

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: P180107

Luminaire Tested: **ICM-E06-LED-E1-5WQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180107
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-E06-LED-E1-5WQ-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (126) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16230.4 lumens
Efficiency: N/A
Efficacy: 107.8 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

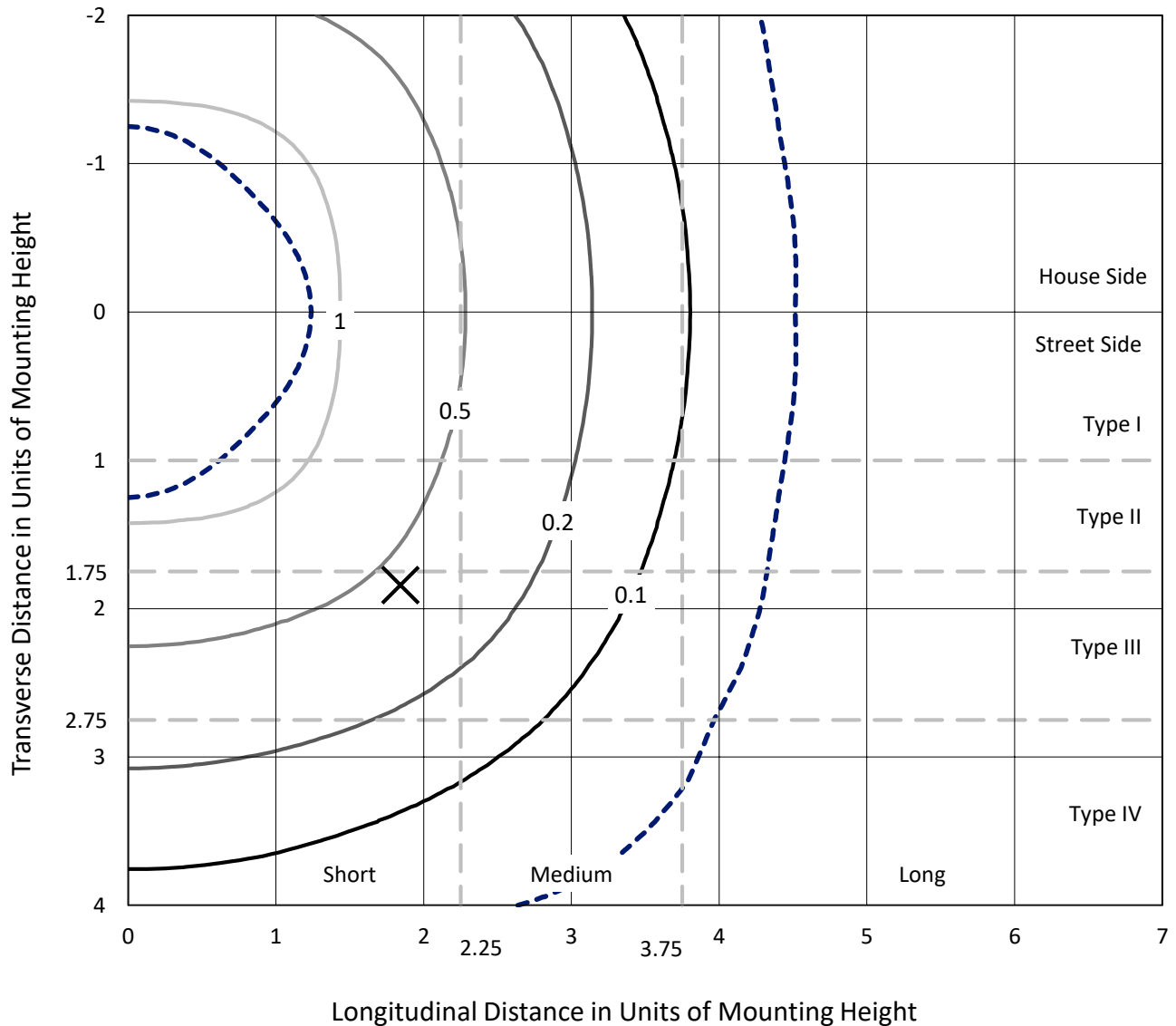
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

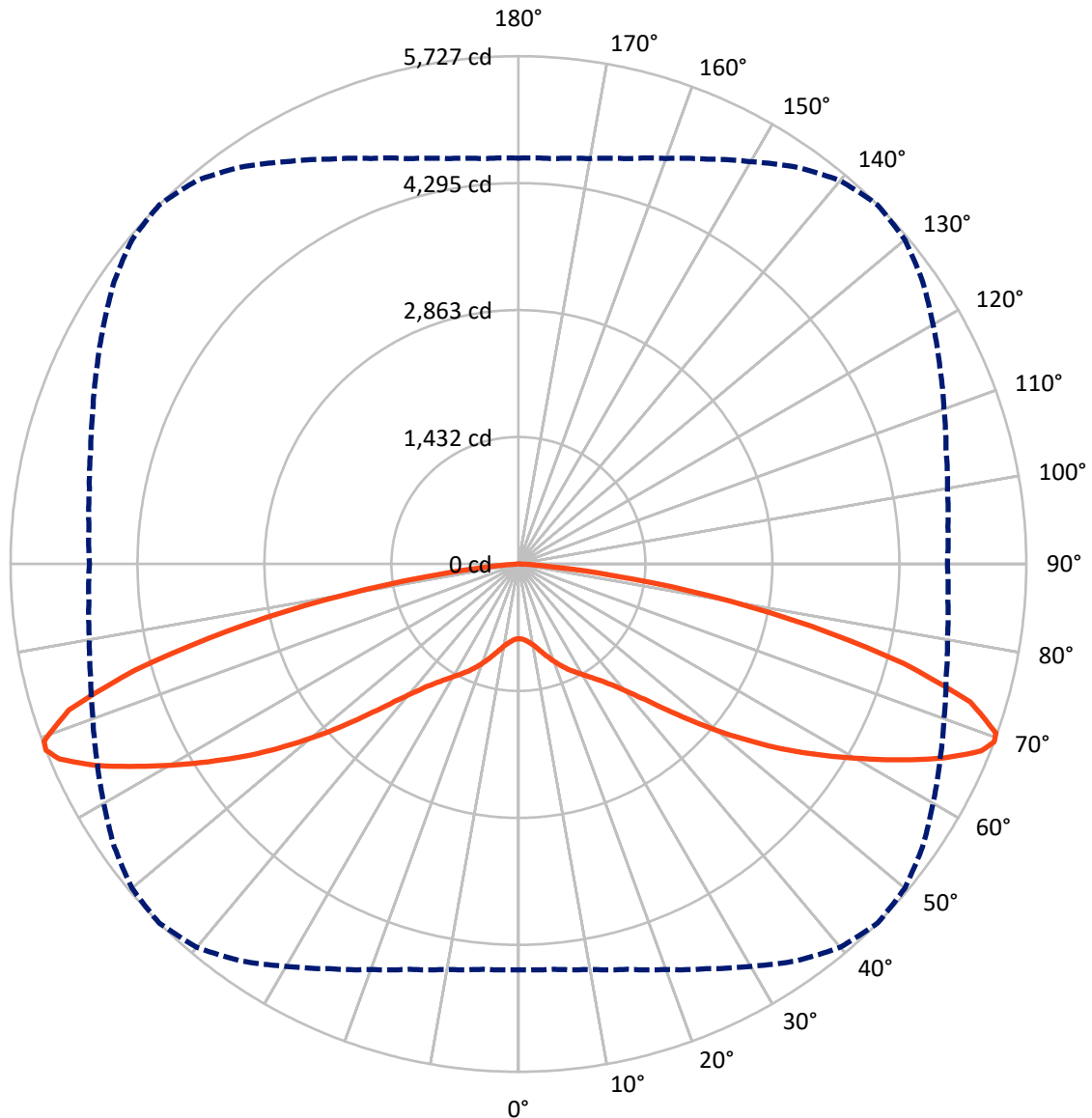
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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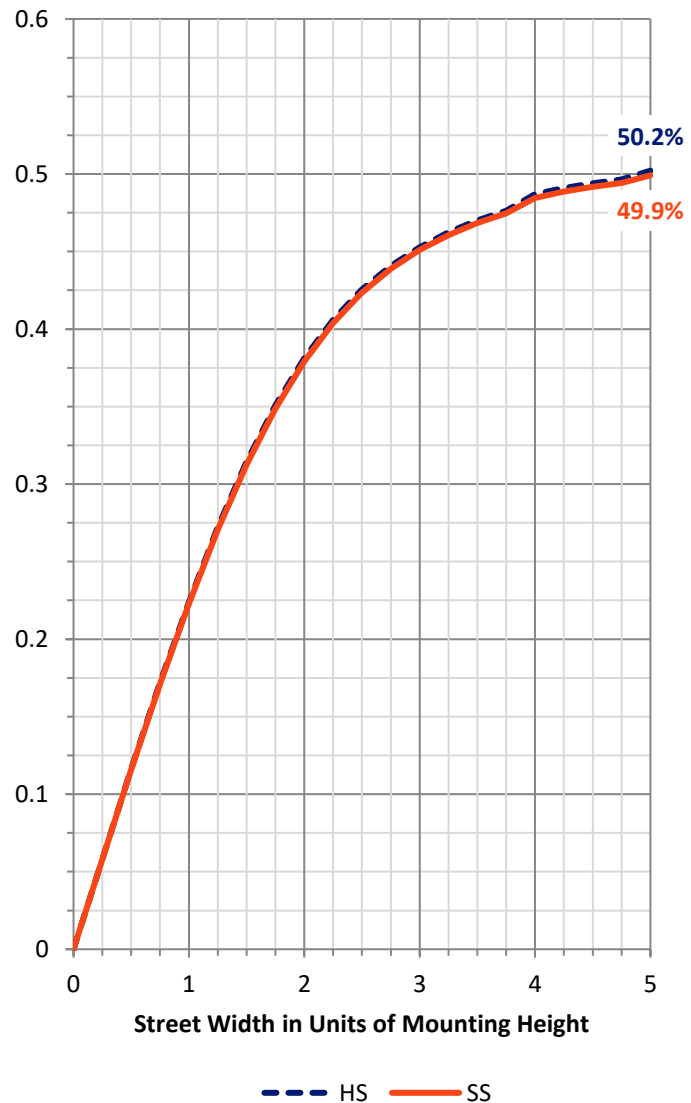
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8115.2	0.0	8115.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8115.2	0.0	8115.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	16230.4	0.0	16230.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.6	0.5
10°-20°	298.8	1.8
20°-30°	605.1	3.7
30°-40°	1014.6	6.3
40°-50°	1789.6	11.0
50°-60°	3155.9	19.4
60°-70°	4818.1	29.7
70°-80°	4026.1	24.8
80°-90°	437.5	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°	16230.4	100.0
0°-180°	16230.4	100.0



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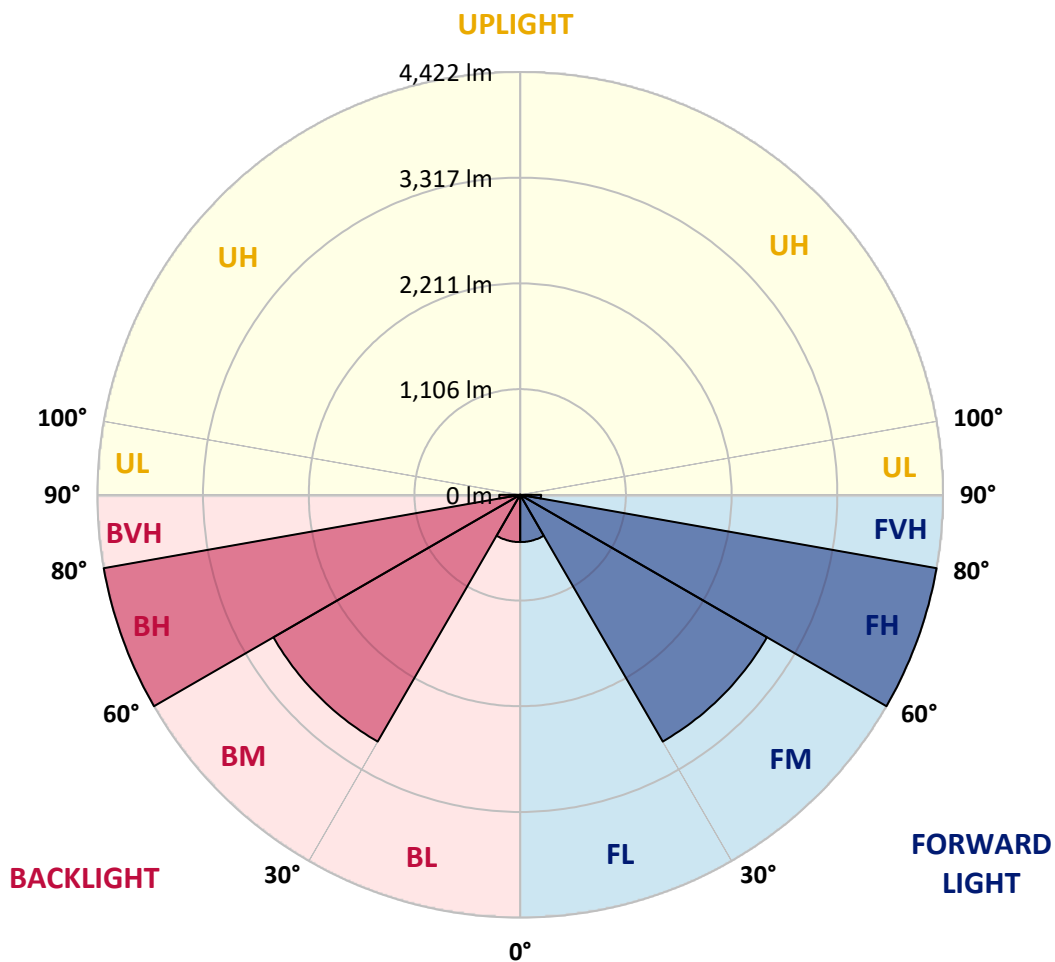
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	494.3	3.0			
FM (30°-60°)	2980.0	18.4			
FH (60°-80°)	4422.1	27.2			G2/5000
FVH (80°-90°)	218.7	1.3			G2/225
BL (0°-30°)	494.3	3.0	B1/500		
BM (30°-60°)	2980.0	18.4	B3/5000		
BH (60°-80°)	4422.1	27.2	B4/5000		G2/5000
BVH (80°-90°)	218.7	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°	842.8	842.8	842.8	842.8	842.8	842.8	842.8	842.8	842.8	842.8	842.8
2.5°	849.7	851.4	849.7	849.7	849.7	849.7	849.7	847.9	847.9	847.9	849.7
5°	866.6	868.3	866.6	868.3	868.3	868.3	868.3	866.6	866.6	866.6	866.6
7.5°	893.8	893.8	893.8	895.5	893.8	893.8	895.5	893.8	893.8	893.8	893.8
10°	932.9	931.2	931.2	931.2	931.2	931.2	932.9	932.9	932.9	931.2	931.2
12.5°	980.5	978.8	980.5	980.5	982.1	982.1	982.1	982.1	982.1	982.1	980.5
15°	1038.2	1038.2	1038.2	1039.9	1043.4	1043.4	1041.7	1043.4	1043.4	1043.4	1043.4
17.5°	1102.8	1106.2	1102.8	1104.6	1106.2	1104.6	1107.9	1109.6	1111.4	1109.6	1104.6
20°	1169.1	1170.8	1170.8	1170.8	1170.8	1174.2	1175.9	1175.9	1181.0	1179.3	1177.6
22.5°	1232.0	1235.4	1235.4	1237.0	1237.0	1242.1	1242.1	1242.1	1245.6	1248.9	1245.6
25°	1298.2	1296.6	1296.6	1299.9	1301.7	1308.5	1308.5	1311.8	1316.9	1318.6	1315.3
27.5°	1357.7	1356.0	1356.0	1361.1	1362.8	1371.3	1371.3	1378.1	1381.5	1383.2	1379.8
30°	1420.6	1420.6	1418.9	1424.0	1429.1	1435.9	1439.3	1446.1	1451.2	1452.8	1449.5
32.5°	1495.4	1491.9	1493.7	1497.0	1500.5	1507.3	1512.4	1520.8	1527.6	1529.3	1526.0
35°	1580.3	1575.3	1576.9	1580.3	1585.4	1595.6	1604.1	1609.2	1619.4	1622.8	1616.0
37.5°	1673.8	1675.5	1673.8	1682.2	1690.8	1702.7	1712.8	1719.6	1729.9	1735.0	1729.9
40°	1806.3	1801.2	1806.3	1814.8	1828.4	1843.7	1864.1	1869.2	1879.4	1889.6	1877.7
42.5°	1978.0	1974.5	1986.4	1993.2	2008.6	2025.5	2051.0	2064.6	2079.9	2086.7	2076.5
45°	2202.2	2202.2	2215.8	2217.5	2241.3	2263.5	2299.1	2316.1	2344.9	2344.9	2344.9
47.5°	2450.3	2460.6	2469.0	2486.1	2503.0	2543.8	2579.5	2616.9	2644.0	2647.5	2642.3
50°	2706.9	2717.1	2742.6	2766.4	2803.8	2854.8	2893.9	2943.1	2966.9	2987.3	2980.5
52.5°	2990.7	2992.4	3023.0	3053.6	3107.9	3164.0	3226.9	3277.9	3320.4	3339.1	3323.7
55°	3301.7	3305.0	3332.3	3364.6	3425.7	3490.3	3568.5	3621.1	3675.6	3709.5	3684.0
57.5°	3638.2	3639.8	3667.0	3706.1	3779.2	3843.7	3918.5	3993.2	4044.2	4074.8	4057.9
60°	4010.3	4018.7	4039.2	4088.4	4158.1	4226.1	4300.9	4367.1	4426.6	4458.9	4441.9
62.5°	4407.9	4416.4	4445.2	4484.4	4545.5	4620.3	4691.7	4776.7	4825.9	4861.6	4836.1
65°	4674.7	4690.0	4735.8	4788.5	4878.6	4975.5	5058.7	5174.3	5233.7	5276.2	5252.4
67.5°	4691.7	4700.2	4756.2	4836.1	4956.8	5102.9	5272.9	5453.0	5570.2	5626.3	5585.5
69°	4576.1	4588.0	4642.4	4732.5	4866.7	5036.6	5238.8	5463.1	5643.3	5726.5	5687.5
70°	4445.2	4470.7	4530.3	4628.8	4759.7	4938.1	5147.1	5386.6	5597.4	5711.2	5682.4
72.5°	4170.0	4176.8	4215.8	4294.1	4394.3	4542.2	4739.3	4965.2	5165.8	5328.9	5352.7
75°	3701.0	3723.1	3752.0	3804.7	3855.7	3962.7	4095.2	4249.9	4367.1	4492.9	4498.0
77.5°	2796.9	2863.3	2885.3	2897.2	2919.4	3004.3	3119.8	3254.1	3351.0	3371.4	3367.9
80°	1255.7	1344.1	1364.5	1461.4	1520.8	1661.9	1838.6	2044.2	2181.9	2197.1	2159.7
82.5°	246.4	263.4	307.5	384.0	523.4	606.6	722.1	866.6	999.2	1075.6	1029.8
85°	81.6	86.7	100.3	110.4	127.4	144.5	175.1	217.5	270.1	299.1	266.8
87.5°	32.3	32.3	37.4	40.7	44.2	44.2	44.2	40.7	39.1	32.3	28.9
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°	842.8	842.8	842.8	842.8	842.8	842.8	842.8	842.8
2.5°	847.9	847.9	847.9	847.9	847.9	847.9	847.9	847.9
5°	866.6	864.9	864.9	863.3	863.3	863.3	863.3	863.3
7.5°	892.1	890.4	888.7	890.4	888.7	888.7	888.7	888.7
10°	931.2	927.8	926.1	924.4	924.4	924.4	922.7	922.7
12.5°	977.1	977.1	975.4	973.7	970.2	972.0	970.2	966.9
15°	1039.9	1036.6	1034.9	1033.1	1029.8	1029.8	1029.8	1028.1
17.5°	1102.8	1099.4	1099.4	1094.3	1092.7	1092.7	1092.7	1094.3
20°	1172.5	1167.4	1164.0	1160.6	1157.2	1158.9	1155.5	1158.9
22.5°	1242.1	1235.4	1232.0	1226.9	1221.8	1221.8	1220.1	1216.7
25°	1310.1	1301.7	1298.2	1293.1	1286.3	1286.3	1283.0	1279.5
27.5°	1374.7	1366.2	1362.8	1352.7	1345.8	1344.1	1340.8	1339.0
30°	1446.1	1435.9	1430.8	1420.6	1410.4	1408.7	1403.6	1403.6
32.5°	1520.8	1510.6	1507.3	1491.9	1483.5	1483.5	1480.1	1476.7
35°	1614.3	1599.0	1595.6	1580.3	1568.4	1568.4	1565.0	1566.7
37.5°	1724.8	1712.8	1700.9	1689.0	1675.5	1673.8	1670.3	1667.0
40°	1872.6	1859.0	1845.4	1828.4	1816.5	1813.1	1808.0	1806.3
42.5°	2069.7	2056.1	2028.9	2015.4	2003.5	1993.2	1991.5	1989.9
45°	2321.2	2304.2	2285.5	2260.0	2244.8	2222.6	2219.3	2210.7
47.5°	2623.6	2591.4	2559.1	2537.0	2513.2	2487.7	2482.6	2469.0
50°	2944.9	2919.4	2864.9	2829.3	2791.9	2766.4	2749.4	2744.3
52.5°	3289.8	3242.2	3187.8	3140.2	3085.9	3051.9	3021.3	3012.8
55°	3650.1	3582.1	3514.1	3458.0	3403.6	3362.8	3334.0	3320.4
57.5°	4010.3	3935.5	3860.8	3799.6	3753.7	3701.0	3672.1	3665.3
60°	4385.8	4314.4	4238.0	4176.8	4120.7	4074.8	4057.9	4025.6
62.5°	4783.5	4708.7	4637.3	4577.8	4506.4	4474.2	4445.2	4426.6
65°	5174.3	5087.6	4997.5	4934.6	4863.3	4817.4	4781.7	4756.2
67.5°	5476.8	5345.9	5225.2	5119.8	5023.0	4951.7	4905.8	4882.0
69°	5561.7	5398.5	5243.9	5106.3	4992.4	4912.6	4861.6	4837.8
70°	5551.5	5371.4	5201.4	5050.3	4926.2	4841.2	4791.9	4747.7
72.5°	5237.1	5072.3	4883.7	4718.8	4606.7	4525.1	4475.8	4452.1
75°	4469.1	4358.6	4222.7	4095.2	4013.7	3966.1	3905.0	3906.6
77.5°	3254.1	3257.5	3165.7	3034.9	2943.1	2926.2	2899.0	2871.7
80°	2018.7	1857.3	1751.9	1610.9	1507.3	1417.2	1378.1	1293.1
82.5°	931.2	727.3	564.2	426.5	328.0	256.6	224.3	183.5
85°	207.4	158.0	130.9	105.4	90.0	83.3	68.0	62.9
87.5°	28.9	25.5	23.8	22.0	18.7	13.6	10.2	8.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)