

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: P180113

Luminaire Tested: **ICM-F06-LED-E1-5WQ**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180113
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33675)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-F06-LED-E1-5WQ
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (42) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14669.7 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Semi-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

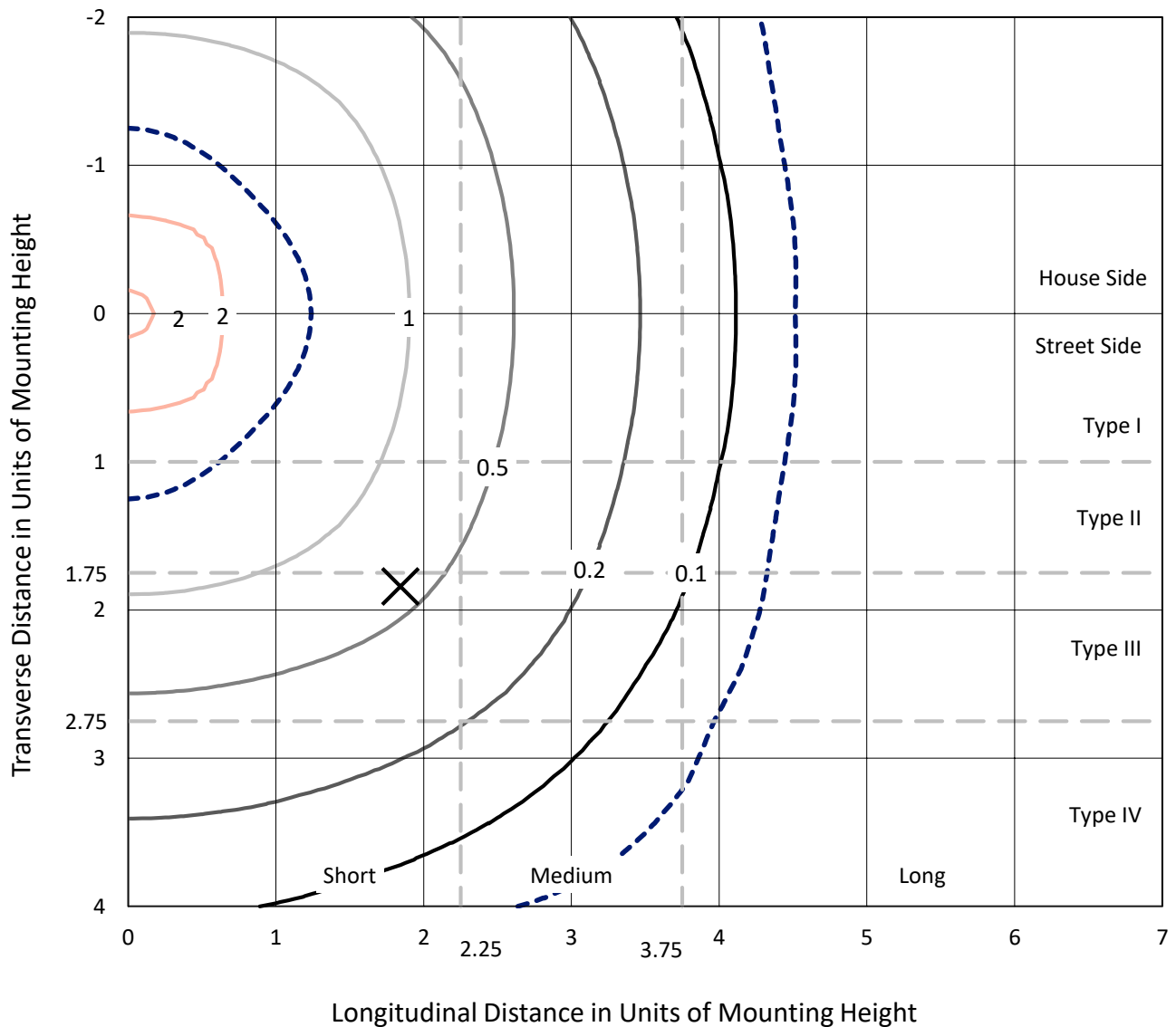


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Iso-Footcandle Lines of Horizontal Illumination

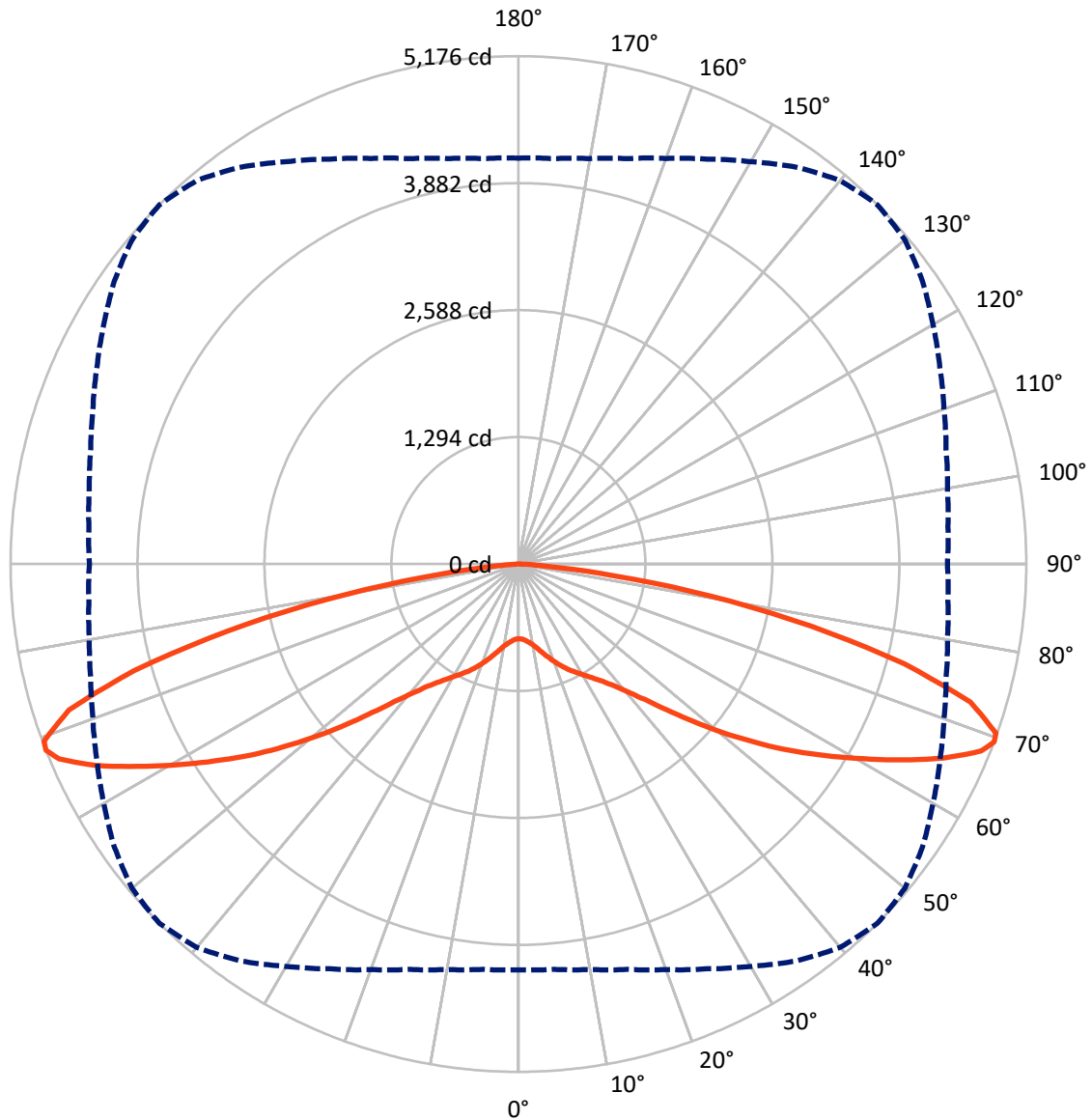
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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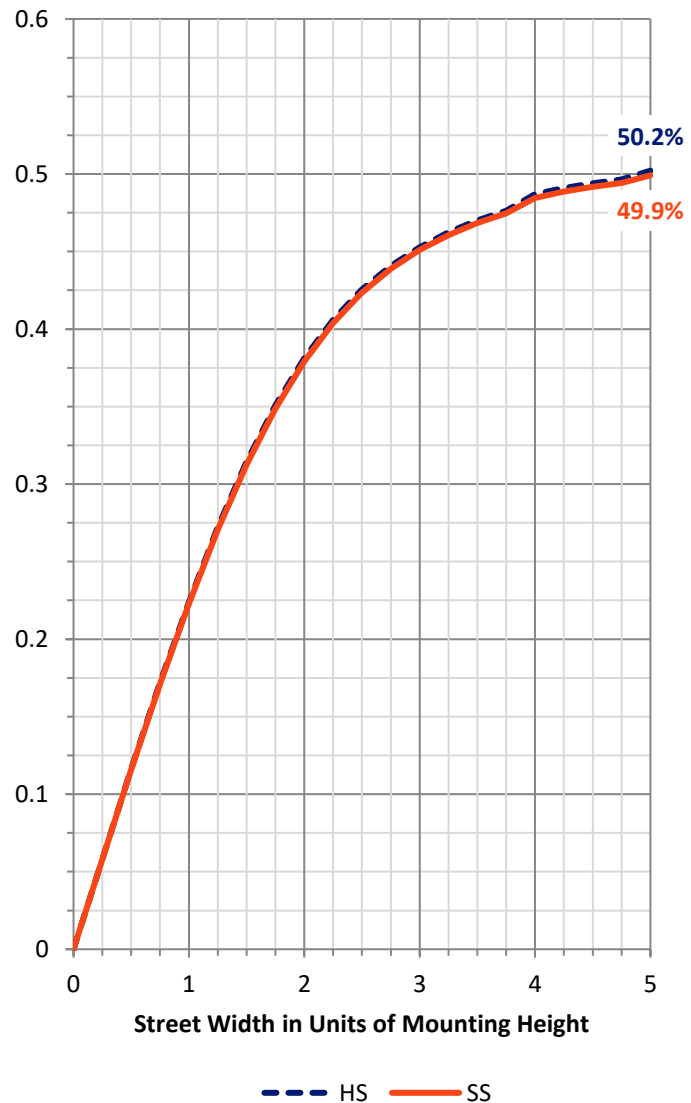
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7334.8	0.0	7334.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7334.8	0.0	7334.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	14669.7	0.0	14669.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.5	0.5
10°-20°	270.1	1.8
20°-30°	546.9	3.7
30°-40°	917.0	6.3
40°-50°	1617.5	11.0
50°-60°	2852.4	19.4
60°-70°	4354.8	29.7
70°-80°	3638.9	24.8
80°-90°	395.4	2.7
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°	14669.7	100.0
0°-180°	14669.7	100.0



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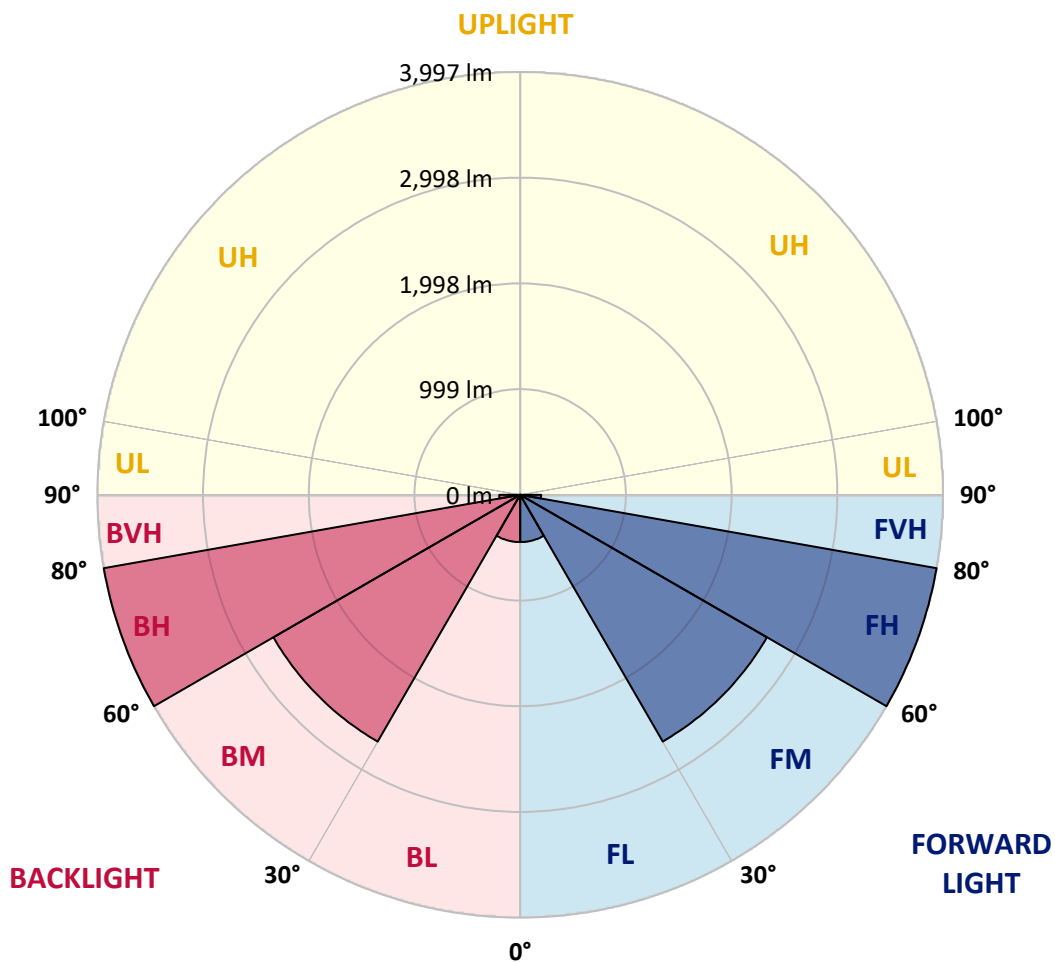
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	446.8	3.0			
FM	(30°-60°)	2693.5	18.4			
FH	(60°-80°)	3996.9	27.2			G2/5000
FVH	(80°-90°)	197.7	1.3			G2/225
BL	(0°-30°)	446.8	3.0	B1/500		
BM	(30°-60°)	2693.5	18.4	B3/5000		
BH	(60°-80°)	3996.9	27.2	B4/5000		G2/5000
BVH	(80°-90°)	197.7	1.3			G2/225
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°	761.8	761.8	761.8	761.8	761.8	761.8	761.8	761.8	761.8	761.8	761.8
2.5°	767.9	769.5	767.9	767.9	767.9	767.9	767.9	766.4	766.4	766.4	767.9
5°	783.3	784.8	783.3	784.8	784.8	784.8	784.8	783.3	783.3	783.3	783.3
7.5°	807.9	807.9	807.9	809.4	807.9	807.9	809.4	807.9	807.9	807.9	807.9
10°	843.2	841.7	841.7	841.7	841.7	841.7	843.2	843.2	843.2	841.7	841.7
12.5°	886.2	884.7	886.2	886.2	887.7	887.7	887.7	887.7	887.7	887.7	886.2
15°	938.4	938.4	938.4	939.9	943.0	943.0	941.5	943.0	943.0	943.0	943.0
17.5°	996.8	999.8	996.8	998.3	999.8	998.3	1001.4	1002.9	1004.5	1002.9	998.3
20°	1056.7	1058.2	1058.2	1058.2	1058.2	1061.3	1062.8	1062.8	1067.4	1065.9	1064.4
22.5°	1113.5	1116.6	1116.6	1118.1	1118.1	1122.7	1122.7	1122.7	1125.8	1128.8	1125.8
25°	1173.4	1171.9	1171.9	1175.0	1176.5	1182.6	1182.6	1185.7	1190.3	1191.8	1188.8
27.5°	1227.2	1225.6	1225.6	1230.2	1231.7	1239.4	1239.4	1245.6	1248.7	1250.2	1247.2
30°	1284.0	1284.0	1282.4	1287.1	1291.6	1297.8	1300.8	1307.0	1311.6	1313.1	1310.1
32.5°	1351.5	1348.5	1350.1	1353.1	1356.2	1362.3	1366.9	1374.6	1380.8	1382.2	1379.2
35°	1428.4	1423.7	1425.3	1428.4	1432.9	1442.1	1449.9	1454.4	1463.7	1466.8	1460.6
37.5°	1512.8	1514.3	1512.8	1520.5	1528.2	1539.0	1548.2	1554.3	1563.5	1568.1	1563.5
40°	1632.7	1628.0	1632.7	1640.3	1652.6	1666.4	1684.8	1689.5	1698.7	1707.9	1697.1
42.5°	1787.7	1784.7	1795.5	1801.6	1815.4	1830.8	1853.8	1866.1	1879.9	1886.1	1876.8
45°	1990.5	1990.5	2002.8	2004.3	2025.8	2045.8	2078.1	2093.4	2119.5	2119.5	2119.5
47.5°	2214.7	2223.9	2231.6	2247.0	2262.3	2299.2	2331.5	2365.2	2389.8	2392.9	2388.3
50°	2446.6	2455.8	2478.9	2500.4	2534.2	2580.3	2615.6	2660.1	2681.6	2700.0	2693.9
52.5°	2703.1	2704.7	2732.3	2759.9	2809.1	2859.8	2916.6	2962.7	3001.1	3018.0	3004.2
55°	2984.2	2987.3	3011.8	3041.0	3096.3	3154.7	3225.3	3273.0	3322.1	3352.8	3329.8
57.5°	3288.3	3289.8	3314.4	3349.7	3415.7	3474.2	3541.7	3609.3	3655.4	3683.0	3667.7
60°	3624.7	3632.3	3650.7	3695.3	3758.3	3819.7	3887.3	3947.2	4001.0	4030.2	4014.7
62.5°	3984.0	3991.7	4017.8	4053.1	4108.5	4176.0	4240.5	4317.3	4361.9	4394.2	4371.1
65°	4225.1	4239.0	4280.5	4328.1	4409.5	4497.1	4572.3	4676.7	4730.4	4768.9	4747.4
67.5°	4240.5	4248.2	4298.9	4371.1	4480.1	4612.2	4765.8	4928.6	5034.5	5085.2	5048.4
69°	4136.1	4146.8	4196.0	4277.4	4398.7	4552.3	4735.1	4937.8	5100.6	5175.8	5140.6
70°	4017.8	4040.9	4094.6	4183.7	4302.0	4463.3	4652.1	4868.7	5059.2	5162.1	5135.9
72.5°	3769.0	3775.2	3810.5	3881.1	3971.7	4105.4	4283.6	4487.8	4669.1	4816.5	4838.0
75°	3345.1	3365.1	3391.2	3438.8	3484.9	3581.6	3701.4	3841.2	3947.2	4060.9	4065.4
77.5°	2528.0	2587.9	2607.9	2618.6	2638.6	2715.5	2819.8	2941.2	3028.8	3047.2	3044.1
80°	1135.0	1214.9	1233.3	1320.8	1374.6	1502.1	1661.8	1847.6	1972.0	1985.9	1952.1
82.5°	222.7	238.0	278.0	347.1	473.0	548.3	652.7	783.3	903.1	972.2	930.7
85°	73.8	78.3	90.6	99.8	115.2	130.5	158.2	196.6	244.2	270.3	241.1
87.5°	29.2	29.2	33.8	36.8	39.9	39.9	39.9	36.8	35.3	29.2	26.1
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°	761.8	761.8	761.8	761.8	761.8	761.8	761.8	761.8
2.5°	766.4	766.4	766.4	766.4	766.4	766.4	766.4	766.4
5°	783.3	781.8	781.8	780.2	780.2	780.2	780.2	780.2
7.5°	806.3	804.8	803.3	804.8	803.3	803.3	803.3	803.3
10°	841.7	838.6	837.0	835.5	835.5	835.5	834.0	834.0
12.5°	883.2	883.2	881.6	880.1	876.9	878.5	876.9	873.9
15°	939.9	936.8	935.4	933.8	930.7	930.7	930.7	929.2
17.5°	996.8	993.7	993.7	989.1	987.5	987.5	987.5	989.1
20°	1059.7	1055.2	1052.1	1049.0	1046.0	1047.4	1044.4	1047.4
22.5°	1122.7	1116.6	1113.5	1108.9	1104.3	1104.3	1102.8	1099.7
25°	1184.2	1176.5	1173.4	1168.8	1162.6	1162.6	1159.5	1156.5
27.5°	1242.5	1234.8	1231.7	1222.5	1216.4	1214.9	1211.8	1210.2
30°	1307.0	1297.8	1293.2	1284.0	1274.8	1273.2	1268.7	1268.7
32.5°	1374.6	1365.4	1362.3	1348.5	1340.8	1340.8	1337.8	1334.7
35°	1459.1	1445.2	1442.1	1428.4	1417.6	1417.6	1414.5	1416.1
37.5°	1558.9	1548.2	1537.4	1526.6	1514.3	1512.8	1509.8	1506.7
40°	1692.6	1680.2	1667.9	1652.6	1641.9	1638.8	1634.1	1632.7
42.5°	1870.7	1858.4	1833.9	1821.5	1810.8	1801.6	1800.0	1798.5
45°	2098.0	2082.6	2065.8	2042.7	2028.8	2008.9	2005.9	1998.2
47.5°	2371.4	2342.2	2313.0	2293.0	2271.5	2248.5	2243.9	2231.6
50°	2661.7	2638.6	2589.5	2557.2	2523.5	2500.4	2485.0	2480.4
52.5°	2973.4	2930.4	2881.3	2838.2	2789.1	2758.4	2730.8	2723.1
55°	3299.1	3237.6	3176.2	3125.5	3076.4	3039.5	3013.4	3001.1
57.5°	3624.7	3557.0	3489.5	3434.2	3392.8	3345.1	3319.0	3312.9
60°	3964.1	3899.6	3830.4	3775.2	3724.5	3683.0	3667.7	3638.4
62.5°	4323.5	4255.9	4191.4	4137.6	4073.1	4043.9	4017.8	4001.0
65°	4676.7	4598.4	4517.0	4460.1	4395.7	4354.2	4322.0	4298.9
67.5°	4950.1	4831.8	4722.8	4627.6	4540.0	4475.6	4434.1	4412.6
69°	5026.9	4879.5	4739.7	4615.3	4512.4	4440.2	4394.2	4372.6
70°	5017.7	4854.9	4701.3	4564.6	4452.5	4375.7	4331.2	4291.2
72.5°	4733.5	4584.6	4414.1	4265.1	4163.7	4090.0	4045.5	4024.0
75°	4039.4	3939.5	3816.7	3701.4	3627.7	3584.8	3529.4	3531.0
77.5°	2941.2	2944.3	2861.3	2743.1	2660.1	2644.8	2620.2	2595.6
80°	1824.6	1678.7	1583.5	1456.0	1362.3	1280.9	1245.6	1168.8
82.5°	841.7	657.3	509.9	385.5	296.5	231.9	202.7	165.9
85°	187.3	142.8	118.2	95.3	81.4	75.3	61.4	56.8
87.5°	26.1	23.1	21.5	20.0	16.9	12.3	9.2	7.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)