

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: P676427

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

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676427
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2D-740-U-T3-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @800mA w/
T3 distribution lens and House Side Shield
Light Source: (32) 4000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

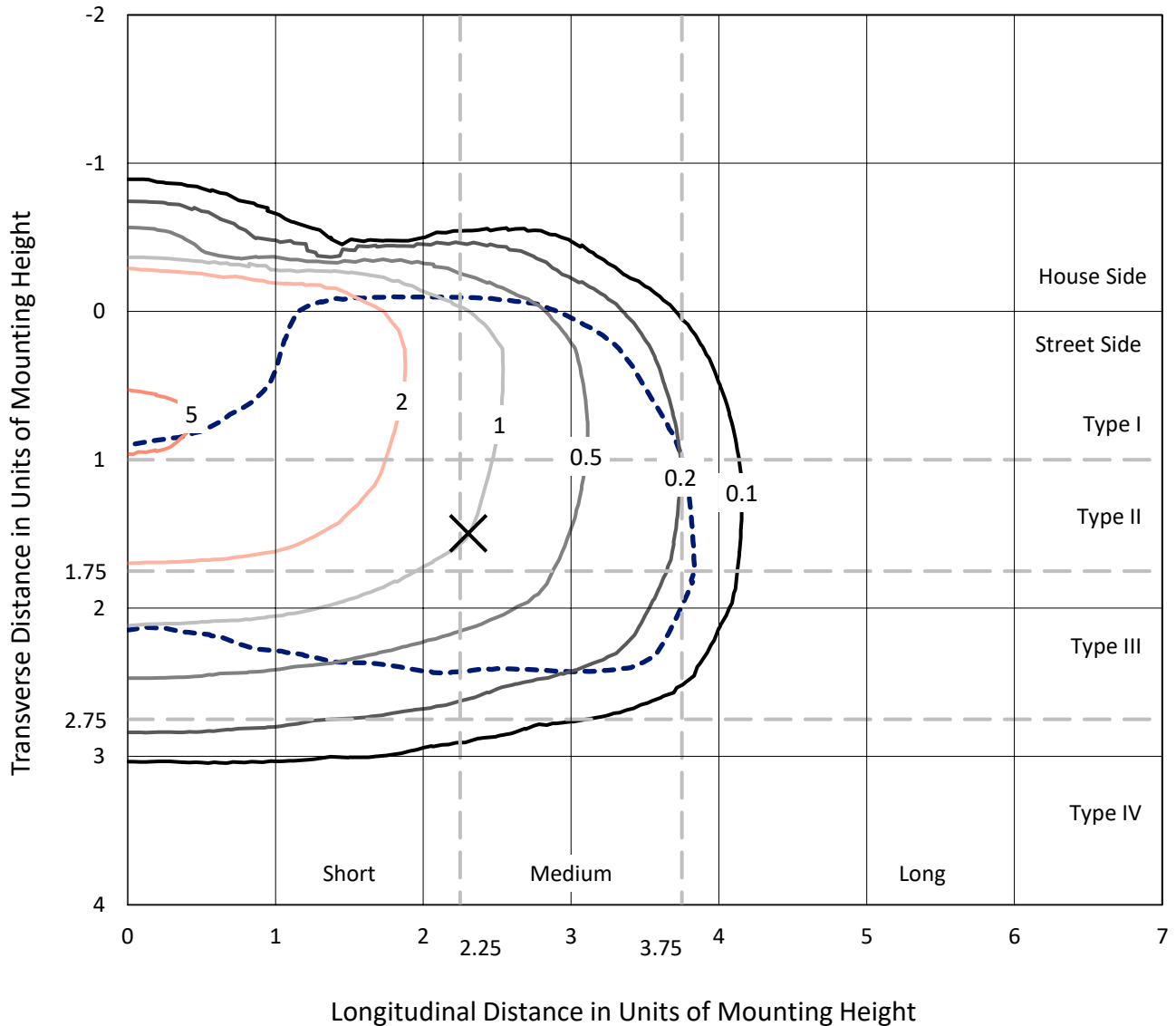
Lumens per Lamp: N/A
Luminaire Lumens: 8034.6 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 80.8
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

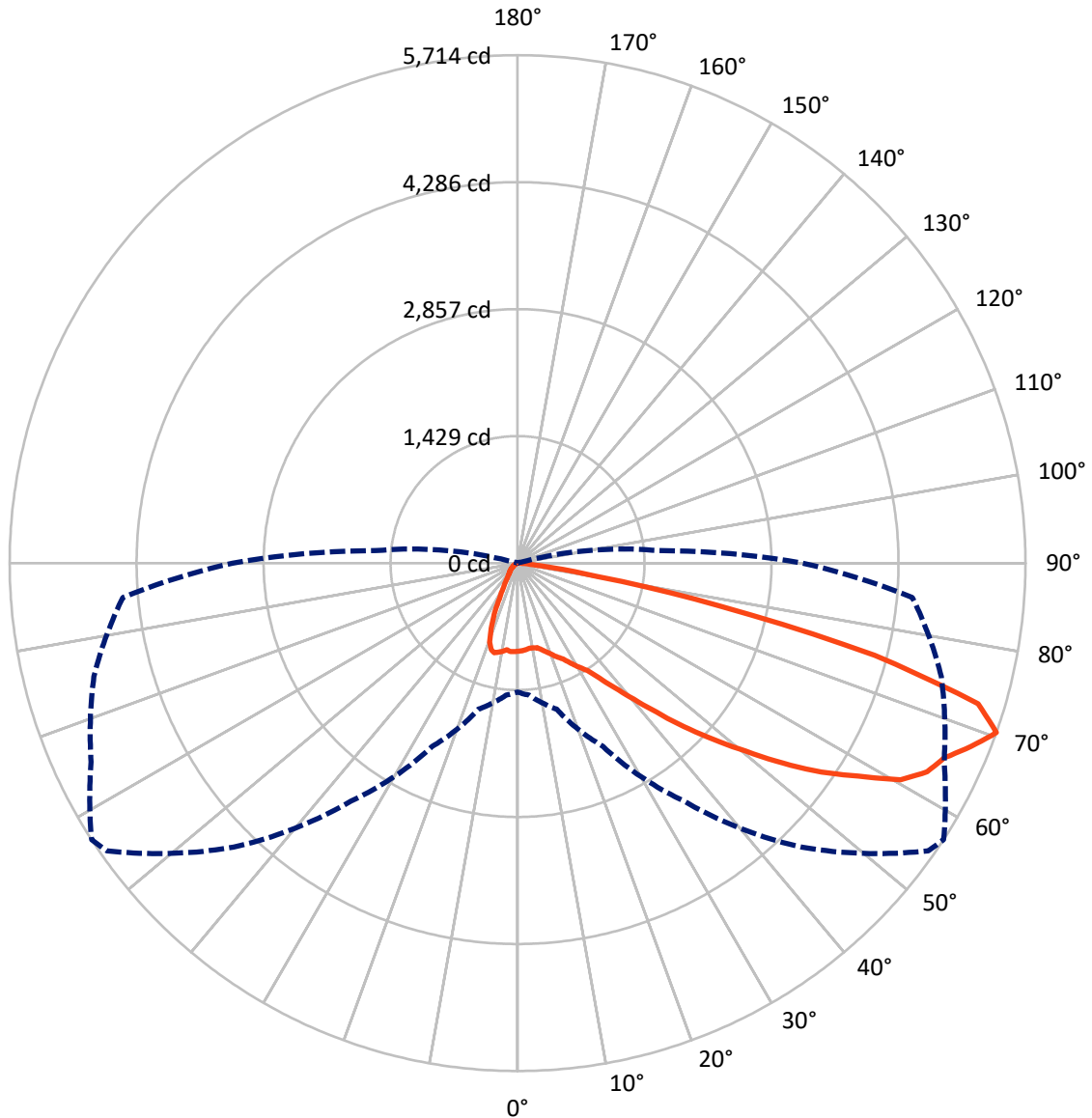
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.7 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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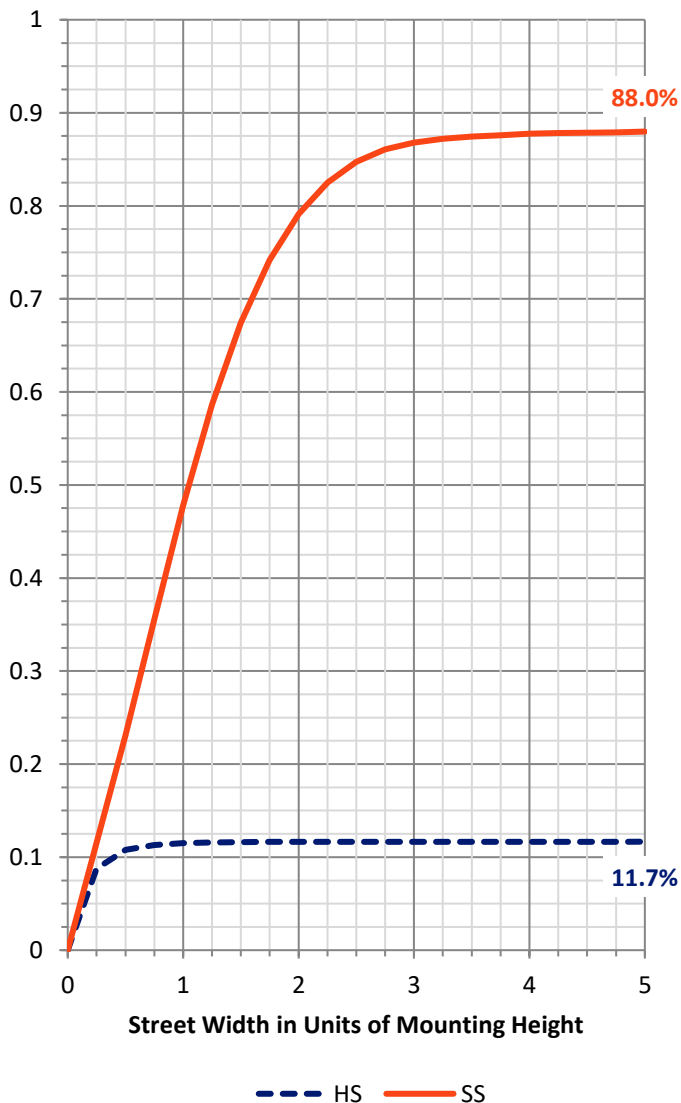
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	947.1	0.0	947.1
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	7087.5	0.0	7087.5
	% Fixture	88.2	0.0	88.2
Total	Lumens	8034.6	0.0	8034.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.7	1.2
10°-20°	259.0	3.2
20°-30°	436.3	5.4
30°-40°	746.7	9.3
40°-50°	1253.8	15.6
50°-60°	1924.6	24.0
60°-70°	2222.0	27.7
70°-80°	1049.6	13.1
80°-90°	49.8	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°	8034.6	100.0
0°-180°	8034.6	100.0



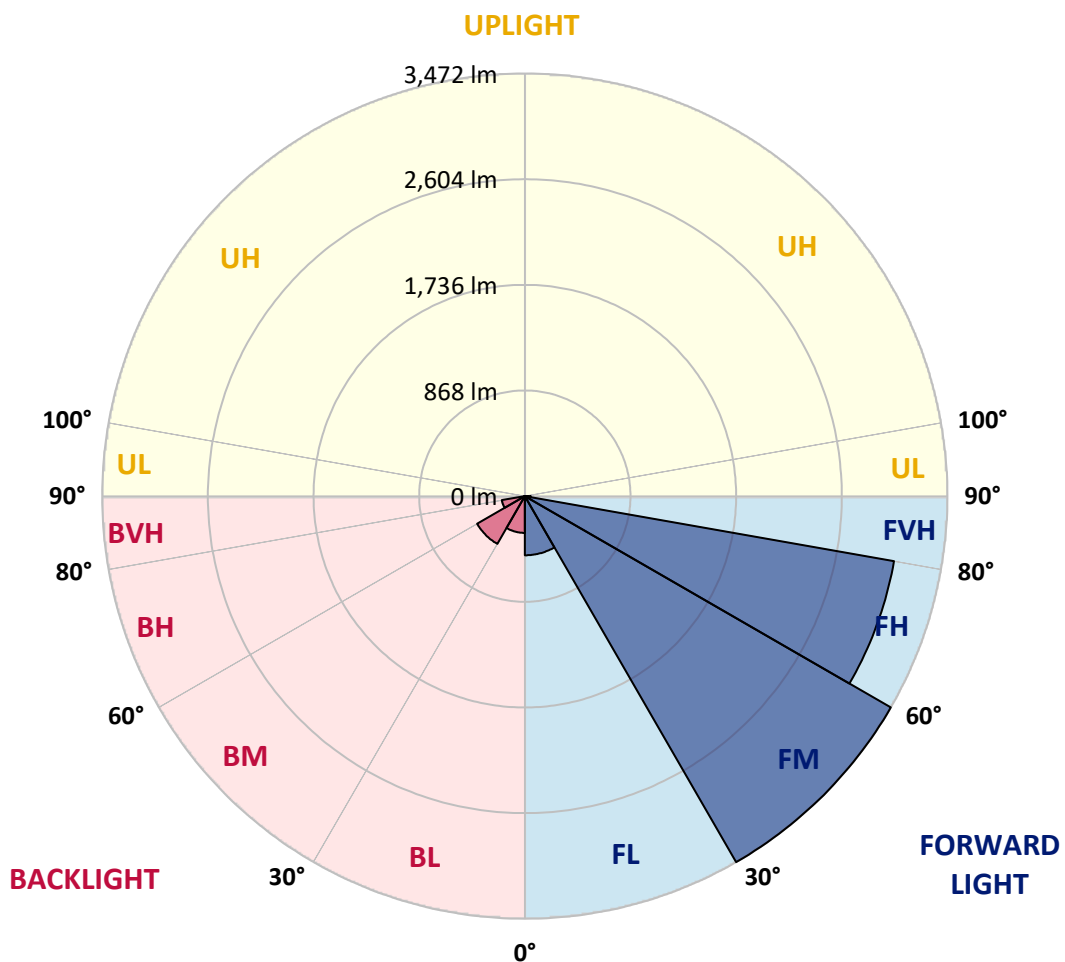
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	486.1	6.0			
FM (30°-60°)	3472.4	43.2			
FH (60°-80°)	3080.1	38.3			G2/5000
FVH (80°-90°)	48.9	0.6			G1/100
BL (0°-30°)	301.9	3.8	B1/500		
BM (30°-60°)	452.7	5.6	B1/1000		
BH (60°-80°)	191.6	2.4	B1/500		G1/500
BVH (80°-90°)	0.9	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°	991.4	991.4	991.4	991.4	991.4	991.4	991.4	991.4	991.4	991.4	991.4
2.5°	977.0	970.8	977.0	985.2	977.0	983.2	981.1	987.3	979.0	979.0	985.2
5°	913.4	923.6	927.7	938.0	948.3	966.7	979.0	979.0	991.4	997.5	1005.7
7.5°	890.8	874.4	890.8	899.0	909.3	940.1	958.5	966.7	983.2	1005.7	1018.0
10°	858.0	870.3	870.3	896.9	911.3	929.8	962.6	968.8	1005.7	1028.3	1040.6
12.5°	855.9	855.9	866.2	884.6	913.4	948.3	989.3	977.0	1016.0	1057.0	1077.6
15°	862.1	876.4	876.4	901.1	923.6	972.9	1007.8	1009.8	1065.3	1106.3	1124.8
17.5°	888.7	882.6	890.8	905.2	940.1	987.3	1044.7	1050.9	1114.5	1169.9	1196.6
20°	944.2	954.4	942.1	933.9	948.3	1009.8	1083.7	1096.0	1167.9	1221.2	1247.9
22.5°	1151.5	1143.2	1094.0	1036.5	1011.9	1040.6	1120.7	1149.4	1233.6	1297.2	1319.8
25°	1385.4	1371.1	1313.6	1227.4	1114.5	1102.2	1194.6	1194.6	1315.7	1385.4	1379.3
27.5°	1607.1	1603.0	1535.3	1445.0	1284.9	1196.6	1254.1	1276.7	1408.0	1465.5	1438.8
30°	1832.9	1837.0	1775.4	1666.6	1498.3	1348.5	1338.2	1356.7	1477.8	1568.1	1512.7
32.5°	2095.6	2058.7	2015.6	1865.7	1711.8	1543.5	1447.0	1438.8	1555.8	1637.9	1564.0
35°	2329.6	2307.0	2259.8	2124.4	1947.8	1746.7	1611.2	1590.7	1654.3	1763.1	1683.1
37.5°	2534.9	2512.3	2450.7	2360.4	2222.9	1999.1	1808.3	1777.5	1804.2	1919.1	1822.6
40°	2711.4	2717.5	2701.1	2612.8	2485.6	2282.4	2062.8	2013.5	1990.9	2093.6	1984.8
42.5°	2838.6	2898.1	2902.3	2793.5	2690.8	2580.0	2333.7	2294.7	2241.3	2327.5	2251.6
45°	3105.5	3072.6	3093.1	3054.1	2941.3	2924.8	2645.7	2623.1	2549.2	2578.0	2497.9
47.5°	3314.8	3308.7	3347.6	3284.0	3253.2	3255.3	3000.8	2961.8	2857.1	2910.5	2820.2
50°	3435.9	3403.1	3544.7	3593.9	3587.8	3612.4	3360.0	3327.1	3226.6	3304.5	3111.6
52.5°	3464.6	3524.2	3657.6	3836.1	3912.1	3963.4	3752.0	3739.7	3630.9	3680.2	3413.3
55°	3536.5	3593.9	3671.9	3965.5	4246.6	4259.0	4137.9	4150.2	4053.7	4041.4	3700.7
57.5°	3534.4	3522.1	3737.6	4078.3	4468.3	4644.8	4579.2	4519.6	4415.0	4293.9	3885.4
60°	3405.1	3399.0	3622.7	4092.7	4589.4	4993.8	5020.4	4950.7	4687.9	4509.4	4103.0
62.5°	3148.6	3173.2	3399.0	3969.6	4704.4	5119.0	5217.5	5170.3	4843.9	4653.0	4359.5
65°	2855.0	2803.7	3066.5	3661.7	4445.7	5082.0	5295.5	5279.1	5028.7	4809.0	4595.6
67.5°	2290.6	2313.2	2514.3	3150.6	4004.5	4946.6	5478.2	5502.8	5176.4	4946.6	4667.4
70°	1451.1	1492.2	1701.5	2276.2	3269.7	4519.6	5642.4	5714.2	5293.4	4934.2	4458.1
72.5°	422.8	439.2	724.5	1135.0	2083.3	3624.7	5379.6	5416.6	5065.6	4478.6	3448.2
75°	139.6	147.8	213.5	369.5	816.9	1873.9	3973.7	4148.1	4031.1	3247.1	1972.5
77.5°	92.4	96.5	117.0	176.5	309.9	587.0	2130.5	2317.3	2272.1	1520.9	636.3
80°	67.7	69.8	86.2	119.0	188.8	211.4	786.1	909.3	878.5	348.9	127.3
82.5°	43.1	43.1	63.6	84.2	119.0	104.7	227.8	252.5	246.3	133.4	49.3
85°	28.7	30.8	47.2	65.7	65.7	49.3	65.7	75.9	82.1	71.8	22.6
87.5°	8.2	10.3	26.7	45.2	26.7	24.6	22.6	24.6	28.7	39.0	12.3
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°	991.4	991.4	991.4	991.4	991.4	991.4	991.4	991.4	991.4	991.4	991.4
2.5°	991.4	999.6	997.5	1001.6	995.5	989.3	995.5	995.5	995.5	989.3	985.2
5°	999.6	995.5	999.6	991.4	999.6	991.4	987.3	974.9	972.9	972.9	981.1
7.5°	1011.9	1016.0	997.5	997.5	979.0	983.2	972.9	974.9	970.8	964.7	960.6
10°	1030.4	1046.8	1028.3	1022.2	1001.6	985.2	960.6	948.3	948.3	940.1	948.3
12.5°	1081.7	1075.5	1065.3	1044.7	1020.1	987.3	927.7	868.2	819.0	782.0	800.5
15°	1122.7	1120.7	1106.3	1067.3	1034.5	933.9	784.1	630.1	548.0	511.1	504.9
17.5°	1186.4	1180.2	1155.6	1104.3	995.5	773.8	537.8	408.5	328.4	309.9	303.8
20°	1245.9	1243.8	1190.5	1124.8	896.9	564.4	351.0	268.9	246.3	248.4	244.2
22.5°	1309.5	1299.2	1235.6	1100.1	714.3	375.6	250.4	240.1	231.9	229.9	234.0
25°	1381.3	1344.4	1280.8	1044.7	525.4	258.6	236.0	227.8	219.6	217.6	217.6
27.5°	1410.1	1385.4	1301.3	911.3	332.5	225.8	221.7	211.4	201.1	195.0	192.9
30°	1475.8	1434.7	1321.8	716.3	236.0	207.3	201.1	188.8	174.5	164.2	164.2
32.5°	1541.4	1492.2	1323.9	500.8	197.0	186.8	176.5	160.1	141.6	131.4	133.4
35°	1623.5	1555.8	1301.3	324.3	176.5	164.2	143.7	125.2	108.8	100.6	100.6
37.5°	1763.1	1699.5	1208.9	213.5	160.1	139.6	119.0	98.5	84.2	78.0	78.0
40°	1939.6	1857.5	1081.7	168.3	141.6	119.0	94.4	75.9	67.7	61.6	61.6
42.5°	2151.0	2048.4	892.8	149.8	125.2	98.5	73.9	59.5	51.3	51.3	49.3
45°	2362.4	2194.1	699.9	137.5	110.8	82.1	57.5	47.2	43.1	41.1	41.1
47.5°	2664.2	2370.7	500.8	125.2	96.5	63.6	47.2	39.0	34.9	32.8	34.9
50°	2953.6	2536.9	355.1	112.9	80.0	51.3	39.0	34.9	30.8	28.7	28.7
52.5°	3208.1	2651.8	248.4	98.5	67.7	43.1	34.9	30.8	28.7	26.7	26.7
55°	3347.6	2612.8	170.4	84.2	55.4	36.9	30.8	26.7	24.6	22.6	22.6
57.5°	3491.3	2504.1	129.3	69.8	45.2	34.9	28.7	24.6	22.6	20.5	20.5
60°	3612.4	2424.0	100.6	55.4	36.9	28.7	24.6	20.5	18.5	16.4	14.4
62.5°	3618.6	2263.9	73.9	41.1	28.7	24.6	20.5	16.4	10.3	8.2	6.2
65°	3643.2	2095.6	53.4	30.8	20.5	18.5	14.4	8.2	4.1	0.0	0.0
67.5°	3557.0	1896.5	43.1	22.6	14.4	10.3	6.2	2.1	0.0	0.0	0.0
70°	3206.0	1601.0	32.8	16.4	10.3	6.2	2.1	0.0	0.0	0.0	0.0
72.5°	2294.7	1040.6	22.6	12.3	4.1	2.1	0.0	0.0	0.0	0.0	0.0
75°	1223.3	443.3	16.4	8.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	383.8	112.9	10.3	4.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
80°	84.2	30.8	6.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	28.7	12.3	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.3	4.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.1	2.1	2.1	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)