

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: P673421

Luminaire Tested: **CCP-SA-1E-750-U-T4FT-HSS**

Issue Date: 04/16/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P673421  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 04/16/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: CCP-SA-1E-750-U-T4FT-HSS  
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T4FT distribution lens and House Side Shield  
Light Source: (16) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

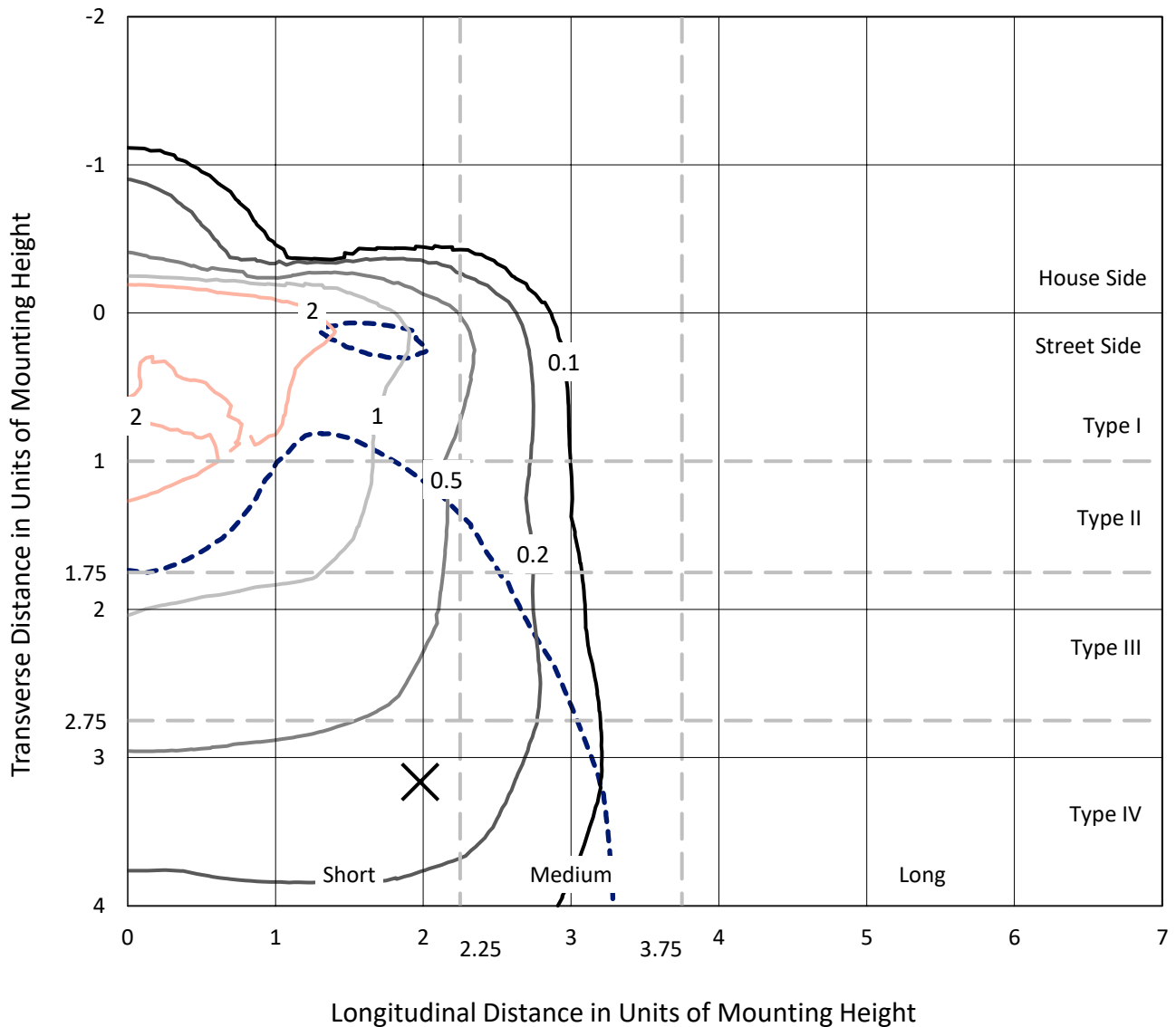
Lumens per Lamp: N/A  
Luminaire Lumens: 5021.7 lumens  
Efficiency: N/A  
Efficacy: 89.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 56.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P673421  
 CATALOG NUMBER: CCP-SA-1E-750-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

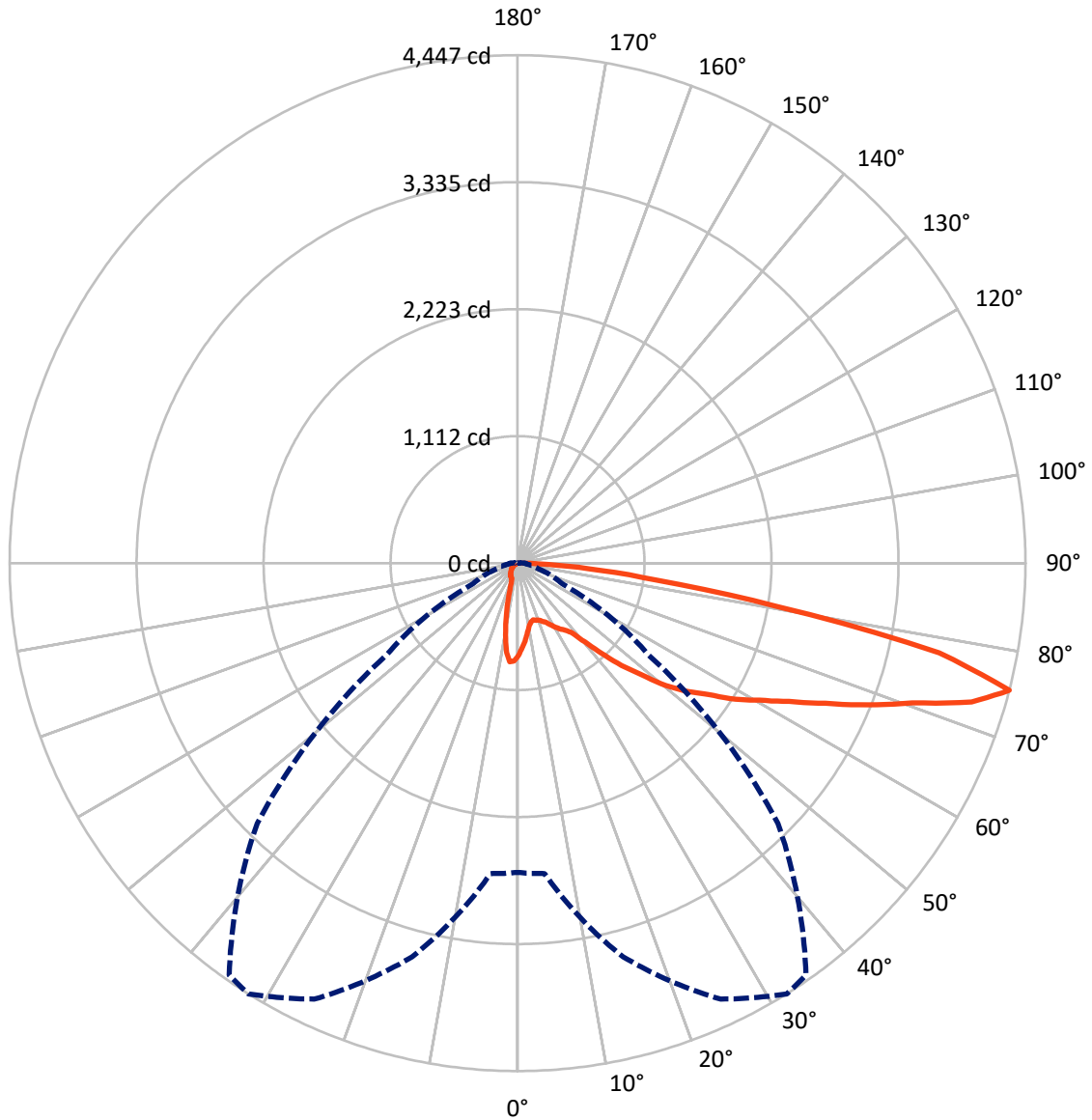
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.6 fc  
 Type IV - Short - N/A

REPORT NUMBER: P673421  
CATALOG NUMBER: CCP-SA-1E-750-U-T4FT-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P673421  
 CATALOG NUMBER: CCP-SA-1E-750-U-T4FT-HSS

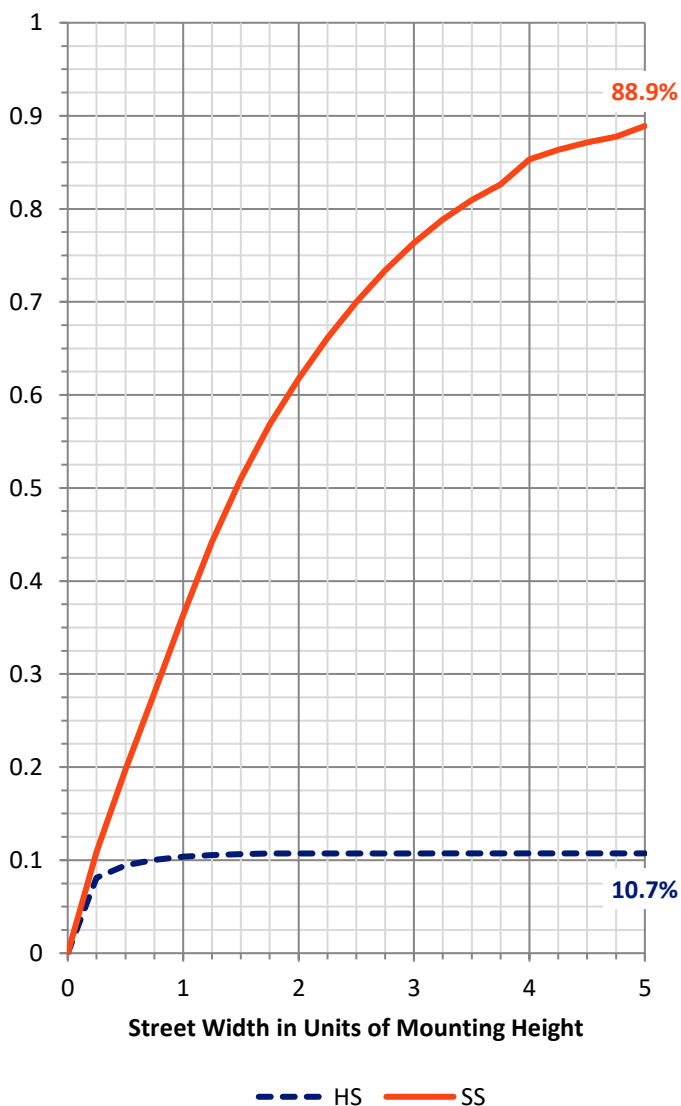
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	542.5	0.0	542.5
	% Fixture	10.8	0.0	10.8
<b>Street Side</b>	Lumens	4479.2	0.0	4479.2
	% Fixture	89.2	0.0	89.2
<b>Total</b>	Lumens	5021.7	0.0	5021.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.3	1.4
10°-20°	161.8	3.2
20°-30°	242.2	4.8
30°-40°	371.8	7.4
40°-50°	650.2	12.9
50°-60°	1016.4	20.2
60°-70°	1314.0	26.2
70°-80°	1070.2	21.3
80°-90°	123.9	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°	5021.7	100.0
0°-180°	5021.7	100.0



REPORT NUMBER: P673421

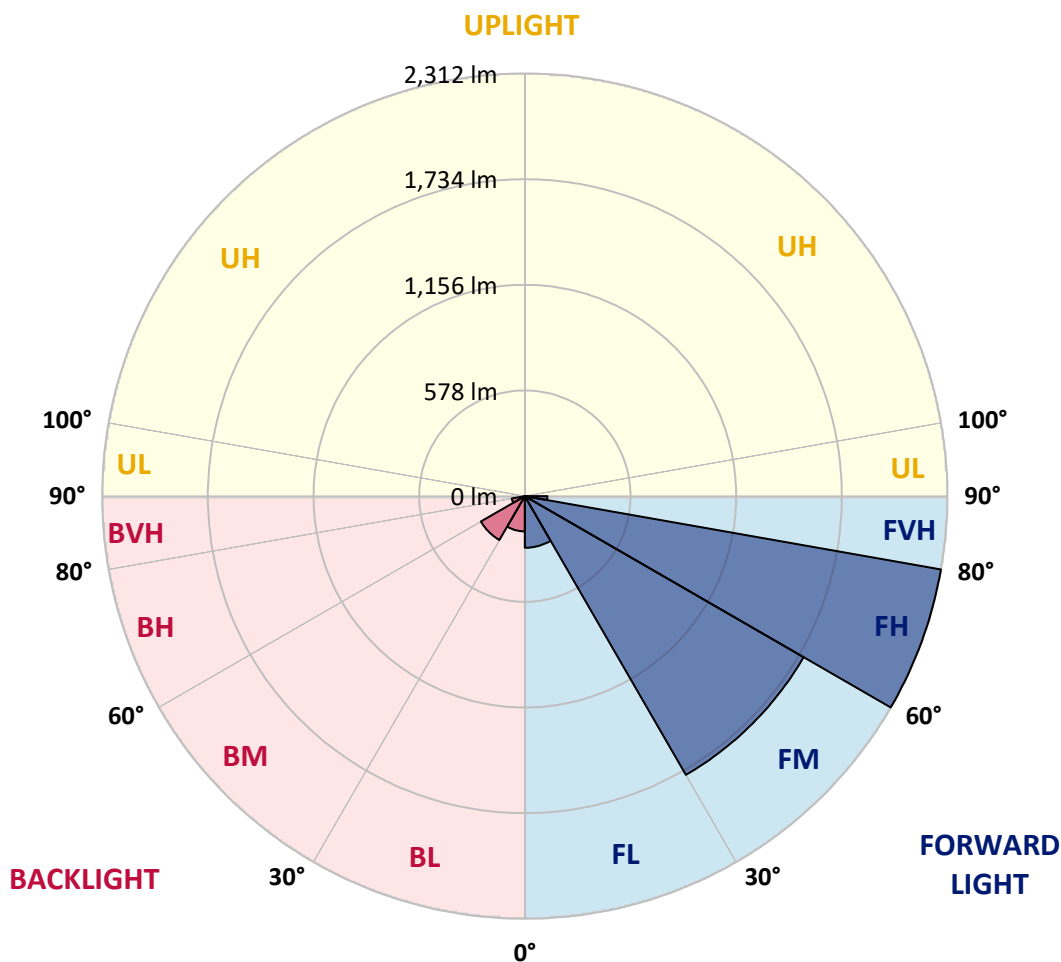
CATALOG NUMBER: CCP-SA-1E-750-U-T4FT-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	282.5	5.6			
FM (30°-60°)	1760.8	35.1			
FH (60°-80°)	2312.1	46.0			G2/5000
FVH (80°-90°)	123.8	2.5			G2/225
BL (0°-30°)	192.7	3.8	B1/500		
BM (30°-60°)	277.5	5.5	B1/1000		
BH (60°-80°)	72.2	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: P673421

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	810.9	810.9	810.9	810.9	810.9	810.9	810.9	810.9	810.9	810.9	810.9
2.5°	727.2	737.5	736.2	742.6	743.9	747.8	756.8	756.8	782.5	800.6	812.1
5°	661.6	655.1	657.7	665.4	684.7	683.4	705.3	716.9	747.8	773.5	800.6
7.5°	580.5	579.2	584.3	602.3	616.5	628.1	651.3	680.9	722.0	760.7	808.3
10°	529.0	526.4	536.7	541.9	558.6	566.3	602.3	648.7	697.6	752.9	808.3
12.5°	517.4	508.4	513.5	512.3	527.7	531.6	566.3	622.9	682.1	750.4	818.6
15°	523.8	517.4	512.3	512.3	516.1	518.7	556.0	606.2	673.1	754.2	841.7
17.5°	544.4	540.6	525.1	509.7	526.4	526.4	549.6	602.3	674.4	765.8	870.1
20°	568.9	565.0	538.0	520.0	531.6	544.4	568.9	611.4	678.3	774.8	913.8
22.5°	595.9	595.9	558.6	538.0	553.4	554.7	598.5	639.7	693.7	798.0	942.1
25°	629.4	626.8	590.8	567.6	572.7	586.9	626.8	670.6	722.0	830.2	994.9
27.5°	673.1	669.3	626.8	603.6	610.1	625.5	670.6	714.3	747.8	843.0	1040.0
30°	709.2	705.3	670.6	635.8	650.0	664.1	716.9	755.5	780.0	867.5	1091.4
32.5°	716.9	710.5	687.3	671.9	687.3	714.3	755.5	795.4	832.7	929.3	1189.3
35°	805.7	782.5	722.0	697.6	720.8	729.8	798.0	868.8	904.8	978.2	1298.7
37.5°	975.6	953.7	873.9	805.7	773.5	783.8	872.6	960.2	994.9	1069.6	1418.4
40°	1184.1	1148.1	1063.1	971.7	906.1	893.2	951.1	1079.9	1113.3	1184.1	1575.4
42.5°	1422.2	1387.5	1256.2	1148.1	1081.1	1064.4	1073.4	1218.9	1247.2	1289.6	1678.3
45°	1593.4	1575.4	1427.4	1330.8	1278.1	1260.0	1238.2	1370.7	1406.8	1420.9	1827.6
47.5°	1692.5	1679.6	1597.3	1531.6	1460.8	1441.5	1455.7	1581.8	1557.4	1568.9	1970.5
50°	1825.1	1791.6	1679.6	1700.2	1686.1	1680.9	1705.4	1760.7	1724.7	1691.2	2126.2
52.5°	1931.9	1872.7	1794.2	1844.4	1866.3	1885.6	1971.8	2013.0	1852.1	1800.6	2226.6
55°	1997.5	1940.9	1961.5	2007.8	2031.0	2119.8	2221.5	2190.6	1935.8	1888.1	2360.5
57.5°	2056.7	2060.6	2115.9	2130.1	2248.5	2264.0	2459.6	2359.2	1995.0	1967.9	2413.3
60°	2199.6	2185.4	2230.5	2321.9	2435.1	2521.4	2708.0	2472.5	2024.6	2009.1	2399.1
62.5°	2457.0	2369.5	2384.9	2500.8	2666.8	2760.8	2850.9	2523.9	2016.8	2015.6	2356.6
65°	2783.9	2683.5	2637.2	2745.3	2960.3	3092.8	3011.7	2581.9	1965.4	2001.4	2198.3
67.5°	3055.5	3056.8	2970.6	3031.1	3311.6	3339.9	3163.6	2570.3	1879.1	1889.4	1812.2
70°	3368.3	3410.7	3334.8	3524.0	3664.3	3682.3	3337.4	2475.0	1693.8	1424.8	1041.2
72.5°	3448.1	3469.9	3706.8	3997.6	4156.0	4161.1	3508.6	2157.1	1114.6	629.4	323.1
75°	2708.0	2728.6	3567.8	4211.3	4446.8	4401.8	3222.8	1400.3	433.7	184.1	77.2
77.5°	1511.0	1517.5	2215.0	3404.3	3772.4	3590.9	2257.5	545.7	175.0	105.5	36.0
80°	413.1	485.2	821.2	1678.3	2303.9	2261.4	1074.7	177.6	113.3	82.4	16.7
82.5°	99.1	106.8	263.8	742.6	1217.6	1270.3	320.5	90.1	78.5	68.2	9.0
85°	36.0	39.9	81.1	361.7	625.5	574.0	96.5	45.0	57.9	52.8	3.9
87.5°	12.9	12.9	25.7	118.4	182.8	137.7	32.2	15.4	29.6	32.2	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	810.9	810.9	810.9	810.9	810.9	810.9	810.9	810.9	810.9	810.9	810.9
2.5°	813.4	813.4	831.4	846.9	852.0	858.5	852.0	866.2	864.9	858.5	861.1
5°	814.7	837.9	853.3	863.6	868.8	867.5	870.1	854.6	845.6	839.2	832.7
7.5°	821.2	843.0	871.3	868.8	854.6	825.0	801.8	760.7	720.8	719.5	713.0
10°	843.0	862.3	879.1	868.8	817.3	727.2	653.8	598.5	548.3	525.1	527.7
12.5°	858.5	894.5	886.8	834.0	727.2	608.8	500.7	419.6	374.5	332.1	332.1
15°	890.7	903.5	900.9	783.8	616.5	474.9	343.6	261.3	213.7	194.3	191.8
17.5°	921.5	935.7	891.9	707.9	507.1	319.2	208.5	162.2	155.7	153.2	154.4
20°	960.2	961.4	884.2	632.0	381.0	202.1	149.3	145.4	146.7	145.4	145.4
22.5°	1001.3	1010.4	857.2	525.1	253.6	146.7	139.0	140.3	140.3	140.3	144.2
25°	1055.4	1041.2	814.7	423.4	166.0	135.1	135.1	136.4	136.4	136.4	137.7
27.5°	1091.4	1072.1	760.7	305.0	130.0	127.4	130.0	130.0	132.6	132.6	132.6
30°	1166.1	1115.9	692.4	196.9	117.1	121.0	123.6	126.1	127.4	130.0	131.3
32.5°	1224.0	1154.5	607.5	131.3	106.8	109.4	115.8	121.0	126.1	124.8	124.8
35°	1329.5	1217.6	529.0	104.3	97.8	97.8	104.3	113.3	121.0	123.6	123.6
37.5°	1450.5	1269.1	419.6	95.2	90.1	90.1	94.0	104.3	114.5	119.7	117.1
40°	1550.9	1328.3	310.2	88.8	83.7	83.7	86.2	94.0	105.5	114.5	115.8
42.5°	1621.7	1372.0	209.8	82.4	78.5	77.2	81.1	84.9	94.0	106.8	109.4
45°	1686.1	1395.2	130.0	75.9	73.4	73.4	73.4	77.2	83.7	95.2	97.8
47.5°	1800.6	1420.9	94.0	70.8	66.9	68.2	69.5	70.8	75.9	78.5	79.8
50°	1897.1	1440.2	77.2	65.6	63.1	64.4	64.4	64.4	66.9	63.1	63.1
52.5°	1970.5	1420.9	65.6	60.5	57.9	59.2	57.9	57.9	55.3	50.2	50.2
55°	2024.6	1386.2	52.8	55.3	55.3	55.3	52.8	48.9	43.8	39.9	39.9
57.5°	2038.7	1327.0	41.2	46.3	50.2	50.2	45.0	39.9	33.5	29.6	28.3
60°	2016.8	1198.3	30.9	33.5	38.6	39.9	36.0	29.6	23.2	19.3	19.3
62.5°	1938.3	1096.6	24.5	21.9	28.3	29.6	25.7	19.3	12.9	9.0	7.7
65°	1789.0	939.6	18.0	15.4	19.3	20.6	16.7	9.0	3.9	1.3	0.0
67.5°	1435.1	707.9	11.6	10.3	12.9	12.9	7.7	2.6	0.0	0.0	0.0
70°	794.1	397.7	7.7	5.1	6.4	3.9	1.3	0.0	0.0	0.0	0.0
72.5°	229.1	113.3	3.9	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0
75°	61.8	27.0	2.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	27.0	10.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	11.6	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	6.4	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.6	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)