

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: P180012

Luminaire Tested: **ICM-F06-LED-E1-5MQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180012
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F06-LED-E1-5MQ-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13566.8 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B4 - U0 - G2

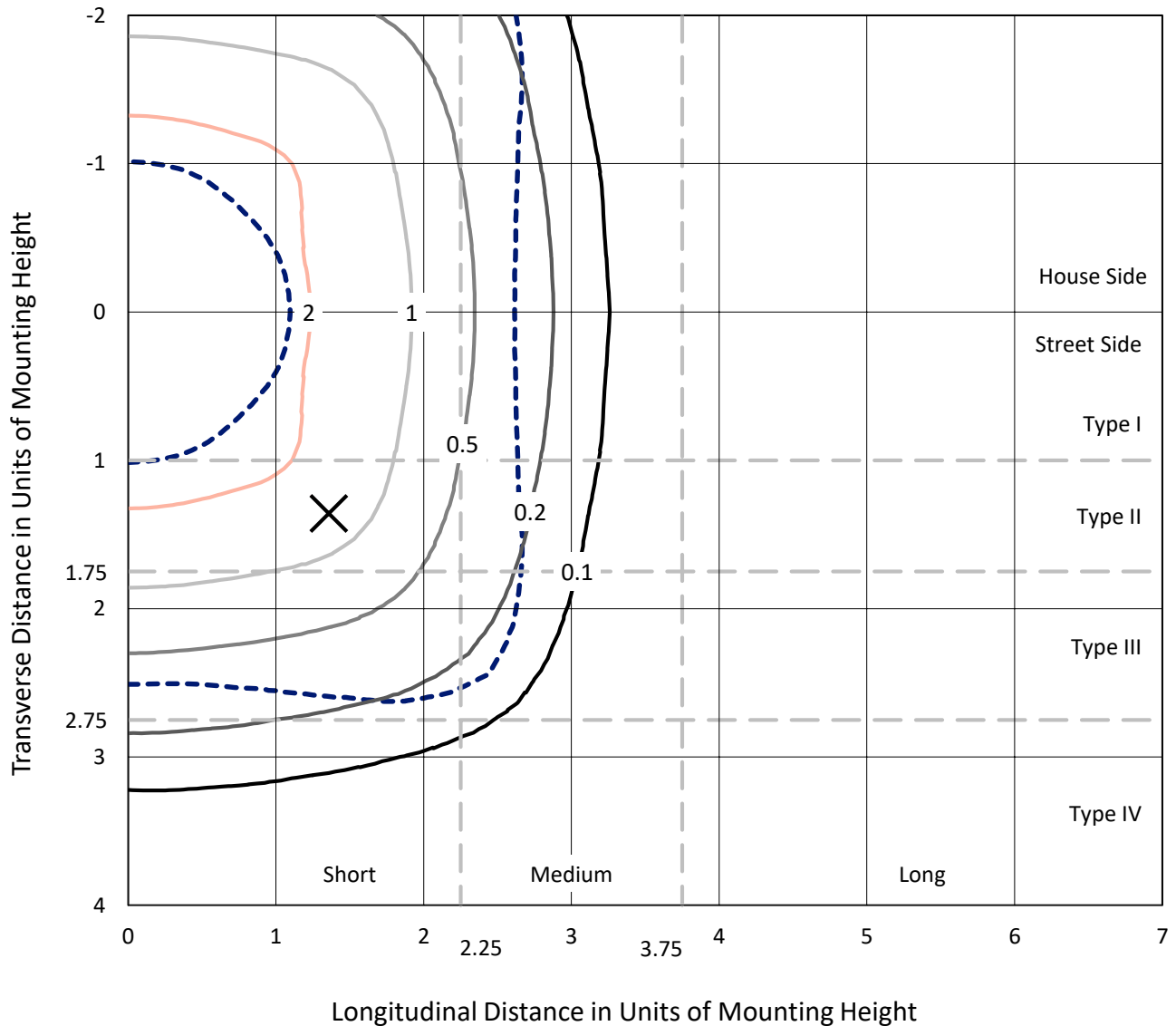
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

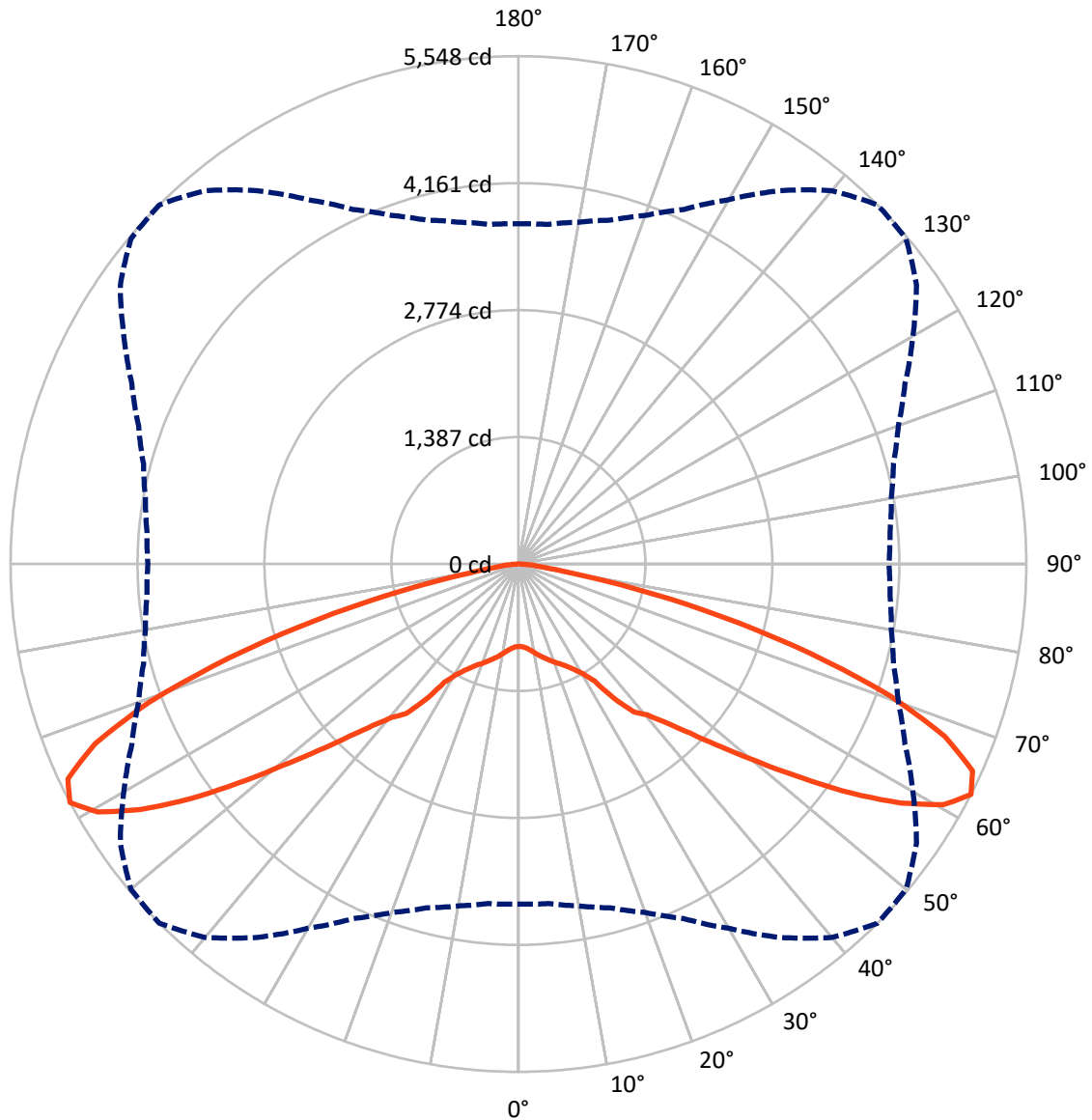
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.5 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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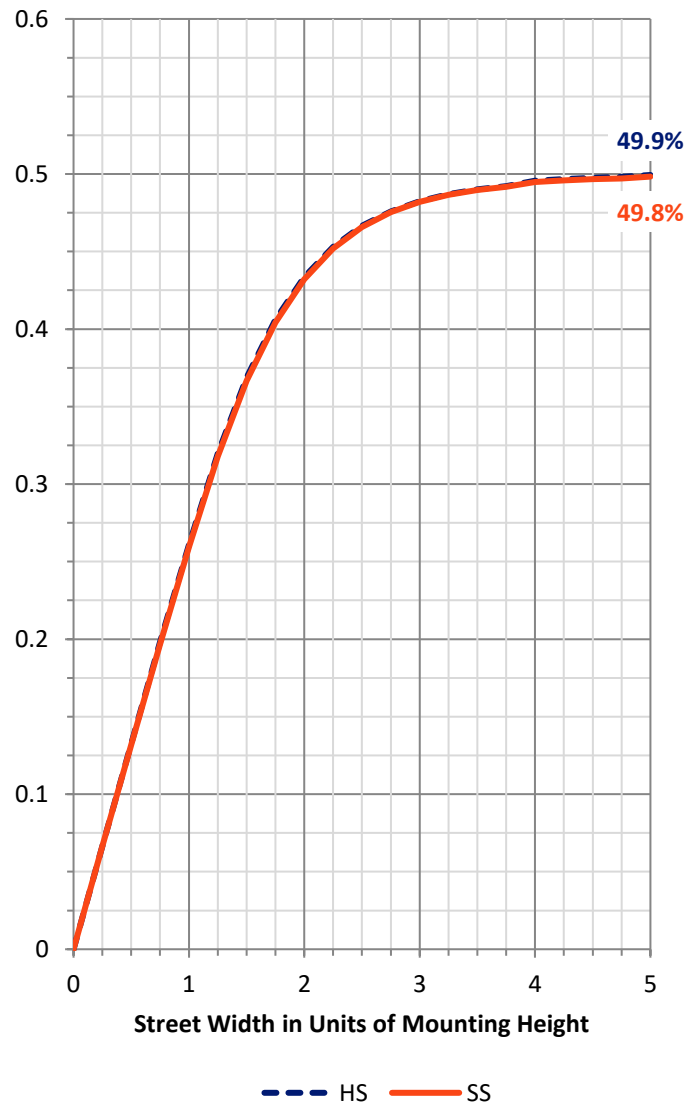
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6783.4	0.0	6783.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6783.4	0.0	6783.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	13566.8	0.0	13566.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.2	0.7
10°-20°	305.1	2.2
20°-30°	589.9	4.3
30°-40°	1142.1	8.4
40°-50°	2062.2	15.2
50°-60°	3585.8	26.4
60°-70°	4070.8	30.0
70°-80°	1578.2	11.6
80°-90°	142.4	1.0
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°	13566.8	100.0
0°-180°	13566.8	100.0



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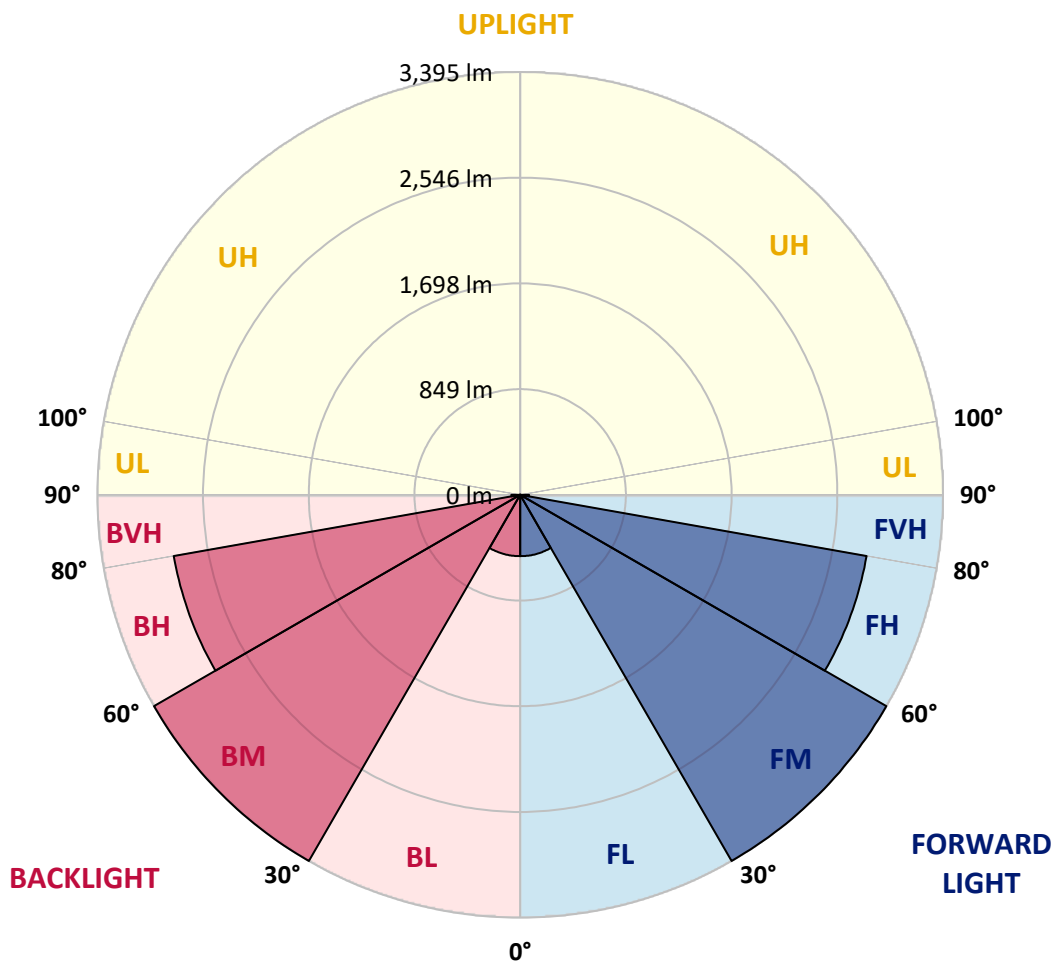
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	492.6	3.6			
FM (30°-60°)	3395.1	25.0			
FH (60°-80°)	2824.5	20.8			G2/5000
FVH (80°-90°)	71.2	0.5			G1/100
BL (0°-30°)	492.6	3.6	B1/500		
BM (30°-60°)	3395.1	25.0	B3/5000		
BH (60°-80°)	2824.5	20.8	B4/5000		G2/5000
BVH (80°-90°)	71.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6
2.5°	906.2	909.0	908.3	906.9	906.9	906.9	906.2	904.1	903.4	904.7	906.2
5°	927.3	927.3	927.3	927.3	925.9	925.9	924.5	923.0	923.7	922.3	921.6
7.5°	959.5	957.4	957.4	956.7	956.7	955.4	953.2	950.3	951.1	950.3	949.8
10°	997.4	998.1	995.9	998.1	994.6	993.9	991.1	989.7	989.0	986.8	986.8
12.5°	1043.0	1040.8	1040.8	1039.4	1038.1	1036.7	1032.4	1031.7	1028.9	1027.5	1025.5
15°	1085.8	1085.0	1082.2	1079.4	1078.7	1077.4	1072.4	1069.6	1068.9	1065.4	1062.6
17.5°	1128.6	1127.1	1123.6	1122.2	1119.4	1117.3	1113.1	1108.8	1106.8	1105.3	1101.9
20°	1174.1	1172.8	1169.2	1166.4	1163.0	1160.1	1153.9	1150.3	1148.2	1146.1	1143.3
22.5°	1230.9	1228.1	1222.5	1217.7	1209.9	1207.1	1198.7	1193.8	1190.3	1187.4	1186.1
25°	1292.7	1293.4	1285.7	1279.3	1270.1	1262.5	1252.0	1246.3	1242.9	1240.1	1239.4
27.5°	1369.9	1370.5	1363.5	1354.3	1340.4	1331.9	1318.0	1310.9	1308.8	1306.0	1305.3
30°	1491.9	1485.5	1473.7	1458.9	1446.2	1428.1	1407.7	1400.8	1393.7	1391.6	1391.5
32.5°	1716.3	1712.8	1703.0	1666.5	1649.7	1611.8	1576.0	1555.7	1532.5	1521.3	1514.3
35°	1873.5	1872.0	1864.3	1851.7	1841.1	1833.5	1812.4	1808.9	1804.7	1804.7	1810.2
37.5°	1989.2	1980.8	1979.4	1981.4	1978.6	1980.1	1996.8	2020.0	2039.6	2049.5	2048.0
40°	2160.3	2148.4	2155.4	2150.5	2144.2	2142.7	2148.4	2157.5	2166.5	2166.6	2164.5
42.5°	2384.0	2389.6	2392.5	2372.1	2358.8	2355.4	2368.6	2365.8	2374.9	2371.4	2362.2
45°	2716.5	2712.9	2708.1	2683.6	2662.5	2645.6	2649.1	2644.3	2644.9	2639.3	2632.4
47.5°	3051.7	3063.6	3043.4	3031.5	3007.6	2995.6	3005.5	2997.0	3013.2	2983.7	2969.7
50°	3377.2	3385.6	3378.6	3361.7	3361.8	3378.6	3390.5	3406.0	3428.4	3394.7	3344.2
52.5°	3643.7	3650.7	3661.2	3675.3	3709.6	3745.5	3795.9	3850.0	3892.8	3886.4	3828.9
55°	3806.5	3814.9	3832.4	3880.8	3942.5	4036.5	4150.9	4276.4	4374.5	4422.3	4380.2
57.5°	3861.2	3867.5	3915.2	3973.4	4069.5	4209.1	4400.6	4617.3	4806.0	4925.9	4906.9
60°	3848.6	3848.6	3897.0	3977.0	4111.6	4296.8	4567.5	4867.8	5156.7	5336.2	5309.5
62.5°	3715.9	3723.0	3792.4	3888.6	4051.2	4272.9	4595.6	4979.2	5325.0	5547.9	5526.3
65°	3425.6	3430.5	3505.6	3619.9	3801.5	4063.8	4416.7	4841.7	5238.0	5452.7	5411.9
67.5°	2956.4	2961.3	3022.3	3151.4	3343.6	3617.8	3998.6	4466.5	4854.4	5024.0	4902.0
70°	2351.8	2365.8	2405.0	2541.8	2687.7	2956.4	3307.0	3774.9	4141.0	4301.6	4167.0
72.5°	1602.7	1638.4	1686.1	1807.5	1947.1	2170.1	2449.3	2843.5	3137.3	3323.2	3203.3
75°	902.7	953.2	968.0	1059.8	1174.9	1350.9	1555.0	1837.6	2134.3	2285.1	2140.7
77.5°	390.0	431.4	449.7	492.4	582.1	655.8	779.9	970.7	1200.0	1306.1	1132.8
80°	192.2	202.0	209.7	223.1	248.3	272.2	331.1	414.5	508.5	532.3	423.6
82.5°	148.7	155.7	169.0	179.5	185.9	192.2	197.8	209.0	218.1	223.1	210.4
85°	104.6	113.7	128.4	140.3	147.3	152.2	157.1	160.6	152.2	138.9	145.9
87.5°	27.3	35.7	49.9	54.0	61.0	64.6	63.1	65.2	58.9	42.8	47.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6
2.5°	905.5	904.7	905.5	905.5	905.5	904.7	904.7	904.8
5°	921.7	921.7	922.3	920.9	920.9	921.7	920.9	920.2
7.5°	949.0	948.3	948.3	947.5	948.3	947.5	947.5	946.9
10°	985.5	984.0	984.8	982.7	982.7	982.0	982.0	982.0
12.5°	1024.8	1022.6	1023.3	1021.2	1017.8	1018.4	1019.2	1018.4
15°	1062.6	1060.5	1058.4	1057.0	1054.9	1055.6	1055.6	1054.9
17.5°	1101.2	1096.9	1096.3	1094.1	1093.4	1093.5	1093.5	1094.1
20°	1141.2	1138.4	1137.7	1135.5	1134.9	1136.9	1137.7	1136.3
22.5°	1184.0	1182.5	1184.0	1182.5	1184.7	1186.1	1186.8	1185.3
25°	1238.0	1236.6	1238.7	1243.5	1246.3	1247.8	1251.4	1249.9
27.5°	1307.4	1306.0	1310.9	1318.0	1322.1	1329.1	1332.7	1334.1
30°	1397.1	1403.5	1406.3	1420.4	1423.2	1434.4	1434.3	1439.3
32.5°	1527.6	1539.5	1560.6	1582.3	1612.5	1634.2	1634.2	1645.5
35°	1813.8	1818.7	1834.8	1838.3	1844.7	1851.7	1844.7	1850.2
37.5°	2033.3	2011.6	1996.2	1974.3	1961.1	1961.1	1962.4	1961.1
40°	2145.5	2137.1	2130.2	2111.9	2109.0	2108.4	2108.4	2111.2
42.5°	2346.2	2325.8	2314.6	2299.2	2294.3	2292.9	2292.2	2293.6
45°	2607.1	2574.2	2544.0	2528.5	2515.2	2502.5	2506.8	2506.8
47.5°	2910.7	2859.6	2810.4	2783.8	2760.7	2750.2	2743.1	2741.0
50°	3280.4	3208.9	3145.7	3096.0	3062.3	3061.6	3065.1	3042.6
52.5°	3733.6	3620.6	3542.1	3474.6	3443.2	3439.6	3428.4	3415.7
55°	4235.7	4101.8	3971.9	3899.7	3858.3	3835.9	3822.6	3801.5
57.5°	4753.3	4573.1	4386.5	4270.7	4197.8	4147.4	4120.7	4108.8
60°	5152.4	4906.3	4660.0	4474.2	4352.9	4277.8	4231.5	4212.6
62.5°	5309.5	4975.7	4660.0	4415.9	4240.6	4136.9	4074.4	4047.0
65°	5122.3	4726.7	4367.7	4098.3	3902.5	3786.8	3718.7	3689.3
67.5°	4599.1	4249.7	3859.1	3591.1	3389.8	3275.6	3201.9	3180.1
70°	3855.6	3498.5	3125.4	2886.3	2706.6	2613.4	2536.9	2527.8
72.5°	2897.5	2589.6	2269.7	2071.9	1927.5	1773.1	1733.8	1753.5
75°	1857.3	1569.0	1284.3	1106.1	974.2	827.0	770.1	784.2
77.5°	879.5	681.1	491.7	380.1	319.1	272.8	260.8	253.9
80°	326.1	264.4	233.6	221.6	213.2	205.5	199.9	193.6
82.5°	211.2	206.1	199.9	197.8	191.4	181.7	163.3	155.7
85°	157.8	157.8	149.4	150.1	145.2	132.6	115.7	106.6
87.5°	46.3	41.4	37.9	35.1	34.4	30.9	22.4	19.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)