

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: P676672

Luminaire Tested: **CCW-SA-2E-722-U-T4W-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676672
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2E-722-U-T4W-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @1050mA w/
T4W distribution lens and House Side Shield
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

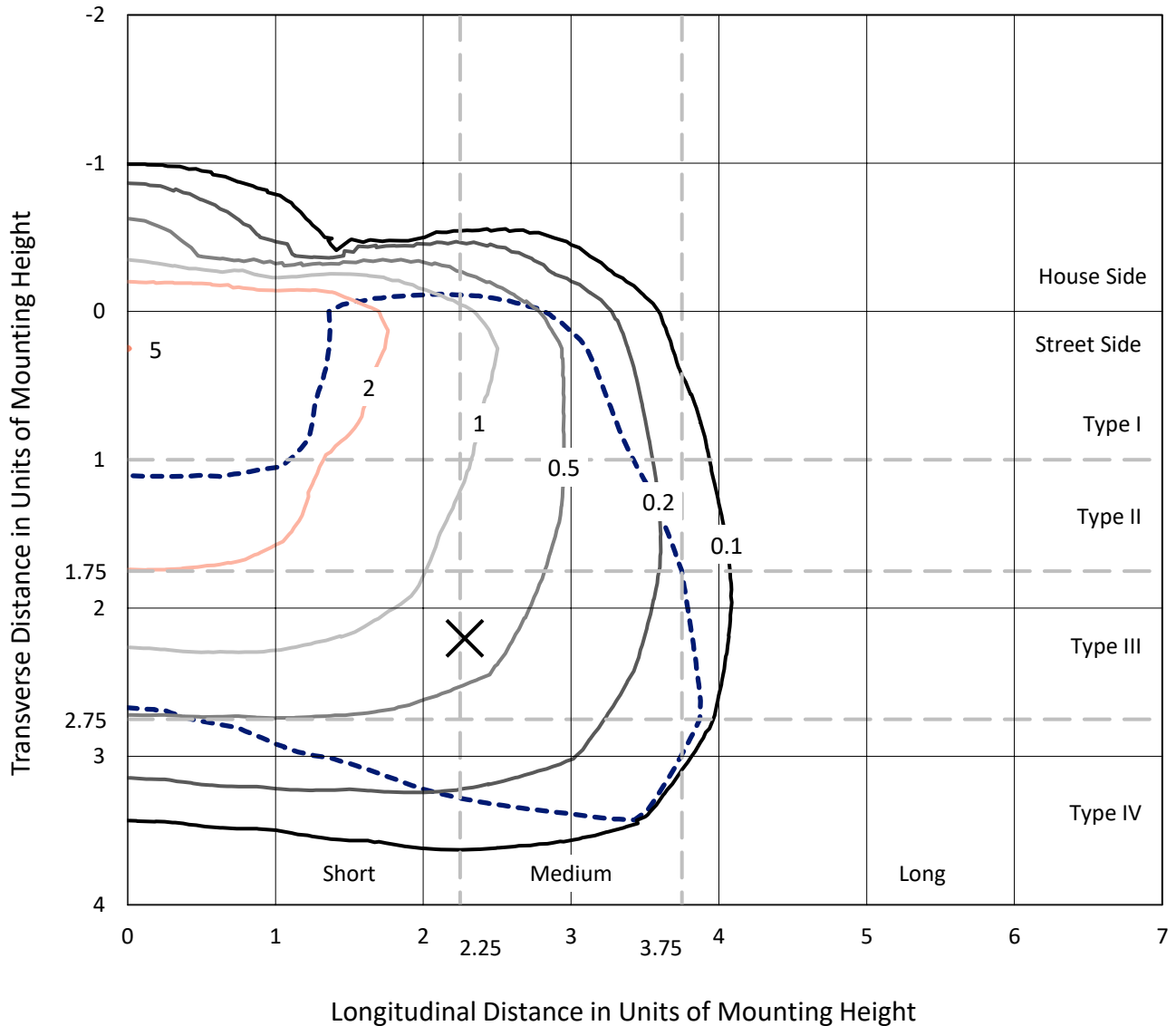
Lumens per Lamp: N/A
Luminaire Lumens: 7266.4 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 106.6
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

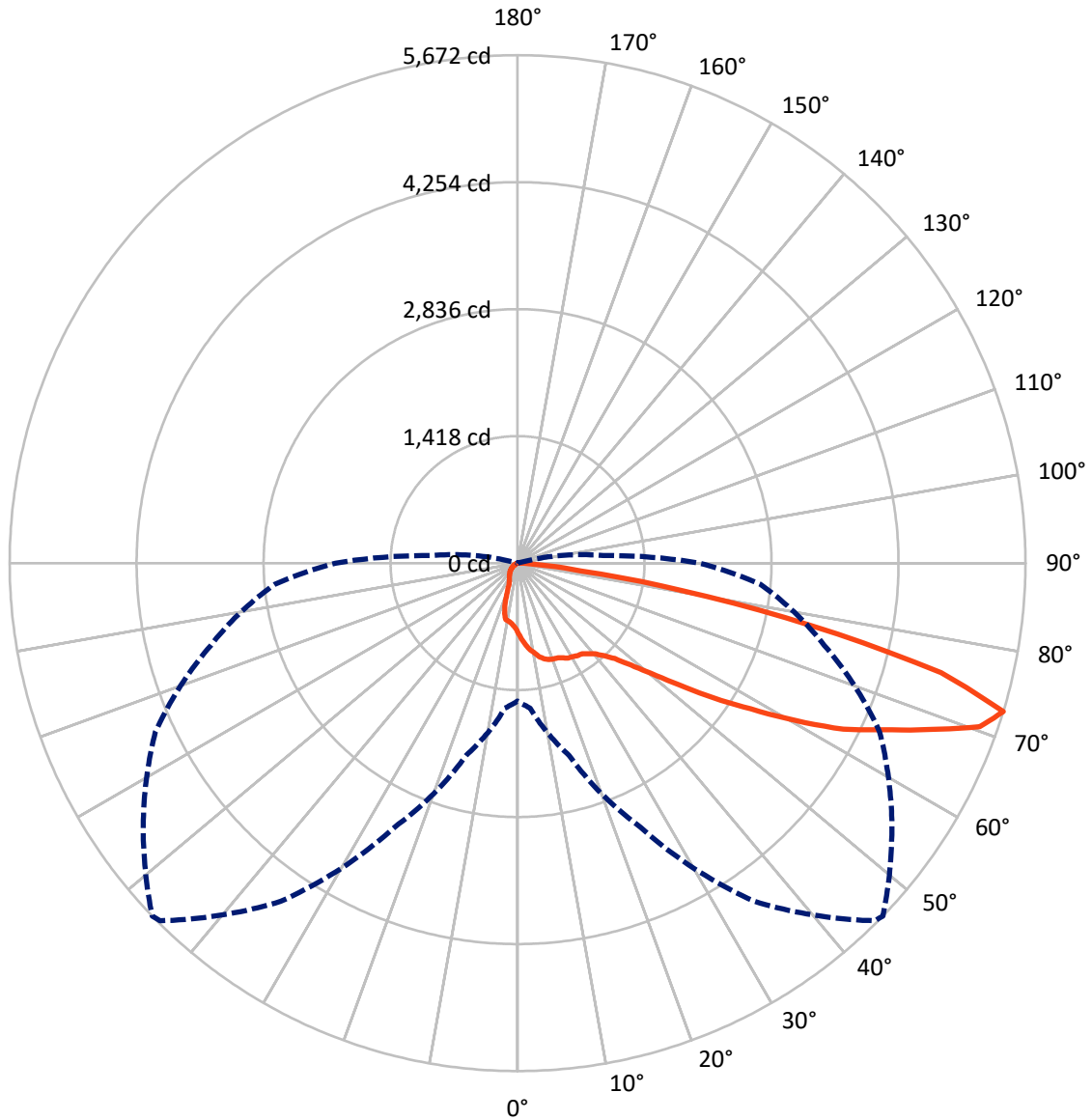
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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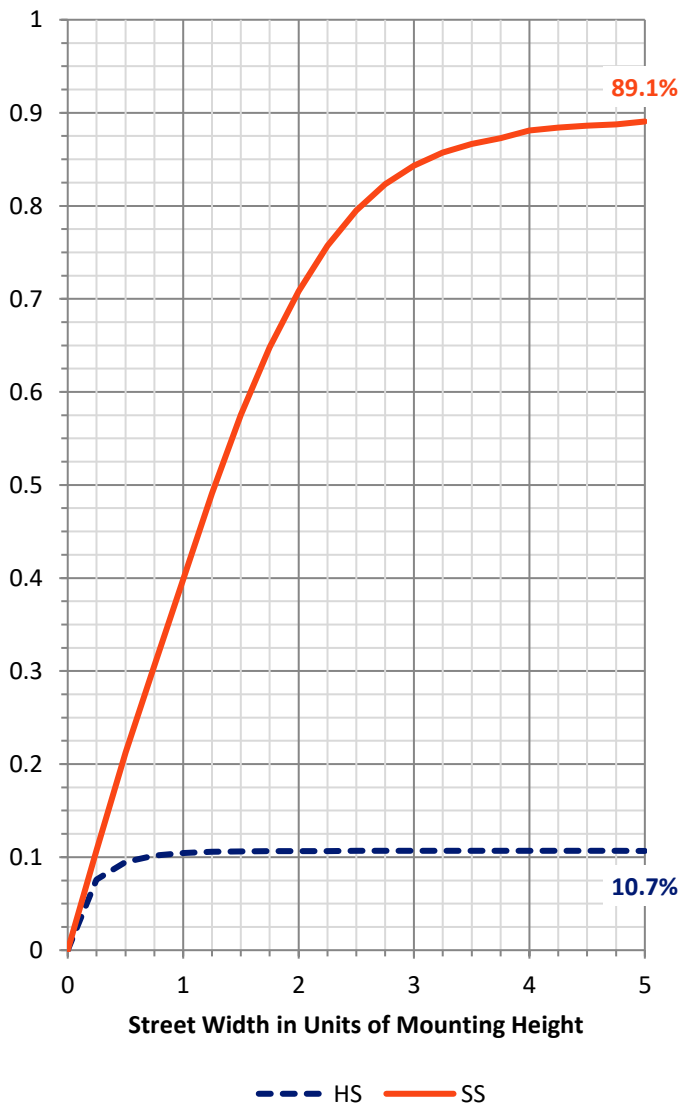
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	782.3	0.0	782.3
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	6484.1	0.0	6484.1
	% Fixture	89.2	0.0	89.2
Total	Lumens	7266.4	0.0	7266.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.7	1.1
10°-20°	234.7	3.2
20°-30°	367.4	5.1
30°-40°	514.5	7.1
40°-50°	848.4	11.7
50°-60°	1524.9	21.0
60°-70°	2210.2	30.4
70°-80°	1379.4	19.0
80°-90°	109.3	1.5
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°	7266.4	100.0
0°-180°	7266.4	100.0



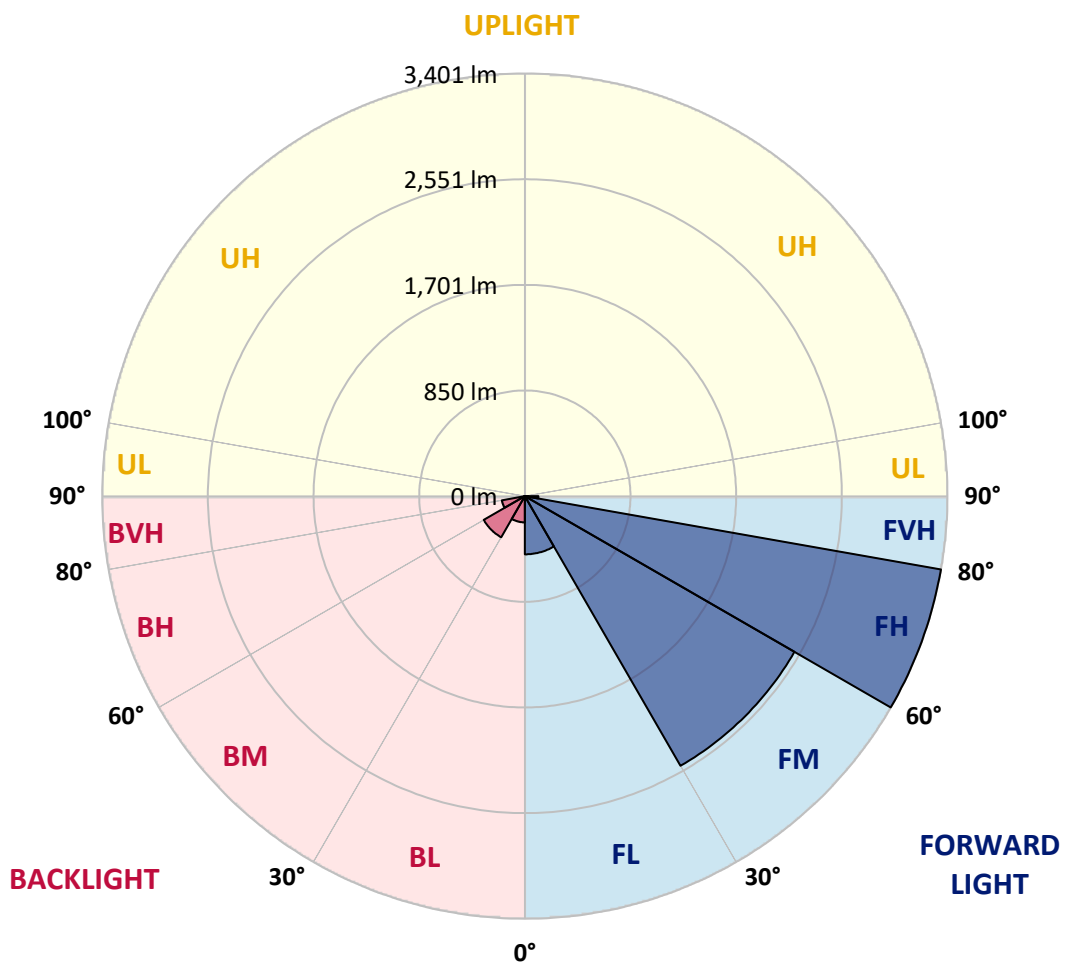
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	468.4	6.4			
FM (30°-60°)	2505.6	34.5			
FH (60°-80°)	3401.4	46.8			G2/5000
FVH (80°-90°)	108.7	1.5			G2/225
BL (0°-30°)	211.4	2.9	B1/500		
BM (30°-60°)	382.2	5.3	B1/1000		
BH (60°-80°)	188.1	2.6	B1/500		G1/500
BVH (80°-90°)	0.6	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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	776.6	776.6	776.6	776.6	776.6	776.6	776.6	776.6	776.6	776.6	776.6
2.5°	869.3	865.6	871.1	869.3	847.0	850.7	848.9	834.1	808.1	793.3	784.0
5°	969.4	978.6	971.2	954.5	941.6	915.6	911.9	887.8	847.0	821.1	793.3
7.5°	1073.2	1073.2	1058.3	1032.4	1004.6	976.8	973.1	932.3	897.1	852.6	813.7
10°	1151.0	1141.7	1130.6	1102.8	1071.3	1034.2	1015.7	986.0	947.1	893.4	843.3
12.5°	1219.6	1204.8	1186.2	1145.4	1108.4	1067.6	1071.3	1023.1	997.2	949.0	874.8
15°	1258.5	1245.5	1228.9	1191.8	1134.3	1115.8	1108.4	1078.7	1032.4	984.2	913.8
17.5°	1267.8	1258.5	1236.3	1188.1	1156.6	1134.3	1132.5	1097.3	1076.9	1036.1	958.2
20°	1249.2	1232.6	1215.9	1184.4	1154.7	1147.3	1141.7	1141.7	1115.8	1062.0	986.0
22.5°	1217.7	1199.2	1189.9	1171.4	1147.3	1145.4	1149.2	1145.4	1125.1	1089.8	1015.7
25°	1193.6	1184.4	1169.5	1164.0	1149.2	1177.0	1171.4	1165.8	1160.3	1119.5	1062.0
27.5°	1201.1	1199.2	1188.1	1165.8	1154.7	1184.4	1201.1	1202.9	1201.1	1160.3	1104.7
30°	1204.8	1195.5	1184.4	1178.8	1182.5	1212.2	1212.2	1252.9	1236.3	1195.5	1147.3
32.5°	1247.4	1241.8	1204.8	1191.8	1193.6	1228.9	1230.7	1271.5	1265.9	1238.1	1184.4
35°	1338.2	1301.1	1247.4	1210.3	1210.3	1256.7	1241.8	1301.1	1316.0	1271.5	1210.3
37.5°	1473.5	1445.7	1349.3	1265.9	1234.4	1267.8	1282.6	1316.0	1360.5	1321.5	1262.2
40°	1742.3	1736.7	1599.5	1419.8	1295.6	1325.2	1330.8	1382.7	1412.3	1358.6	1341.9
42.5°	2135.2	2107.4	1979.5	1695.9	1406.8	1393.8	1414.2	1447.6	1518.0	1473.5	1432.7
45°	2518.9	2505.9	2378.0	2061.1	1608.8	1531.0	1519.8	1579.2	1683.0	1634.8	1603.3
47.5°	2796.9	2770.9	2698.7	2431.8	1905.4	1692.2	1699.6	1758.9	1890.5	1853.5	1862.7
50°	3010.0	2997.1	2921.1	2774.7	2279.8	1946.1	1931.3	1990.6	2168.6	2192.7	2218.6
52.5°	3243.6	3267.7	3165.7	3041.6	2722.8	2287.2	2253.8	2274.2	2504.0	2559.6	2631.9
55°	3467.9	3506.8	3404.8	3388.2	3186.1	2665.3	2659.7	2611.5	2908.1	2915.5	2954.4
57.5°	3614.3	3601.3	3593.9	3684.7	3649.5	3099.0	3071.2	3023.0	3291.8	3243.6	3360.3
60°	3625.4	3662.5	3786.6	4010.9	4073.9	3608.7	3567.9	3436.3	3623.5	3508.6	3731.0
62.5°	3708.8	3738.5	3968.3	4277.8	4359.4	4057.3	4085.1	3751.4	3907.1	3816.3	4142.5
65°	3497.5	3590.2	4051.7	4485.4	4733.8	4511.4	4483.6	4157.3	4198.1	4112.9	4548.4
67.5°	3306.6	3341.8	3823.7	4548.4	5030.3	4967.3	4956.2	4516.9	4498.4	4340.8	4663.3
70°	2687.5	2730.2	3206.5	4225.9	5130.4	5499.3	5473.3	5021.1	4702.3	4216.7	4073.9
72.5°	1540.2	1625.5	2222.3	3254.7	4609.6	5647.5	5671.6	5102.6	4461.3	3545.7	2720.9
75°	504.1	528.2	923.0	1844.2	3447.5	4926.5	4883.9	4385.3	3599.4	2340.9	1228.9
77.5°	170.5	174.2	272.5	667.3	1910.9	3328.8	3352.9	3134.2	2211.2	973.1	339.2
80°	87.1	92.7	133.5	250.2	785.9	1812.7	1851.6	1786.7	926.7	287.3	81.6
82.5°	40.8	42.6	77.8	139.0	359.6	711.7	711.7	782.2	328.1	161.3	33.4
85°	14.8	14.8	40.8	79.7	152.0	237.2	239.1	241.0	172.4	120.5	14.8
87.5°	5.6	5.6	20.4	33.4	55.6	72.3	72.3	57.5	87.1	79.7	5.6
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°	776.6	776.6	776.6	776.6	776.6	776.6	776.6	776.6	776.6	776.6	776.6
2.5°	780.3	769.2	759.9	747.0	730.3	721.0	722.9	711.7	711.7	706.2	704.3
5°	780.3	769.2	745.1	722.9	708.0	689.5	680.2	672.8	672.8	669.1	671.0
7.5°	785.9	769.2	735.8	706.2	682.1	663.5	648.7	646.9	643.2	633.9	641.3
10°	819.2	795.1	739.5	698.8	671.0	650.6	624.6	617.2	606.1	589.4	591.3
12.5°	847.0	815.5	765.5	709.9	674.7	641.3	582.0	517.1	489.3	459.7	461.5
15°	887.8	843.3	774.8	724.7	674.7	567.2	459.7	376.3	331.8	309.5	309.5
17.5°	910.1	873.0	800.7	734.0	620.9	461.5	326.2	253.9	246.5	250.2	250.2
20°	956.4	906.3	830.4	741.4	531.9	328.1	239.1	231.7	235.4	242.8	241.0
22.5°	986.0	936.0	852.6	708.0	411.5	235.4	224.3	220.6	224.3	233.5	233.5
25°	1010.1	978.6	887.8	626.5	291.0	213.1	209.4	213.1	216.9	220.6	226.1
27.5°	1069.5	1015.7	911.9	520.8	209.4	198.3	202.0	203.9	203.9	209.4	211.3
30°	1108.4	1065.7	930.4	402.2	185.3	183.5	187.2	189.1	190.9	196.5	198.3
32.5°	1145.4	1130.6	906.3	272.5	174.2	170.5	168.7	170.5	177.9	183.5	181.6
35°	1199.2	1189.9	871.1	189.1	163.1	155.7	152.0	153.8	159.4	165.0	163.1
37.5°	1264.1	1273.3	785.9	165.0	152.0	142.7	135.3	135.3	137.2	142.7	144.6
40°	1340.1	1364.2	685.8	153.8	144.6	133.5	126.0	116.8	114.9	113.1	114.9
42.5°	1479.1	1506.9	572.7	146.4	133.5	120.5	109.4	98.2	89.0	83.4	83.4
45°	1673.7	1651.4	424.4	139.0	127.9	109.4	92.7	79.7	66.7	61.2	61.2
47.5°	1942.4	1866.4	291.0	131.6	118.6	96.4	77.8	61.2	50.0	44.5	44.5
50°	2315.0	2064.8	189.1	124.2	113.1	83.4	63.0	44.5	37.1	35.2	37.1
52.5°	2667.1	2266.8	150.1	114.9	101.9	72.3	48.2	37.1	33.4	31.5	31.5
55°	2991.5	2368.7	133.5	105.6	92.7	59.3	40.8	31.5	29.7	27.8	27.8
57.5°	3265.8	2404.0	114.9	92.7	74.1	46.3	33.4	27.8	24.1	22.2	22.2
60°	3503.1	2413.2	89.0	74.1	53.8	35.2	27.8	24.1	20.4	16.7	16.7
62.5°	3692.1	2348.4	63.0	51.9	37.1	27.8	24.1	16.7	11.1	7.4	5.6
65°	3842.3	2218.6	42.6	35.2	24.1	20.4	14.8	7.4	1.9	0.0	0.0
67.5°	3666.2	1923.9	33.4	25.9	16.7	13.0	7.4	1.9	0.0	0.0	0.0
70°	2989.7	1492.0	24.1	16.7	11.1	3.7	1.9	0.0	0.0	0.0	0.0
72.5°	2035.1	962.0	18.5	11.1	5.6	1.9	0.0	0.0	0.0	0.0	0.0
75°	913.8	344.7	13.0	7.4	1.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	222.4	81.6	9.3	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	59.3	20.4	5.6	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	22.2	7.4	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	9.3	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.7	1.9	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)