

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: P676559

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

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676559
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-735-U-T4FT-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T4FT distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

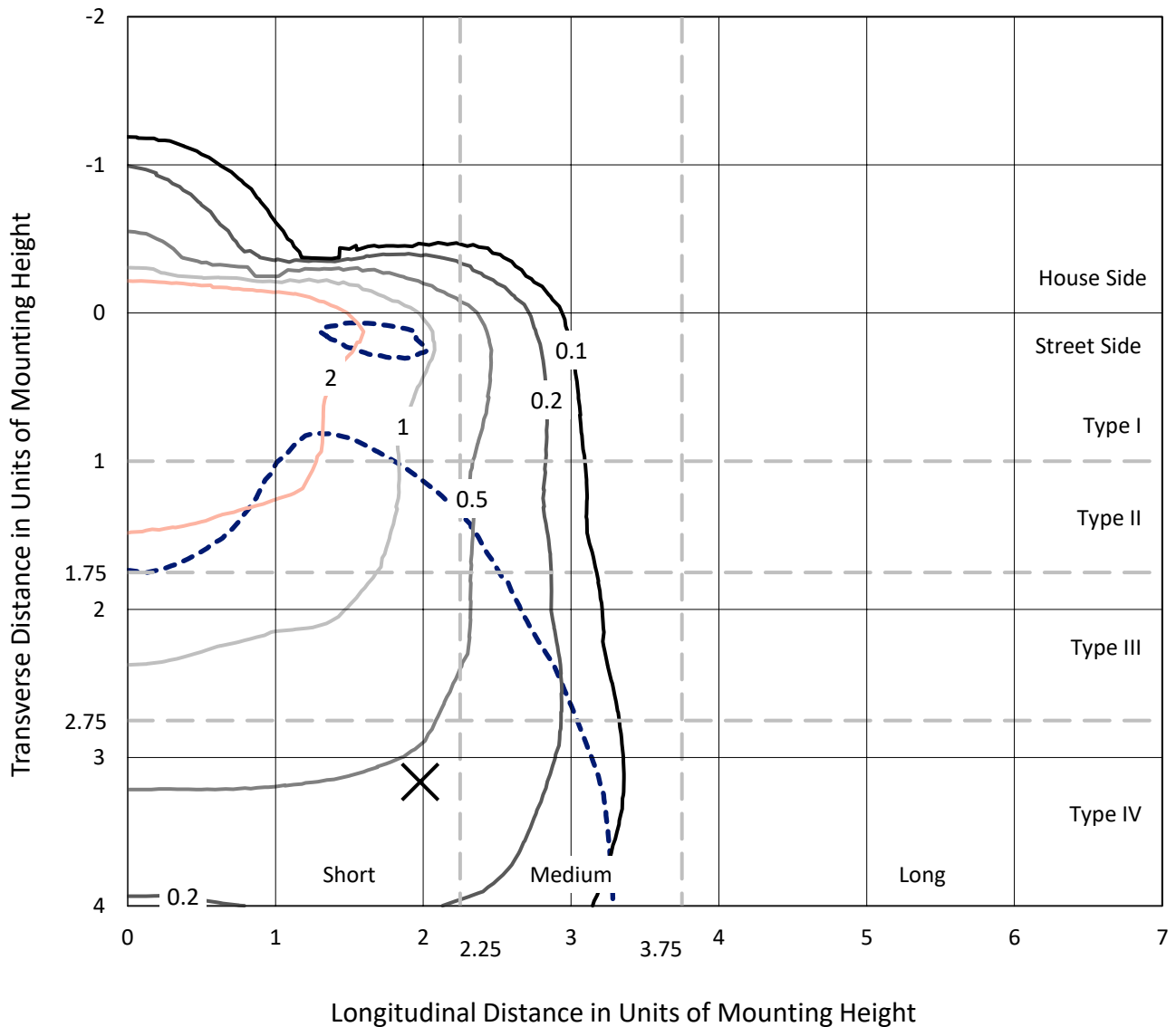
Lumens per Lamp: N/A
Luminaire Lumens: 6403.3 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (A_{in}): 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

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Iso-Footcandle Lines of Horizontal Illumination

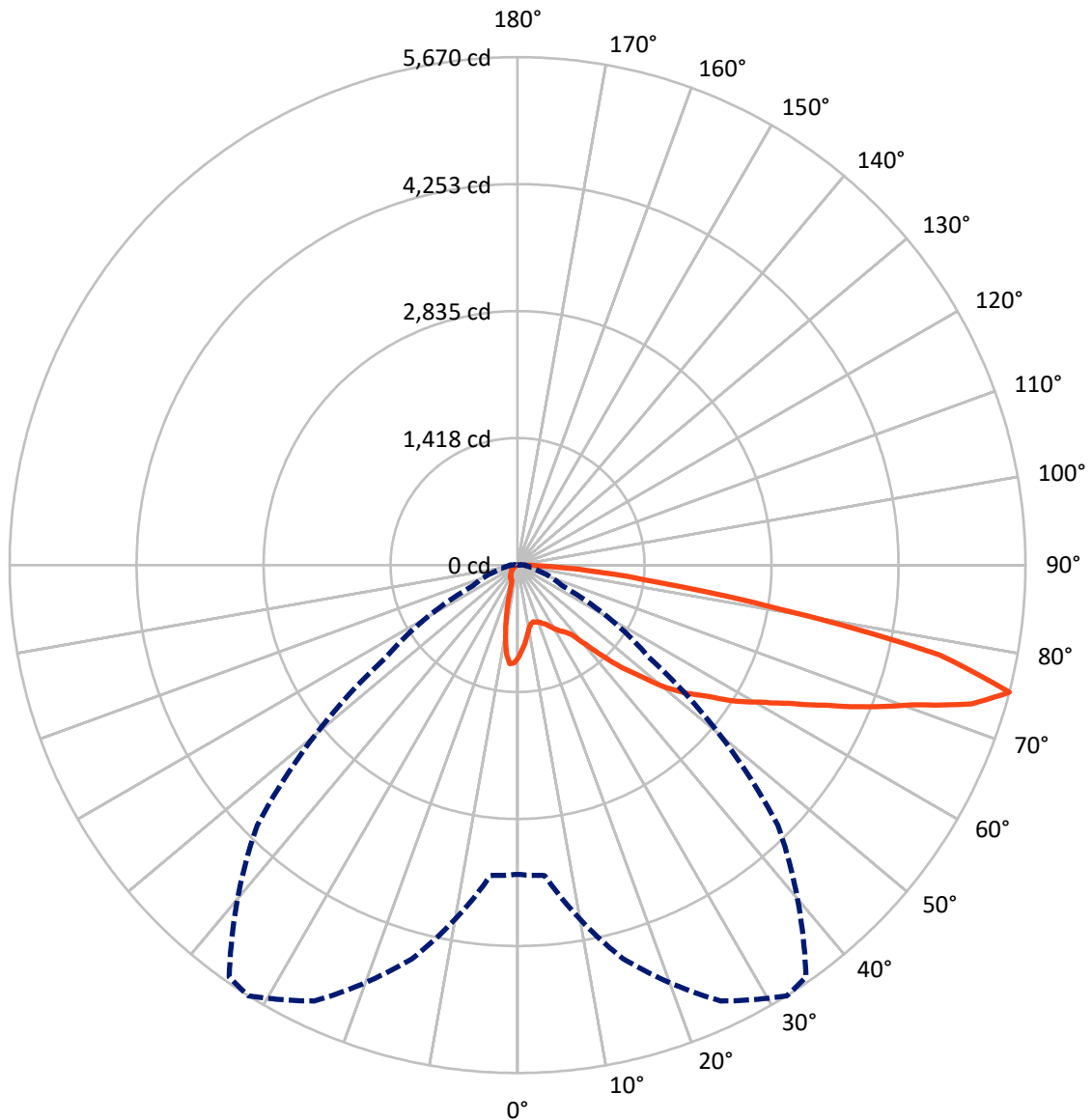
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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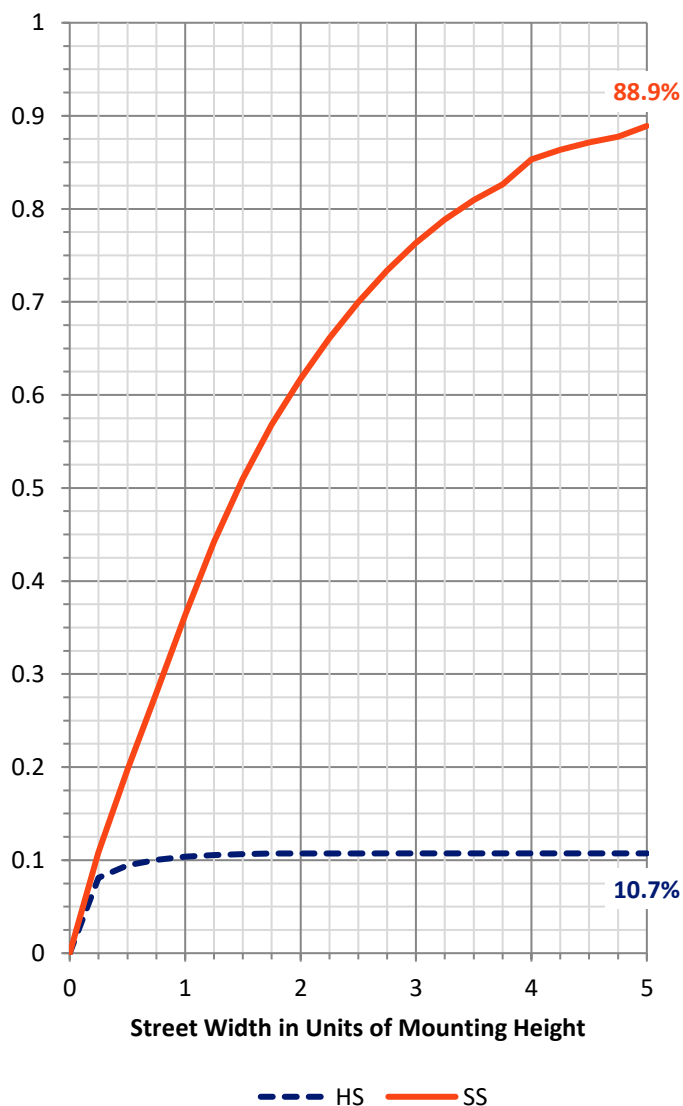
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	691.8	0.0	691.8
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	5711.5	0.0	5711.5
	% Fixture	89.2	0.0	89.2
Total	Lumens	6403.3	0.0	6403.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.9	1.4
10°-20°	206.3	3.2
20°-30°	308.9	4.8
30°-40°	474.1	7.4
40°-50°	829.1	12.9
50°-60°	1296.0	20.2
60°-70°	1675.5	26.2
70°-80°	1364.7	21.3
80°-90°	158.0	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°	6403.3	100.0
0°-180°	6403.3	100.0



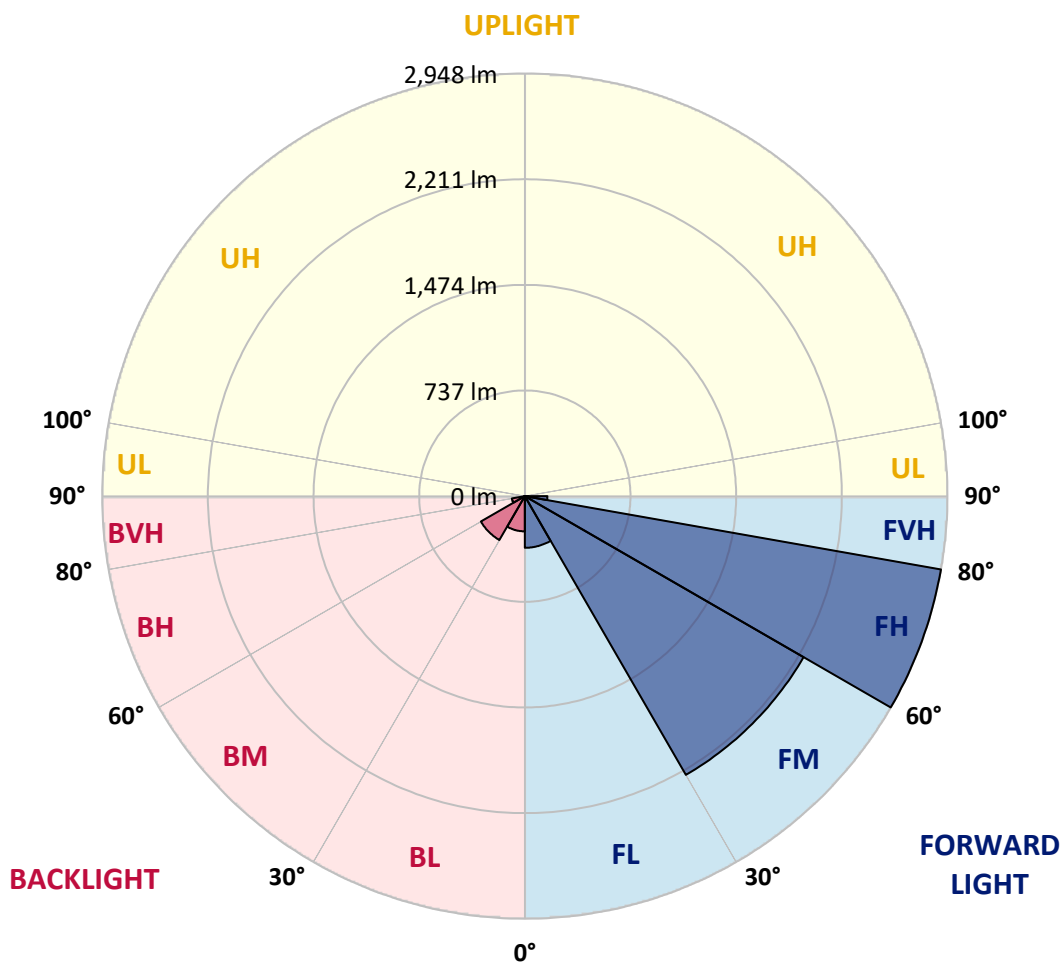
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	360.3	5.6			
FM (30°-60°)	2245.3	35.1			
FH (60°-80°)	2948.1	46.0			G2/5000
FVH (80°-90°)	157.8	2.5			G2/225
BL (0°-30°)	245.7	3.8	B1/500		
BM (30°-60°)	353.9	5.5	B1/1000		
BH (60°-80°)	92.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	32°	35°	45°	55°	65°	75°	85°
0°	1033.9	1033.9	1033.9	1033.9	1033.9	1033.9	1033.9	1033.9	1033.9	1033.9	1033.9
2.5°	927.3	940.4	938.7	947.0	948.6	953.5	965.0	965.0	997.8	1020.8	1035.6
5°	843.6	835.4	838.6	848.5	873.1	871.5	899.4	914.1	953.5	986.3	1020.8
7.5°	740.2	738.5	745.1	768.1	786.1	800.9	830.4	868.2	920.7	969.9	1030.7
10°	674.5	671.2	684.4	690.9	712.3	722.1	768.1	827.1	889.5	960.1	1030.7
12.5°	659.7	648.3	654.8	653.2	672.9	677.8	722.1	794.3	869.8	956.8	1043.8
15°	668.0	659.7	653.2	653.2	658.1	661.4	709.0	773.0	858.3	961.7	1073.3
17.5°	694.2	689.3	669.6	649.9	671.2	671.2	700.8	768.1	860.0	976.5	1109.4
20°	725.4	720.5	686.0	663.0	677.8	694.2	725.4	779.6	864.9	988.0	1165.2
22.5°	759.9	759.9	712.3	686.0	705.7	707.3	763.1	815.7	884.6	1017.5	1201.3
25°	802.5	799.2	753.3	723.8	730.3	748.4	799.2	855.0	920.7	1058.6	1268.6
27.5°	858.3	853.4	799.2	769.7	777.9	797.6	855.0	910.8	953.5	1075.0	1326.1
30°	904.3	899.4	855.0	810.7	828.8	846.8	914.1	963.4	994.5	1106.1	1391.7
32.5°	914.1	905.9	876.4	856.7	876.4	910.8	963.4	1014.2	1061.8	1184.9	1516.4
35°	1027.4	997.8	920.7	889.5	919.1	930.5	1017.5	1107.8	1153.7	1247.3	1655.9
37.5°	1244.0	1216.1	1114.4	1027.4	986.3	999.5	1112.7	1224.3	1268.6	1363.8	1808.6
40°	1509.9	1463.9	1355.6	1239.1	1155.4	1139.0	1212.8	1376.9	1419.6	1509.9	2008.8
42.5°	1813.5	1769.2	1601.8	1463.9	1378.6	1357.2	1368.7	1554.2	1590.3	1644.4	2140.1
45°	2031.8	2008.8	1820.1	1697.0	1629.7	1606.7	1578.8	1747.8	1793.8	1811.8	2330.5
47.5°	2158.1	2141.7	2036.7	1953.0	1862.7	1838.1	1856.2	2017.0	1985.8	2000.6	2512.6
50°	2327.2	2284.5	2141.7	2168.0	2149.9	2143.4	2174.5	2245.1	2199.2	2156.5	2711.2
52.5°	2463.4	2387.9	2287.8	2351.8	2379.7	2404.3	2514.3	2566.8	2361.6	2296.0	2839.2
55°	2547.1	2474.9	2501.1	2560.2	2589.8	2703.0	2832.7	2793.3	2468.3	2407.6	3009.9
57.5°	2622.6	2627.5	2698.1	2716.1	2867.1	2886.8	3136.3	3008.3	2543.8	2509.3	3077.2
60°	2804.8	2786.7	2844.1	2960.7	3105.1	3215.0	3453.0	3152.7	2581.6	2561.9	3059.1
62.5°	3133.0	3021.4	3041.1	3188.8	3400.5	3520.3	3635.2	3218.3	2571.7	2570.1	3005.0
65°	3549.8	3421.8	3362.7	3500.6	3774.7	3943.7	3840.3	3292.2	2506.1	2552.0	2803.1
67.5°	3896.1	3897.8	3787.8	3864.9	4222.7	4258.8	4034.0	3277.4	2396.1	2409.2	2310.8
70°	4294.9	4349.1	4252.3	4493.5	4672.4	4695.4	4255.5	3156.0	2159.8	1816.8	1327.7
72.5°	4396.7	4424.6	4726.6	5097.5	5299.3	5305.9	4473.8	2750.6	1421.2	802.5	411.9
75°	3453.0	3479.3	4549.3	5369.9	5670.2	5612.8	4109.5	1785.6	553.1	234.7	98.5
77.5°	1926.7	1934.9	2824.4	4340.9	4810.3	4578.9	2878.6	695.9	223.2	134.6	46.0
80°	526.8	618.7	1047.1	2140.1	2937.7	2883.5	1370.4	226.5	144.4	105.0	21.3
82.5°	126.4	136.2	336.4	947.0	1552.5	1619.8	408.7	114.9	100.1	87.0	11.5
85°	46.0	50.9	103.4	461.2	797.6	732.0	123.1	57.4	73.9	67.3	4.9
87.5°	16.4	16.4	32.8	151.0	233.0	175.6	41.0	19.7	37.7	41.0	1.6
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°	1033.9	1033.9	1033.9	1033.9	1033.9	1033.9	1033.9	1033.9	1033.9	1033.9	1033.9
2.5°	1037.2	1037.2	1060.2	1079.9	1086.5	1094.7	1086.5	1104.5	1102.9	1094.7	1097.9
5°	1038.9	1068.4	1088.1	1101.2	1107.8	1106.1	1109.4	1089.7	1078.2	1070.0	1061.8
7.5°	1047.1	1075.0	1111.1	1107.8	1089.7	1052.0	1022.4	969.9	919.1	917.4	909.2
10°	1075.0	1099.6	1120.9	1107.8	1042.1	927.3	833.7	763.1	699.1	669.6	672.9
12.5°	1094.7	1140.6	1130.8	1063.5	927.3	776.3	638.4	535.0	477.6	423.4	423.4
15°	1135.7	1152.1	1148.8	999.5	786.1	605.6	438.2	333.2	272.4	247.8	244.5
17.5°	1175.1	1193.1	1137.3	902.6	646.6	407.0	265.9	206.8	198.6	195.3	196.9
20°	1224.3	1226.0	1127.5	805.8	485.8	257.7	190.4	185.5	187.1	185.5	185.5
22.5°	1276.8	1288.3	1093.0	669.6	323.3	187.1	177.2	178.9	178.9	178.9	183.8
25°	1345.8	1327.7	1038.9	539.9	211.7	172.3	172.3	174.0	174.0	174.0	175.6
27.5°	1391.7	1367.1	969.9	389.0	165.8	162.5	165.8	165.8	169.0	169.0	169.0
30°	1486.9	1422.9	882.9	251.1	149.3	154.3	157.6	160.8	162.5	165.8	167.4
32.5°	1560.7	1472.1	774.6	167.4	136.2	139.5	147.7	154.3	160.8	159.2	159.2
35°	1695.3	1552.5	674.5	132.9	124.7	124.7	132.9	144.4	154.3	157.6	157.6
37.5°	1849.6	1618.2	535.0	121.4	114.9	114.9	119.8	132.9	146.1	152.6	149.3
40°	1977.6	1693.7	395.5	113.2	106.7	106.7	110.0	119.8	134.6	146.1	147.7
42.5°	2067.9	1749.5	267.5	105.0	100.1	98.5	103.4	108.3	119.8	136.2	139.5
45°	2149.9	1779.0	165.8	96.8	93.5	93.5	93.5	98.5	106.7	121.4	124.7
47.5°	2296.0	1811.8	119.8	90.3	85.3	87.0	88.6	90.3	96.8	100.1	101.8
50°	2419.1	1836.5	98.5	83.7	80.4	82.1	82.1	82.1	85.3	80.4	80.4
52.5°	2512.6	1811.8	83.7	77.1	73.9	75.5	73.9	73.9	70.6	64.0	64.0
55°	2581.6	1767.5	67.3	70.6	70.6	70.6	67.3	62.4	55.8	50.9	50.9
57.5°	2599.6	1692.0	52.5	59.1	64.0	64.0	57.4	50.9	42.7	37.7	36.1
60°	2571.7	1527.9	39.4	42.7	49.2	50.9	46.0	37.7	29.5	24.6	24.6
62.5°	2471.6	1398.3	31.2	27.9	36.1	37.7	32.8	24.6	16.4	11.5	9.8
65°	2281.2	1198.1	23.0	19.7	24.6	26.3	21.3	11.5	4.9	1.6	0.0
67.5°	1829.9	902.6	14.8	13.1	16.4	16.4	9.8	3.3	0.0	0.0	0.0
70°	1012.6	507.1	9.8	6.6	8.2	4.9	1.6	0.0	0.0	0.0	0.0
72.5°	292.1	144.4	4.9	3.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0
75°	78.8	34.5	3.3	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	34.5	13.1	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	14.8	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	8.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.6	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)