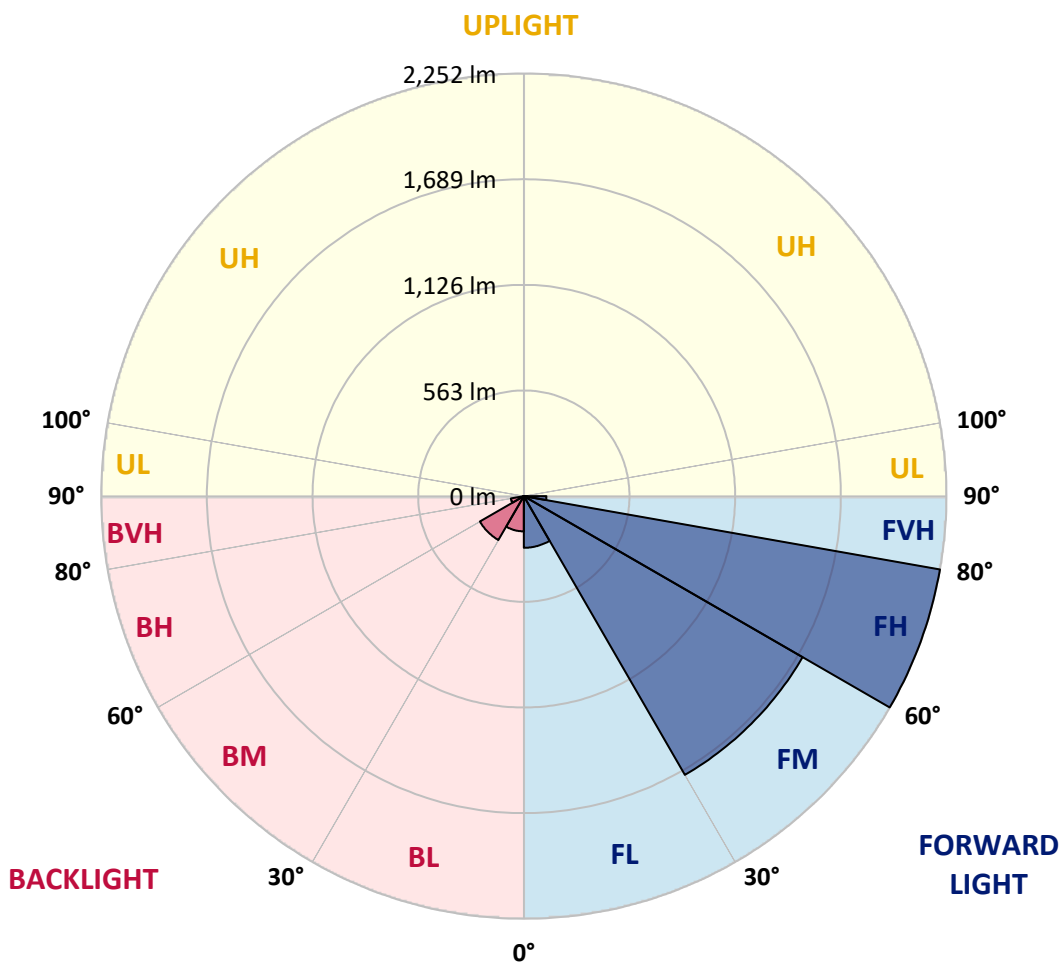
REPORT NUMBER: P676558  
 CATALOG NUMBER: CCW-SA-2B-735-U-T4FT-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	275.2	5.6			
FM (30°-60°)	1715.0	35.1			
FH (60°-80°)	2251.9	46.0			G2/5000
FVH (80°-90°)	120.6	2.5			G2/225
BL (0°-30°)	187.7	3.8	B1/500		
BM (30°-60°)	270.3	5.5	B1/1000		
BH (60°-80°)	70.3	1.4	B0/110		G0/110
BVH (80°-90°)	0.1	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 IV Short





REPORT NUMBER: P676558

CATALOG NUMBER: CCW-SA-2B-735-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	789.8	789.8	789.8	789.8	789.8	789.8	789.8	789.8	789.8	789.8	789.8
2.5°	708.3	718.3	717.0	723.3	724.6	728.3	737.1	737.1	762.2	779.7	791.0
5°	644.3	638.1	640.6	648.1	666.9	665.6	687.0	698.2	728.3	753.4	779.7
7.5°	565.4	564.1	569.1	586.7	600.5	611.7	634.3	663.1	703.3	740.9	787.2
10°	515.2	512.7	522.7	527.8	544.1	551.6	586.7	631.8	679.4	733.3	787.2
12.5°	503.9	495.2	500.2	498.9	514.0	517.7	551.6	606.7	664.4	730.8	797.3
15°	510.2	503.9	498.9	498.9	502.7	505.2	541.5	590.4	655.6	734.6	819.8
17.5°	530.3	526.5	511.5	496.4	512.7	512.7	535.3	586.7	656.9	745.9	847.4
20°	554.1	550.3	524.0	506.4	517.7	530.3	554.1	595.4	660.6	754.7	890.0
22.5°	580.4	580.4	544.1	524.0	539.0	540.3	582.9	623.0	675.7	777.2	917.6
25°	613.0	610.5	575.4	552.8	557.8	571.6	610.5	653.1	703.3	808.6	969.0
27.5°	655.6	651.9	610.5	587.9	594.2	609.2	653.1	695.7	728.3	821.1	1012.9
30°	690.7	687.0	653.1	619.3	633.1	646.8	698.2	735.8	759.7	844.9	1063.0
32.5°	698.2	692.0	669.4	654.4	669.4	695.7	735.8	774.7	811.1	905.1	1158.3
35°	784.7	762.2	703.3	679.4	702.0	710.8	777.2	846.2	881.3	952.7	1264.9
37.5°	950.2	928.9	851.2	784.7	753.4	763.4	849.9	935.2	969.0	1041.7	1381.4
40°	1153.3	1118.2	1035.5	946.4	882.5	870.0	926.4	1051.7	1084.3	1153.3	1534.4
42.5°	1385.2	1351.4	1223.5	1118.2	1053.0	1036.7	1045.5	1187.1	1214.7	1256.1	1634.7
45°	1551.9	1534.4	1390.2	1296.2	1244.8	1227.2	1205.9	1335.1	1370.2	1383.9	1780.1
47.5°	1648.5	1635.9	1555.7	1491.8	1422.8	1404.0	1417.8	1540.6	1516.8	1528.1	1919.2
50°	1777.6	1745.0	1635.9	1656.0	1642.2	1637.2	1661.0	1714.9	1679.8	1647.2	2070.9
52.5°	1881.6	1824.0	1747.5	1796.4	1817.7	1836.5	1920.5	1960.6	1803.9	1753.8	2168.7
55°	1945.5	1890.4	1910.4	1955.6	1978.1	2064.6	2163.7	2133.6	1885.4	1839.0	2299.1
57.5°	2003.2	2007.0	2060.9	2074.7	2190.0	2205.0	2395.6	2297.8	1943.0	1916.7	2350.5
60°	2142.4	2128.6	2172.4	2261.4	2371.8	2455.8	2637.5	2408.1	1971.9	1956.8	2336.7
62.5°	2393.1	2307.8	2322.9	2435.7	2597.4	2688.9	2776.7	2458.3	1964.4	1963.1	2295.3
65°	2711.5	2613.7	2568.6	2673.9	2883.2	3012.3	2933.4	2514.7	1914.2	1949.3	2141.1
67.5°	2976.0	2977.2	2893.2	2952.2	3225.4	3253.0	3081.3	2503.4	1830.2	1840.2	1765.0
70°	3280.6	3322.0	3248.0	3432.3	3568.9	3586.5	3250.5	2410.6	1649.7	1387.7	1014.1
72.5°	3358.3	3379.6	3610.3	3893.6	4047.8	4052.8	3417.2	2101.0	1085.6	613.0	314.6
75°	2637.5	2657.6	3474.9	4101.7	4331.1	4287.2	3139.0	1363.9	422.5	179.3	75.2
77.5°	1471.7	1478.0	2157.4	3315.7	3674.2	3497.5	2198.8	531.5	170.5	102.8	35.1
80°	402.4	472.6	799.8	1634.7	2243.9	2202.5	1046.7	173.0	110.3	80.2	16.3
82.5°	96.5	104.0	257.0	723.3	1185.9	1237.3	312.1	87.8	76.5	66.4	8.8
85°	35.1	38.9	79.0	352.3	609.2	559.1	94.0	43.9	56.4	51.4	3.8
87.5°	12.5	12.5	25.1	115.3	178.0	134.1	31.3	15.0	28.8	31.3	1.3
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: P676558

CATALOG NUMBER: CCW-SA-2B-735-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	789.8	789.8	789.8	789.8	789.8	789.8	789.8	789.8	789.8	789.8	789.8
2.5°	792.3	792.3	809.8	824.9	829.9	836.1	829.9	843.7	842.4	836.1	838.6
5°	793.5	816.1	831.1	841.1	846.2	844.9	847.4	832.4	823.6	817.3	811.1
7.5°	799.8	821.1	848.7	846.2	832.4	803.5	781.0	740.9	702.0	700.7	694.5
10°	821.1	839.9	856.2	846.2	796.0	708.3	636.8	582.9	534.0	511.5	514.0
12.5°	836.1	871.2	863.7	812.3	708.3	592.9	487.6	408.7	364.8	323.4	323.4
15°	867.5	880.0	877.5	763.4	600.5	462.6	334.7	254.5	208.1	189.3	186.8
17.5°	897.6	911.3	868.7	689.5	493.9	310.9	203.1	158.0	151.7	149.2	150.4
20°	935.2	936.4	861.2	615.5	371.1	196.8	145.4	141.7	142.9	141.7	141.7
22.5°	975.3	984.1	834.9	511.5	247.0	142.9	135.4	136.6	136.6	136.6	140.4
25°	1027.9	1014.1	793.5	412.4	161.7	131.6	131.6	132.9	132.9	132.9	134.1
27.5°	1063.0	1044.2	740.9	297.1	126.6	124.1	126.6	126.6	129.1	129.1	129.1
30°	1135.7	1086.8	674.4	191.8	114.1	117.8	120.3	122.9	124.1	126.6	127.9
32.5°	1192.1	1124.5	591.7	127.9	104.0	106.6	112.8	117.8	122.9	121.6	121.6
35°	1294.9	1185.9	515.2	101.5	95.3	95.3	101.5	110.3	117.8	120.3	120.3
37.5°	1412.8	1236.0	408.7	92.8	87.8	87.8	91.5	101.5	111.6	116.6	114.1
40°	1510.6	1293.7	302.1	86.5	81.5	81.5	84.0	91.5	102.8	111.6	112.8
42.5°	1579.5	1336.3	204.3	80.2	76.5	75.2	79.0	82.7	91.5	104.0	106.6
45°	1642.2	1358.9	126.6	74.0	71.5	71.5	71.5	75.2	81.5	92.8	95.3
47.5°	1753.8	1383.9	91.5	68.9	65.2	66.4	67.7	68.9	74.0	76.5	77.7
50°	1847.8	1402.7	75.2	63.9	61.4	62.7	62.7	62.7	65.2	61.4	61.4
52.5°	1919.2	1383.9	63.9	58.9	56.4	57.7	56.4	56.4	53.9	48.9	48.9
55°	1971.9	1350.1	51.4	53.9	53.9	53.9	51.4	47.6	42.6	38.9	38.9
57.5°	1985.7	1292.4	40.1	45.1	48.9	48.9	43.9	38.9	32.6	28.8	27.6
60°	1964.4	1167.1	30.1	32.6	37.6	38.9	35.1	28.8	22.6	18.8	18.8
62.5°	1887.9	1068.0	23.8	21.3	27.6	28.8	25.1	18.8	12.5	8.8	7.5
65°	1742.5	915.1	17.6	15.0	18.8	20.1	16.3	8.8	3.8	1.3	0.0
67.5°	1397.7	689.5	11.3	10.0	12.5	12.5	7.5	2.5	0.0	0.0	0.0
70°	773.5	387.4	7.5	5.0	6.3	3.8	1.3	0.0	0.0	0.0	0.0
72.5°	223.1	110.3	3.8	2.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0
75°	60.2	26.3	2.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	26.3	10.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	11.3	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	6.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.3	0.0	0.0	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)