

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: P676567

Luminaire Tested: **CCW-SA-1F-740-U-T4FT-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676567
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1F-740-U-T4FT-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1200mA w/
T4FT distribution lens and House Side Shield
Light Source: (16) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

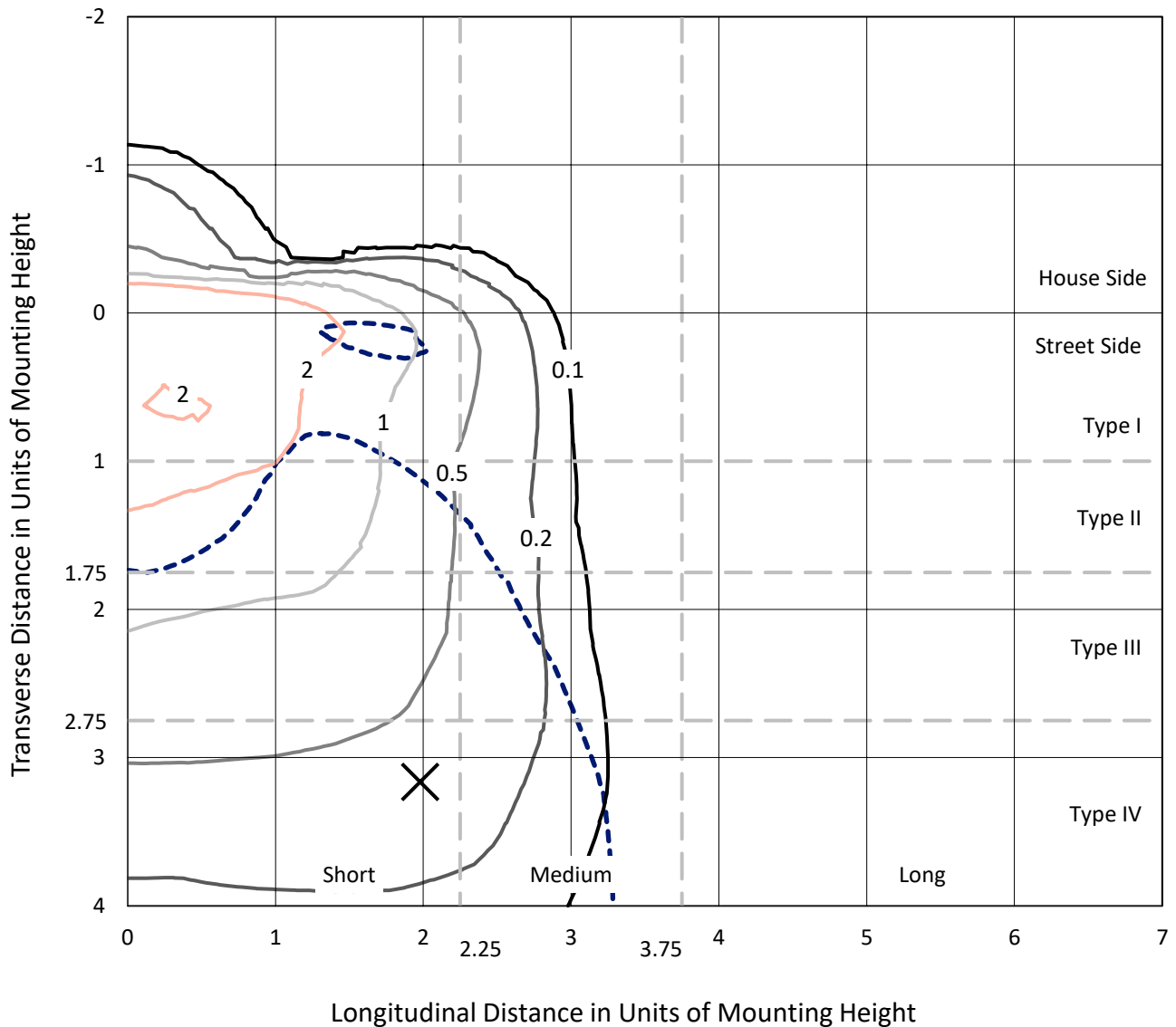
Lumens per Lamp: N/A
Luminaire Lumens: 5383.7 lumens
Efficiency: N/A
Efficacy: 80.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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: P676567
 CATALOG NUMBER: CCW-SA-1F-740-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

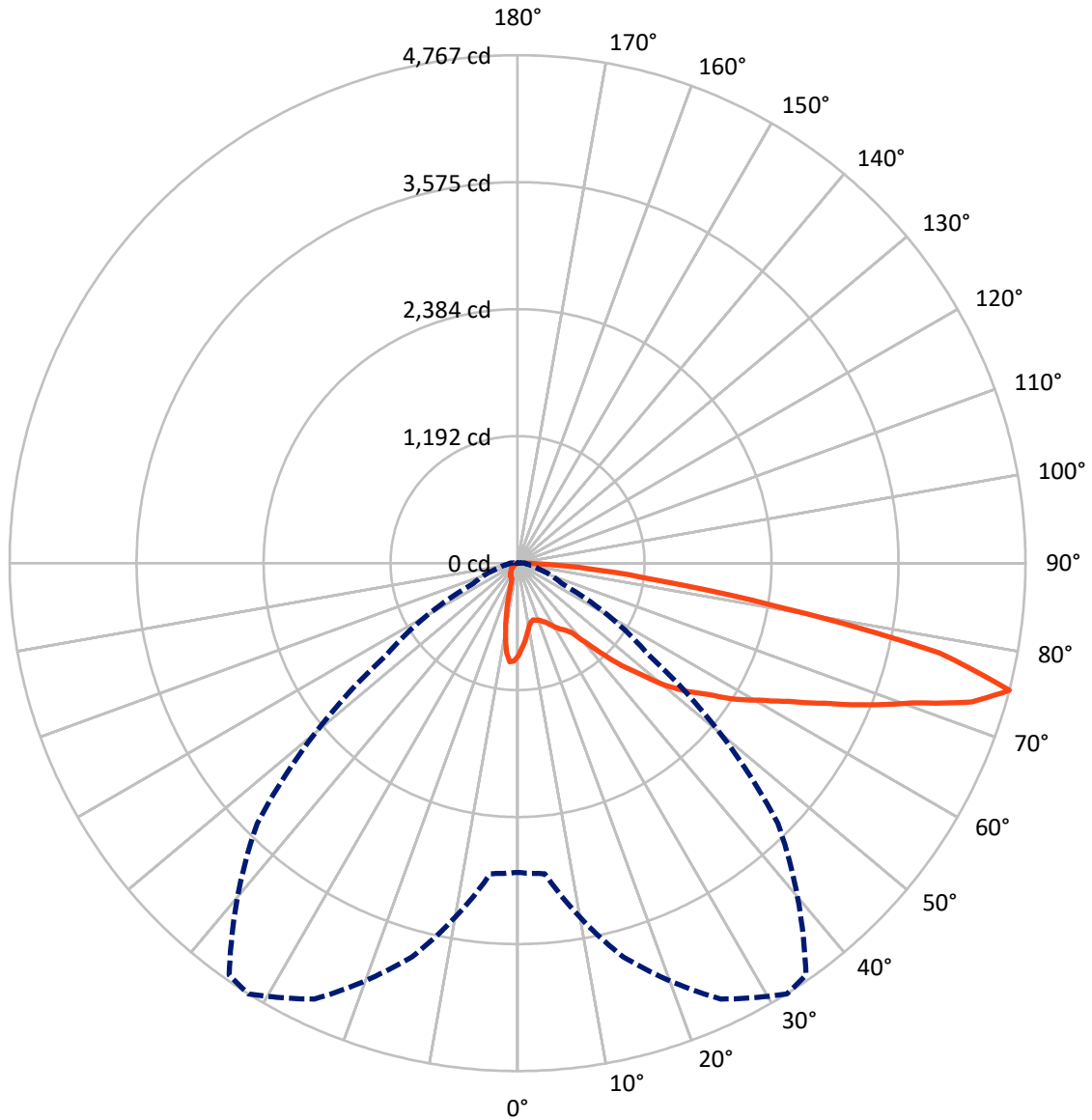
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P676567
CATALOG NUMBER: CCW-SA-1F-740-U-T4FT-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P676567
 CATALOG NUMBER: CCW-SA-1F-740-U-T4FT-HSS

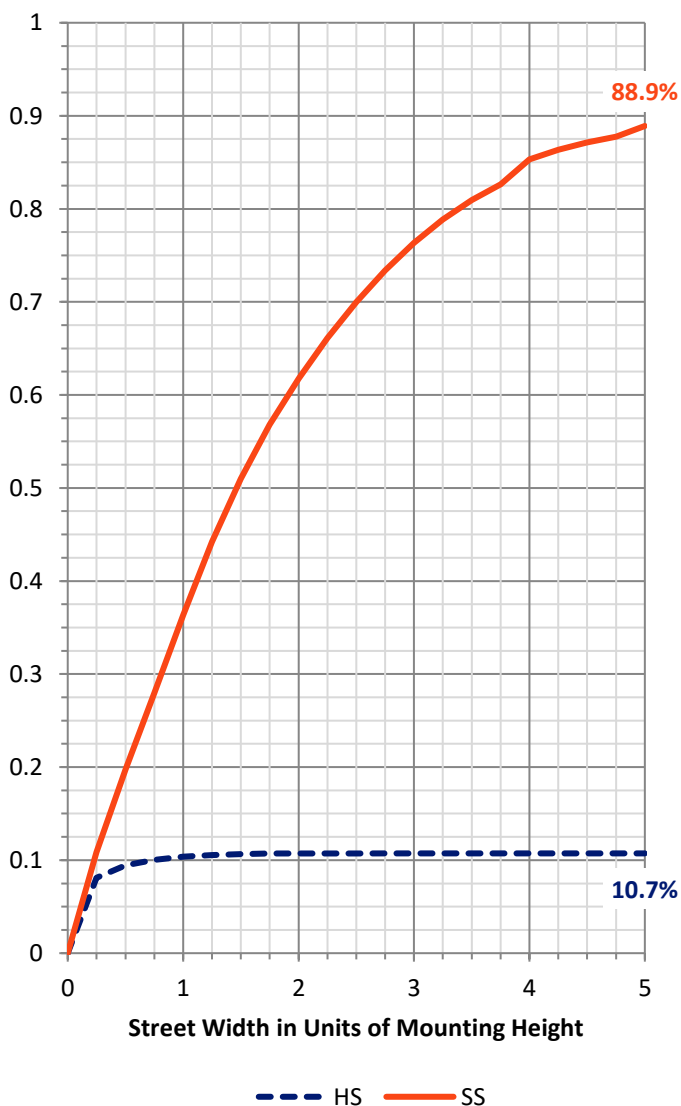
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	581.6	0.0	581.6
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	4802.1	0.0	4802.1
	% Fixture	89.2	0.0	89.2
Total	Lumens	5383.7	0.0	5383.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.4	1.4
10°-20°	173.4	3.2
20°-30°	259.7	4.8
30°-40°	398.6	7.4
40°-50°	697.1	12.9
50°-60°	1089.6	20.2
60°-70°	1408.7	26.2
70°-80°	1147.4	21.3
80°-90°	132.8	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°	5383.7	100.0
0°-180°	5383.7	100.0



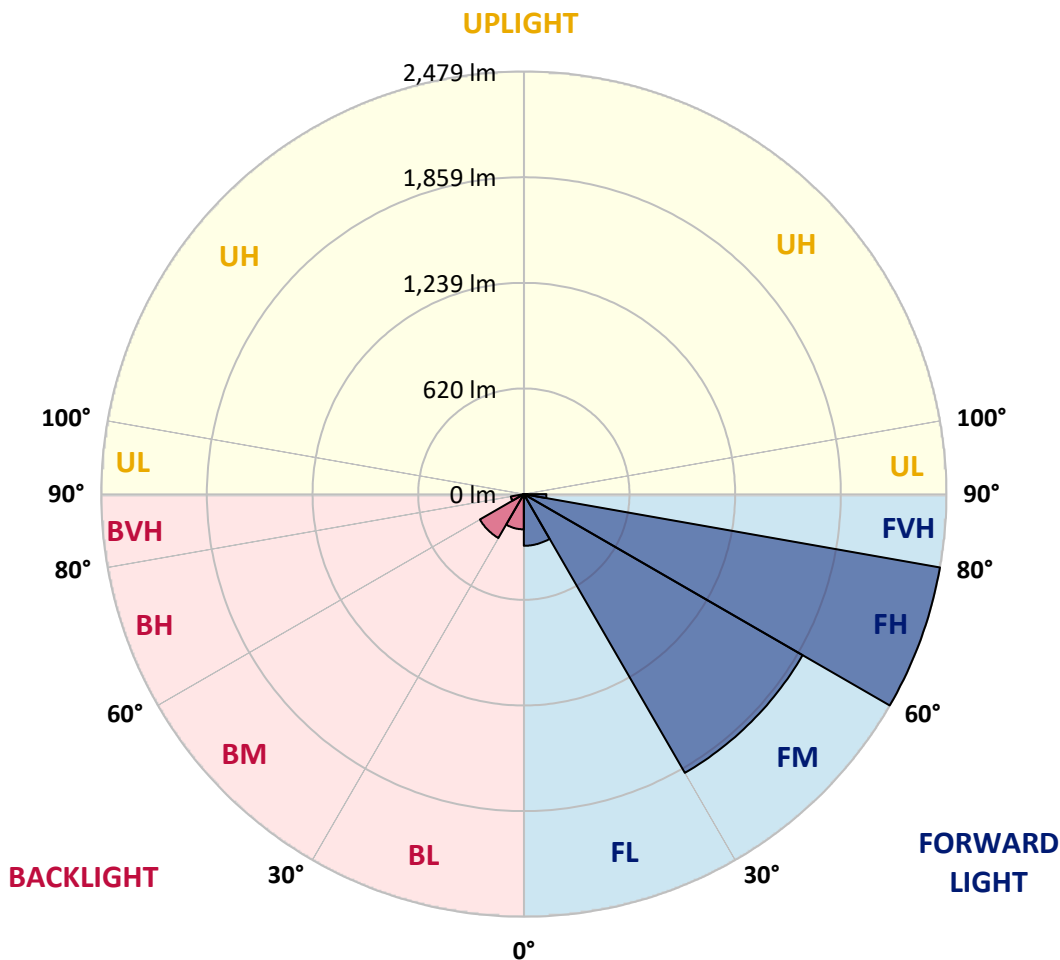
REPORT NUMBER: P676567
 CATALOG NUMBER: CCW-SA-1F-740-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	302.9	5.6			
FM (30°-60°)	1887.8	35.1			
FH (60°-80°)	2478.7	46.0			G2/5000
FVH (80°-90°)	132.7	2.5			G2/225
BL (0°-30°)	206.6	3.8	B1/500		
BM (30°-60°)	297.6	5.5	B1/1000		
BH (60°-80°)	77.4	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: P676567

CATALOG NUMBER: CCW-SA-1F-740-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	869.3	869.3	869.3	869.3	869.3	869.3	869.3	869.3	869.3	869.3	869.3
2.5°	779.6	790.6	789.3	796.2	797.5	801.7	811.3	811.3	838.9	858.3	870.7
5°	709.2	702.3	705.1	713.4	734.1	732.7	756.2	768.6	801.7	829.3	858.3
7.5°	622.3	620.9	626.4	645.8	660.9	673.4	698.2	729.9	774.1	815.5	866.5
10°	567.1	564.4	575.4	580.9	598.9	607.1	645.8	695.4	747.9	807.2	866.5
12.5°	554.7	545.0	550.6	549.2	565.7	569.9	607.1	667.8	731.3	804.4	877.6
15°	561.6	554.7	549.2	549.2	553.3	556.1	596.1	649.9	721.7	808.6	902.4
17.5°	583.7	579.5	563.0	546.4	564.4	564.4	589.2	645.8	723.0	821.0	932.8
20°	609.9	605.7	576.8	557.5	569.9	583.7	609.9	655.4	727.2	830.7	979.7
22.5°	638.9	638.9	598.9	576.8	593.3	594.7	641.6	685.8	743.7	855.5	1010.0
25°	674.7	672.0	633.3	608.5	614.0	629.2	672.0	718.9	774.1	890.0	1066.6
27.5°	721.7	717.5	672.0	647.1	654.0	670.6	718.9	765.8	801.7	903.8	1114.9
30°	760.3	756.2	718.9	681.6	696.8	712.0	768.6	810.0	836.2	930.0	1170.1
32.5°	768.6	761.7	736.8	720.3	736.8	765.8	810.0	852.7	892.8	996.2	1275.0
35°	863.8	838.9	774.1	747.9	772.7	782.4	855.5	931.4	970.0	1048.7	1392.3
37.5°	1045.9	1022.5	936.9	863.8	829.3	840.3	935.5	1029.4	1066.6	1146.6	1520.6
40°	1269.5	1230.8	1139.7	1041.8	971.4	957.6	1019.7	1157.7	1193.6	1269.5	1688.9
42.5°	1524.7	1487.5	1346.7	1230.8	1159.1	1141.1	1150.8	1306.7	1337.1	1382.6	1799.3
45°	1708.2	1688.9	1530.2	1426.8	1370.2	1350.9	1327.4	1469.5	1508.2	1523.3	1959.4
47.5°	1814.5	1800.7	1712.4	1642.0	1566.1	1545.4	1560.6	1695.8	1669.6	1682.0	2112.5
50°	1956.6	1920.7	1800.7	1822.8	1807.6	1802.1	1828.3	1887.6	1849.0	1813.1	2279.5
52.5°	2071.1	2007.7	1923.5	1977.3	2000.8	2021.5	2113.9	2158.1	1985.6	1930.4	2387.1
55°	2141.5	2080.8	2102.9	2152.5	2177.4	2272.6	2381.6	2348.5	2075.3	2024.2	2530.6
57.5°	2205.0	2209.1	2268.5	2283.6	2410.6	2427.1	2636.9	2529.2	2138.8	2109.8	2587.2
60°	2358.1	2343.0	2391.3	2489.2	2610.7	2703.1	2903.2	2650.7	2170.5	2153.9	2572.0
62.5°	2634.1	2540.3	2556.8	2681.0	2859.0	2959.8	3056.3	2705.9	2162.2	2160.8	2526.5
65°	2984.6	2877.0	2827.3	2943.2	3173.6	3315.8	3228.8	2768.0	2107.0	2145.6	2356.8
67.5°	3275.7	3277.1	3184.7	3249.5	3550.3	3580.7	3391.6	2755.5	2014.6	2025.6	1942.8
70°	3611.0	3656.6	3575.2	3778.0	3928.4	3947.7	3577.9	2653.4	1815.9	1527.5	1116.3
72.5°	3696.6	3720.0	3973.9	4285.8	4455.5	4461.0	3761.4	2312.6	1194.9	674.7	346.3
75°	2903.2	2925.3	3824.9	4514.8	4767.3	4719.0	3455.1	1501.3	465.0	197.3	82.8
77.5°	1619.9	1626.8	2374.7	3649.7	4044.3	3849.8	2420.2	585.1	187.7	113.1	38.6
80°	442.9	520.2	880.3	1799.3	2469.9	2424.4	1152.2	190.4	121.4	88.3	17.9
82.5°	106.2	114.5	282.9	796.2	1305.3	1361.9	343.6	96.6	84.2	73.1	9.7
85°	38.6	42.8	86.9	387.7	670.6	615.4	103.5	48.3	62.1	56.6	4.1
87.5°	13.8	13.8	27.6	126.9	195.9	147.6	34.5	16.6	31.7	34.5	1.4
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: P676567
 CATALOG NUMBER: CCW-SA-1F-740-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	869.3	869.3	869.3	869.3	869.3	869.3	869.3	869.3	869.3	869.3	869.3
2.5°	872.1	872.1	891.4	907.9	913.5	920.4	913.5	928.6	927.3	920.4	923.1
5°	873.4	898.3	914.8	925.9	931.4	930.0	932.8	916.2	906.6	899.7	892.8
7.5°	880.3	903.8	934.2	931.4	916.2	884.5	859.6	815.5	772.7	771.3	764.4
10°	903.8	924.5	942.4	931.4	876.2	779.6	701.0	641.6	587.8	563.0	565.7
12.5°	920.4	959.0	950.7	894.1	779.6	652.7	536.8	449.8	401.5	356.0	356.0
15°	954.8	968.6	965.9	840.3	660.9	509.2	368.4	280.1	229.1	208.4	205.6
17.5°	988.0	1003.1	956.2	758.9	543.7	342.2	223.5	173.9	167.0	164.2	165.6
20°	1029.4	1030.7	947.9	677.5	408.4	216.6	160.1	155.9	157.3	155.9	155.9
22.5°	1073.5	1083.2	919.0	563.0	271.8	157.3	149.0	150.4	150.4	150.4	154.5
25°	1131.5	1116.3	873.4	454.0	178.0	144.9	144.9	146.3	146.3	146.3	147.6
27.5°	1170.1	1149.4	815.5	327.0	139.4	136.6	139.4	139.4	142.1	142.1	142.1
30°	1250.1	1196.3	742.4	211.1	125.6	129.7	132.5	135.2	136.6	139.4	140.7
32.5°	1312.2	1237.7	651.3	140.7	114.5	117.3	124.2	129.7	135.2	133.8	133.8
35°	1425.4	1305.3	567.1	111.8	104.9	104.9	111.8	121.4	129.7	132.5	132.5
37.5°	1555.1	1360.5	449.8	102.1	96.6	96.6	100.7	111.8	122.8	128.3	125.6
40°	1662.7	1424.0	332.5	95.2	89.7	89.7	92.4	100.7	113.1	122.8	124.2
42.5°	1738.6	1470.9	224.9	88.3	84.2	82.8	86.9	91.1	100.7	114.5	117.3
45°	1807.6	1495.7	139.4	81.4	78.7	78.7	78.7	82.8	89.7	102.1	104.9
47.5°	1930.4	1523.3	100.7	75.9	71.8	73.1	74.5	75.9	81.4	84.2	85.6
50°	2033.9	1544.0	82.8	70.4	67.6	69.0	69.0	69.0	71.8	67.6	67.6
52.5°	2112.5	1523.3	70.4	64.9	62.1	63.5	62.1	62.1	59.3	53.8	53.8
55°	2170.5	1486.1	56.6	59.3	59.3	59.3	56.6	52.4	46.9	42.8	42.8
57.5°	2185.7	1422.6	44.2	49.7	53.8	53.8	48.3	42.8	35.9	31.7	30.4
60°	2162.2	1284.6	33.1	35.9	41.4	42.8	38.6	31.7	24.8	20.7	20.7
62.5°	2078.0	1175.6	26.2	23.5	30.4	31.7	27.6	20.7	13.8	9.7	8.3
65°	1918.0	1007.3	19.3	16.6	20.7	22.1	17.9	9.7	4.1	1.4	0.0
67.5°	1538.5	758.9	12.4	11.0	13.8	13.8	8.3	2.8	0.0	0.0	0.0
70°	851.4	426.4	8.3	5.5	6.9	4.1	1.4	0.0	0.0	0.0	0.0
72.5°	245.6	121.4	4.1	2.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0
75°	66.2	29.0	2.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	29.0	11.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	12.4	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	6.9	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.4	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)