

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: P676426

Luminaire Tested: **CCW-SA-2C-740-U-T3-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676426
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-740-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T3 distribution lens and House Side Shield
Light Source: (32) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

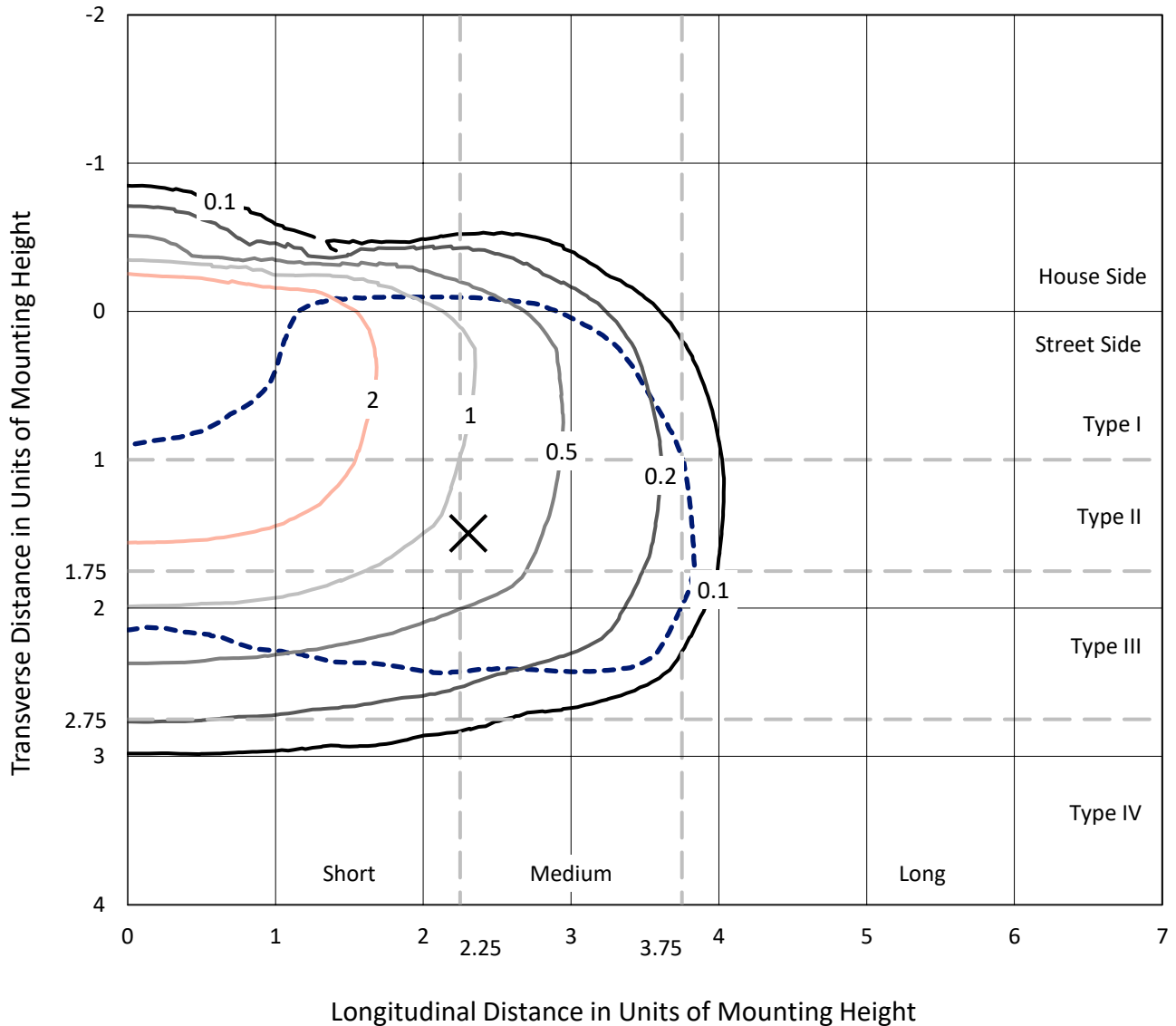
Lumens per Lamp: N/A
Luminaire Lumens: 6513.6 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
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

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Iso-Footcandle Lines of Horizontal Illumination

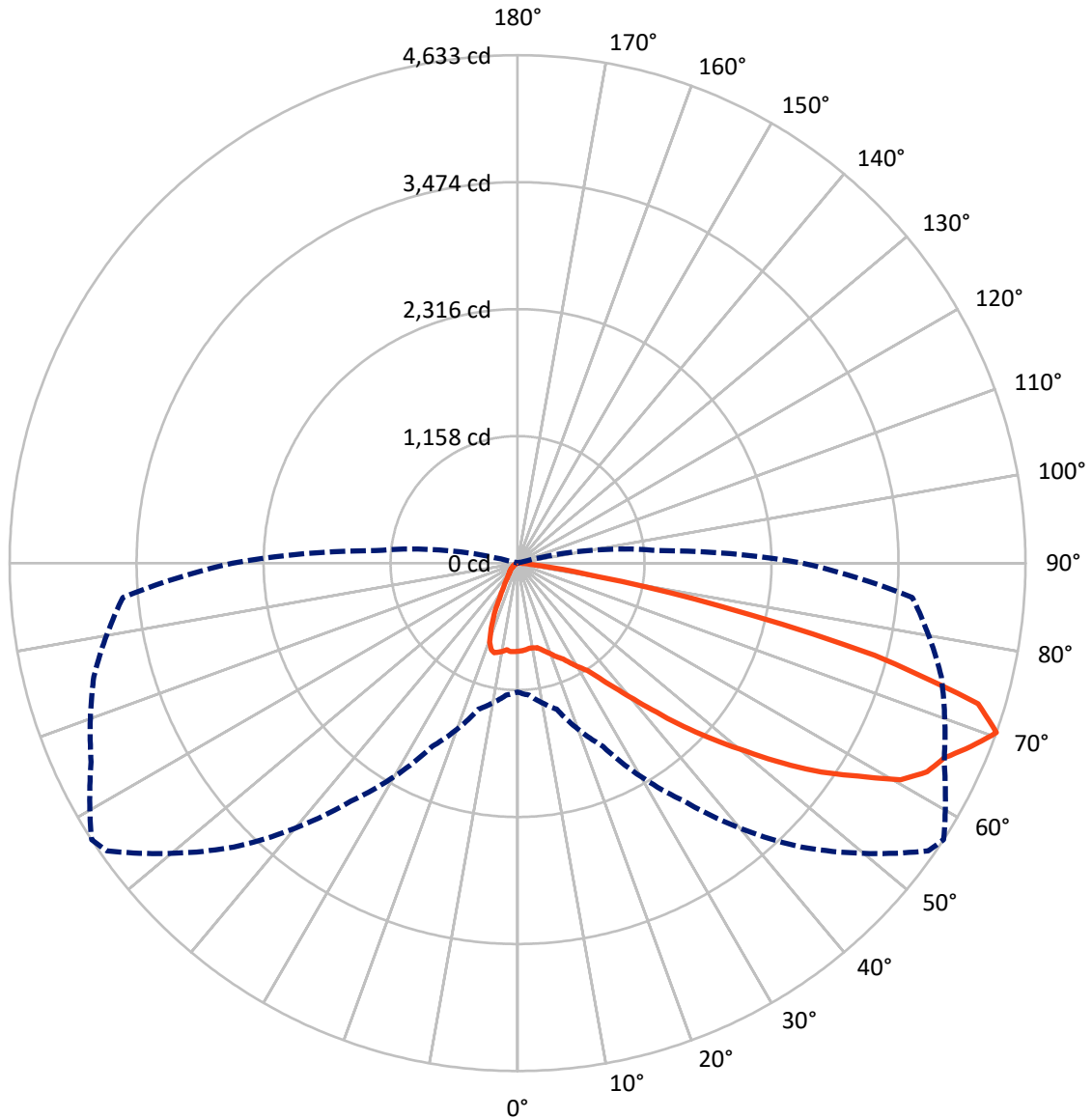
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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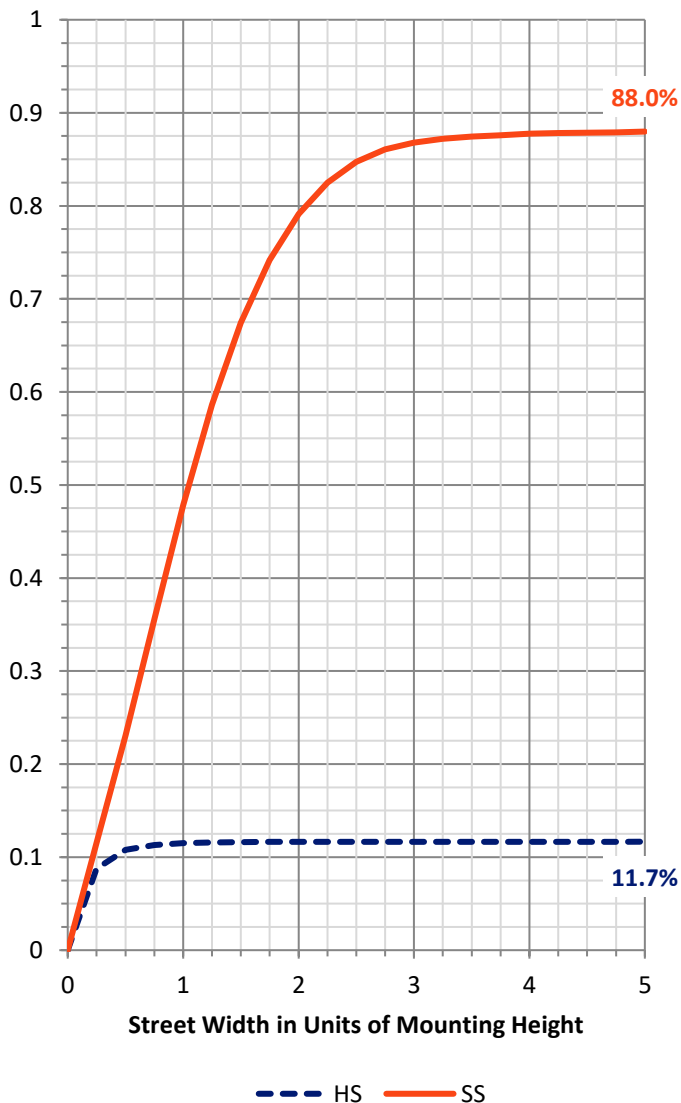
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	767.8	0.0	767.8
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	5745.8	0.0	5745.8
	% Fixture	88.2	0.0	88.2
Total	Lumens	6513.6	0.0	6513.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.1	1.2
10°-20°	210.0	3.2
20°-30°	353.7	5.4
30°-40°	605.4	9.3
40°-50°	1016.5	15.6
50°-60°	1560.3	24.0
60°-70°	1801.4	27.7
70°-80°	850.9	13.1
80°-90°	40.4	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°	6513.6	100.0
0°-180°	6513.6	100.0



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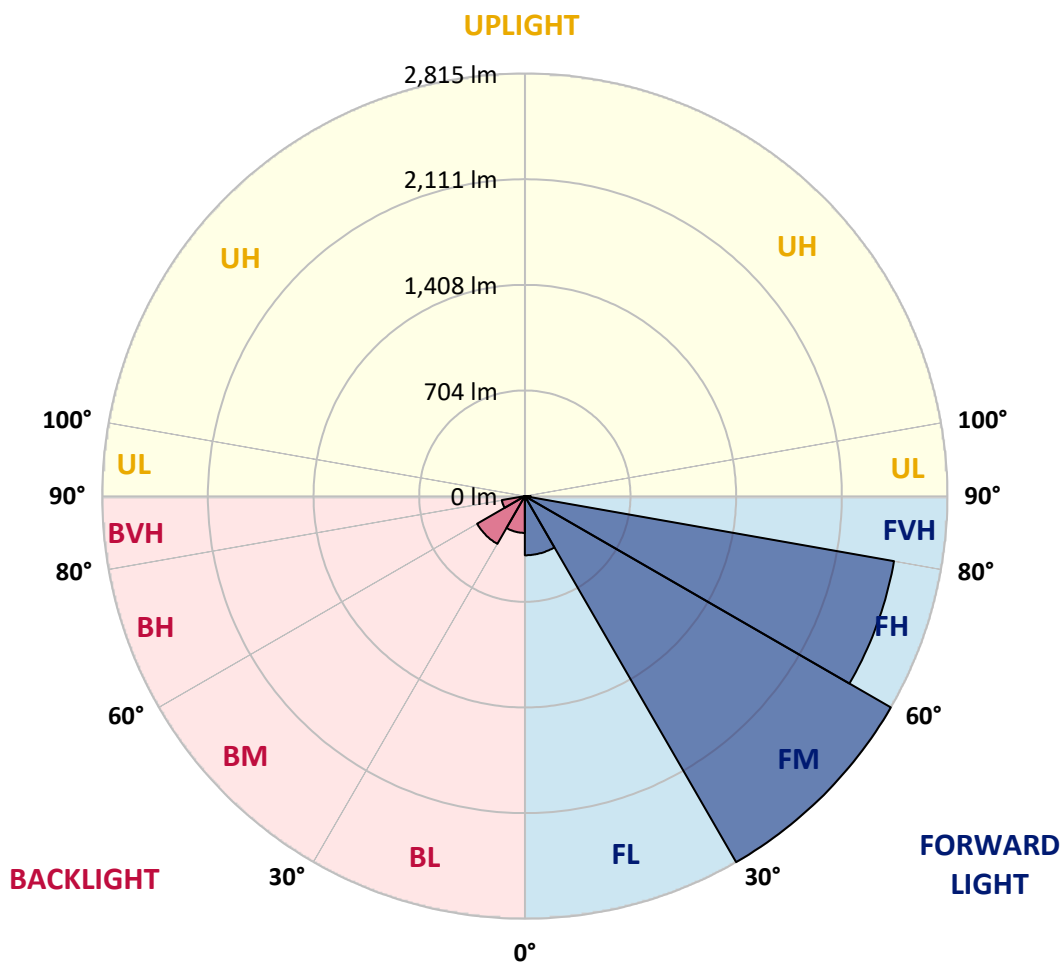
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	394.1	6.0			
FM (30°-60°)	2815.1	43.2			
FH (60°-80°)	2497.0	38.3			G2/5000
FVH (80°-90°)	39.7	0.6			G1/100
BL (0°-30°)	244.8	3.8	B1/500		
BM (30°-60°)	367.0	5.6	B1/1000		
BH (60°-80°)	155.3	2.4	B1/500		G1/500
BVH (80°-90°)	0.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	803.7	803.7	803.7	803.7	803.7	803.7	803.7	803.7	803.7	803.7	803.7
2.5°	792.0	787.1	792.0	798.7	792.0	797.0	795.4	800.4	793.7	793.7	798.7
5°	740.5	748.8	752.1	760.4	768.8	783.7	793.7	793.7	803.7	808.7	815.3
7.5°	722.2	708.8	722.2	728.8	737.1	762.1	777.1	783.7	797.0	815.3	825.3
10°	695.5	705.5	705.5	727.2	738.8	753.8	780.4	785.4	815.3	833.6	843.6
12.5°	693.9	693.9	702.2	717.2	740.5	768.8	802.0	792.0	823.7	856.9	873.6
15°	698.9	710.5	710.5	730.5	748.8	788.7	817.0	818.7	863.6	896.9	911.9
17.5°	720.5	715.5	722.2	733.8	762.1	800.4	847.0	852.0	903.5	948.5	970.1
20°	765.4	773.7	763.8	757.1	768.8	818.7	878.6	888.6	946.8	990.1	1011.7
22.5°	933.5	926.8	886.9	840.3	820.3	843.6	908.5	931.8	1000.0	1051.6	1069.9
25°	1123.2	1111.5	1064.9	995.1	903.5	893.5	968.4	968.4	1066.6	1123.2	1118.2
27.5°	1302.9	1299.6	1244.6	1171.4	1041.6	970.1	1016.7	1035.0	1141.5	1188.1	1166.4
30°	1485.9	1489.2	1439.3	1351.1	1214.7	1093.2	1084.9	1099.9	1198.1	1271.3	1226.3
32.5°	1698.9	1669.0	1634.0	1512.5	1387.7	1251.3	1173.1	1166.4	1261.3	1327.8	1267.9
35°	1888.6	1870.3	1832.0	1722.2	1579.1	1416.0	1306.2	1289.6	1341.2	1429.3	1364.5
37.5°	2055.0	2036.7	1986.8	1913.6	1802.1	1620.7	1466.0	1441.0	1462.6	1555.8	1477.6
40°	2198.1	2203.1	2189.8	2118.2	2015.1	1850.3	1672.3	1632.3	1614.0	1697.2	1609.1
42.5°	2301.3	2349.5	2352.8	2264.7	2181.5	2091.6	1891.9	1860.3	1817.0	1886.9	1825.4
45°	2517.6	2491.0	2507.6	2476.0	2384.5	2371.2	2144.9	2126.5	2066.6	2089.9	2025.0
47.5°	2687.3	2682.3	2713.9	2662.3	2637.4	2639.0	2432.7	2401.1	2316.2	2359.5	2286.3
50°	2785.5	2758.9	2873.7	2913.6	2908.6	2928.6	2723.9	2697.3	2615.8	2679.0	2522.6
52.5°	2808.8	2857.0	2965.2	3110.0	3171.5	3213.1	3041.7	3031.7	2943.6	2983.5	2767.2
55°	2867.0	2913.6	2976.8	3214.8	3442.7	3452.7	3354.6	3364.5	3286.3	3276.3	3000.1
57.5°	2865.3	2855.4	3030.1	3306.3	3622.5	3765.6	3712.3	3664.1	3579.2	3481.0	3149.9
60°	2760.5	2755.5	2936.9	3317.9	3720.6	4048.4	4070.1	4013.5	3800.5	3655.7	3326.3
62.5°	2552.5	2572.5	2755.5	3218.1	3813.8	4149.9	4229.8	4191.5	3927.0	3772.2	3534.3
65°	2314.6	2273.0	2486.0	2968.5	3604.1	4120.0	4293.0	4279.7	4076.7	3898.7	3725.6
67.5°	1857.0	1875.3	2038.4	2554.2	3246.4	4010.2	4441.1	4461.1	4196.5	4010.2	3783.9
70°	1176.4	1209.7	1379.4	1845.3	2650.7	3664.1	4574.2	4632.5	4291.4	4000.2	3614.1
72.5°	342.8	356.1	587.4	920.2	1688.9	2938.6	4361.3	4391.2	4106.7	3630.8	2795.5
75°	113.1	119.8	173.1	299.5	662.3	1519.2	3221.4	3362.9	3268.0	2632.4	1599.1
77.5°	74.9	78.2	94.8	143.1	251.3	475.9	1727.2	1878.6	1842.0	1233.0	515.8
80°	54.9	56.6	69.9	96.5	153.1	171.4	637.3	737.1	712.2	282.9	103.2
82.5°	34.9	34.9	51.6	68.2	96.5	84.9	184.7	204.7	199.7	108.2	39.9
85°	23.3	25.0	38.3	53.2	53.2	39.9	53.2	61.6	66.6	58.2	18.3
87.5°	6.7	8.3	21.6	36.6	21.6	20.0	18.3	20.0	23.3	31.6	10.0
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°	803.7	803.7	803.7	803.7	803.7	803.7	803.7	803.7	803.7	803.7	803.7
2.5°	803.7	810.4	808.7	812.0	807.0	802.0	807.0	807.0	807.0	802.0	798.7
5°	810.4	807.0	810.4	803.7	810.4	803.7	800.4	790.4	788.7	788.7	795.4
7.5°	820.3	823.7	808.7	808.7	793.7	797.0	788.7	790.4	787.1	782.1	778.7
10°	835.3	848.6	833.6	828.7	812.0	798.7	778.7	768.8	768.8	762.1	768.8
12.5°	876.9	871.9	863.6	847.0	827.0	800.4	752.1	703.9	663.9	634.0	648.9
15°	910.2	908.5	896.9	865.3	838.6	757.1	635.6	510.8	444.3	414.3	409.3
17.5°	961.8	956.8	936.8	895.2	807.0	627.3	436.0	331.1	266.2	251.3	246.3
20°	1010.0	1008.4	965.1	911.9	727.2	457.6	284.5	218.0	199.7	201.3	198.0
22.5°	1061.6	1053.3	1001.7	891.9	579.1	304.5	203.0	194.7	188.0	186.4	189.7
25°	1119.8	1089.9	1038.3	847.0	426.0	209.7	191.4	184.7	178.0	176.4	176.4
27.5°	1143.1	1123.2	1055.0	738.8	269.6	183.0	179.7	171.4	163.1	158.1	156.4
30°	1196.4	1163.1	1071.6	580.7	191.4	168.1	163.1	153.1	141.4	133.1	133.1
32.5°	1249.6	1209.7	1073.3	406.0	159.7	151.4	143.1	129.8	114.8	106.5	108.2
35°	1316.2	1261.3	1055.0	262.9	143.1	133.1	116.5	101.5	88.2	81.5	81.5
37.5°	1429.3	1377.8	980.1	173.1	129.8	113.1	96.5	79.9	68.2	63.2	63.2
40°	1572.4	1505.9	876.9	136.4	114.8	96.5	76.5	61.6	54.9	49.9	49.9
42.5°	1743.8	1660.6	723.8	121.5	101.5	79.9	59.9	48.3	41.6	41.6	39.9
45°	1915.2	1778.8	567.4	111.5	89.9	66.6	46.6	38.3	34.9	33.3	33.3
47.5°	2159.8	1921.9	406.0	101.5	78.2	51.6	38.3	31.6	28.3	26.6	28.3
50°	2394.4	2056.7	287.9	91.5	64.9	41.6	31.6	28.3	25.0	23.3	23.3
52.5°	2600.8	2149.8	201.3	79.9	54.9	34.9	28.3	25.0	23.3	21.6	21.6
55°	2713.9	2118.2	138.1	68.2	44.9	30.0	25.0	21.6	20.0	18.3	18.3
57.5°	2830.4	2030.0	104.8	56.6	36.6	28.3	23.3	20.0	18.3	16.6	16.6
60°	2928.6	1965.1	81.5	44.9	30.0	23.3	20.0	16.6	15.0	13.3	11.6
62.5°	2933.6	1835.4	59.9	33.3	23.3	20.0	16.6	13.3	8.3	6.7	5.0
65°	2953.5	1698.9	43.3	25.0	16.6	15.0	11.6	6.7	3.3	0.0	0.0
67.5°	2883.7	1537.5	34.9	18.3	11.6	8.3	5.0	1.7	0.0	0.0	0.0
70°	2599.1	1297.9	26.6	13.3	8.3	5.0	1.7	0.0	0.0	0.0	0.0
72.5°	1860.3	843.6	18.3	10.0	3.3	1.7	0.0	0.0	0.0	0.0	0.0
75°	991.7	359.4	13.3	6.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	311.2	91.5	8.3	3.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	68.2	25.0	5.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	23.3	10.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	8.3	3.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.3	1.7	1.7	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)