

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: P180007

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180007
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-E06-LED-E1-5MQ-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (126) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16434.1 lumens
Efficiency: N/A
Efficacy: 109.2 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

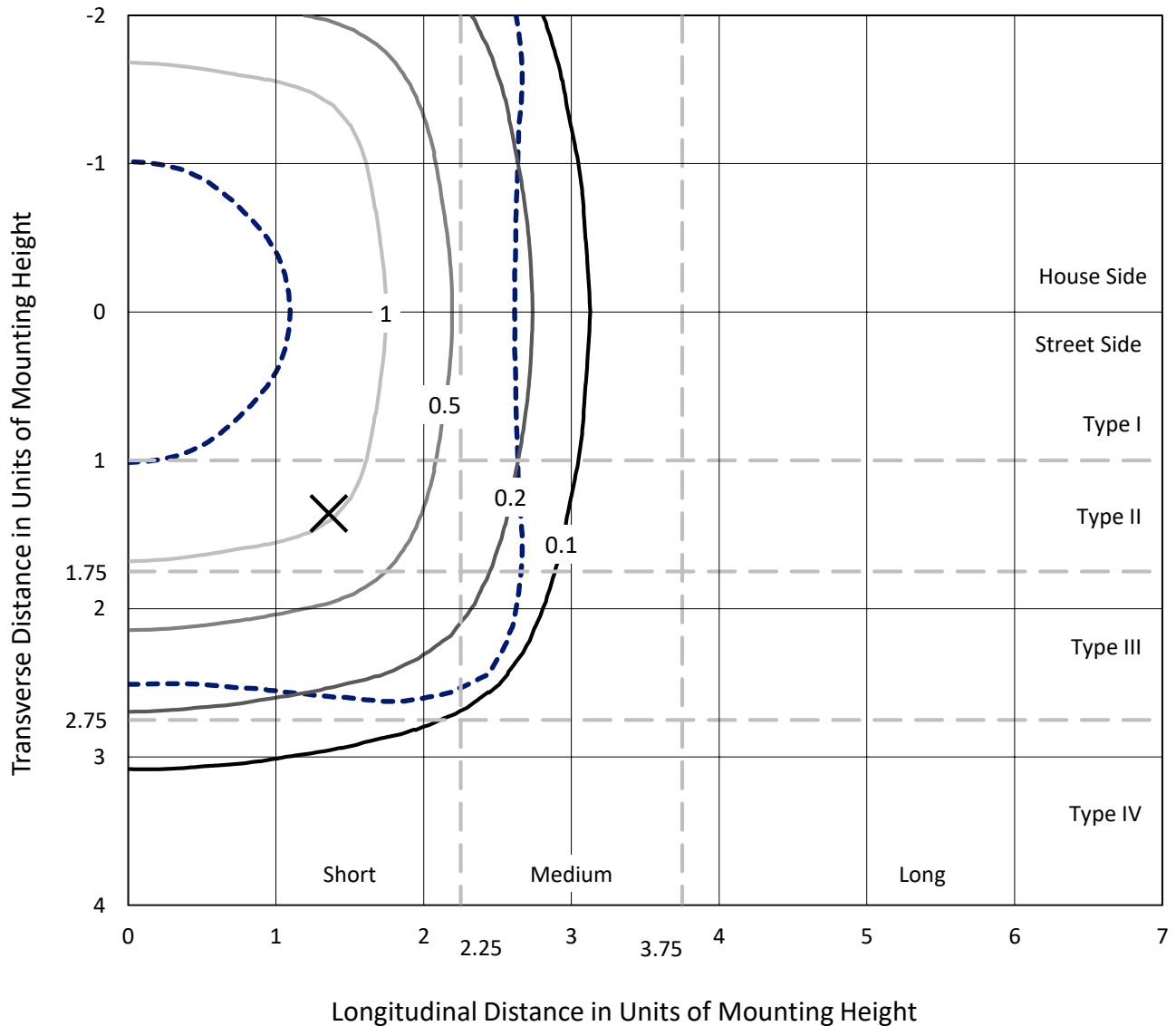
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

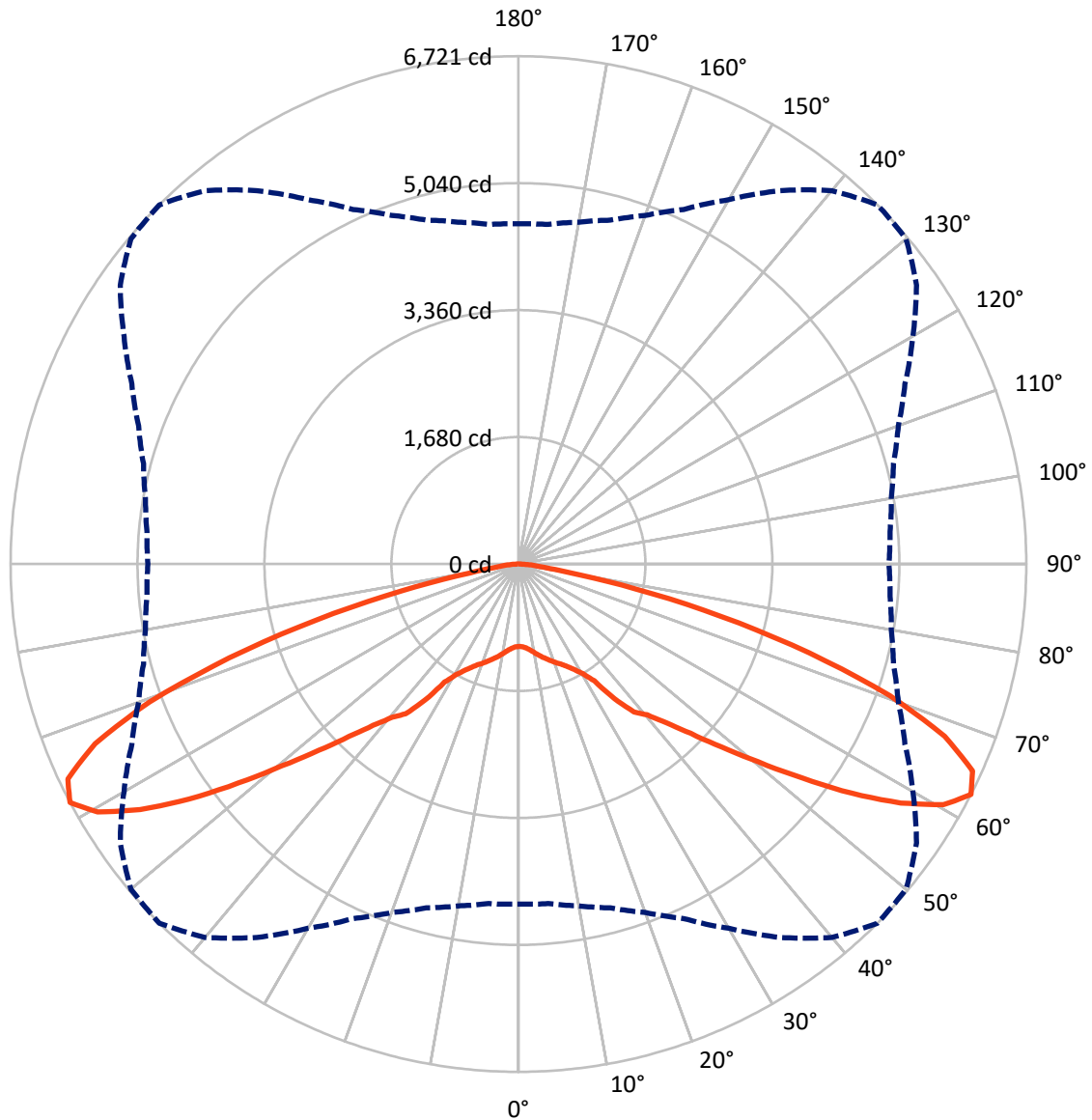
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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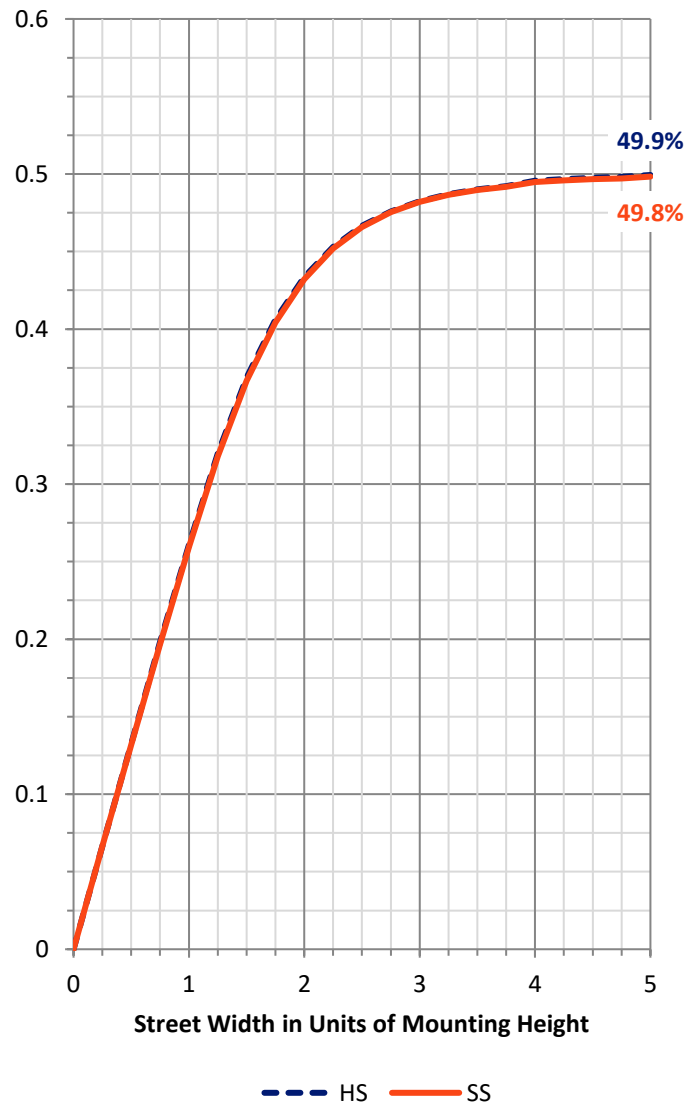
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8217.1	0.0	8217.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8217.1	0.0	8217.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	16434.1	0.0	16434.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.3	0.7
10°-20°	369.6	2.2
20°-30°	714.6	4.3
30°-40°	1383.5	8.4
40°-50°	2498.0	15.2
50°-60°	4343.7	26.4
60°-70°	4931.2	30.0
70°-80°	1911.8	11.6
80°-90°	172.5	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°	16434.1	100.0
0°-180°	16434.1	100.0



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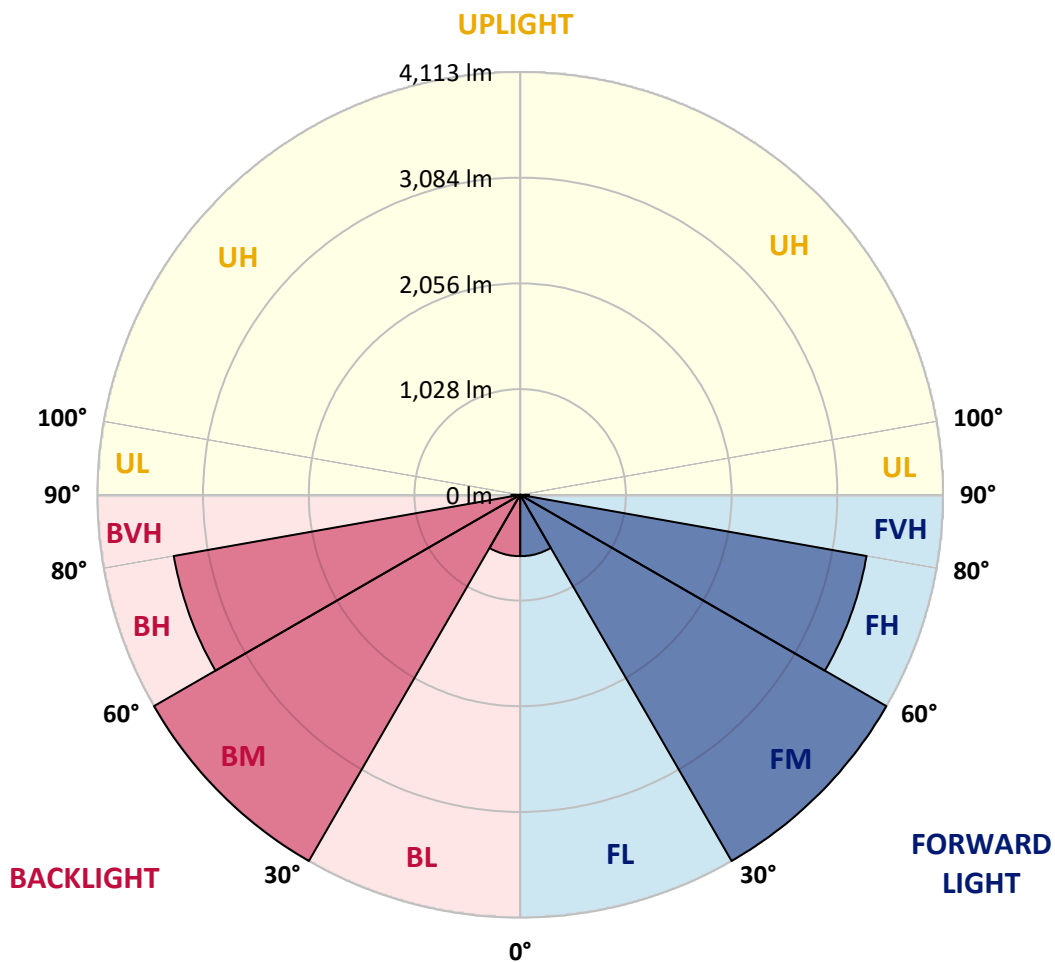
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	596.7	3.6			
FM	(30°-60°)	4112.6	25.0			
FH	(60°-80°)	3421.5	20.8			G2/5000
FVH	(80°-90°)	86.2	0.5			G1/100
BL	(0°-30°)	596.7	3.6	B2/1000		
BM	(30°-60°)	4112.6	25.0	B3/5000		
BH	(60°-80°)	3421.5	20.8	B4/5000		G2/5000
BVH	(80°-90°)	86.2	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°	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1097.8	1101.1	1100.3	1098.6	1098.6	1098.5	1097.7	1095.2	1094.3	1096.0	1097.7
5°	1123.2	1123.2	1123.2	1123.2	1121.5	1121.5	1119.8	1118.1	1118.9	1117.2	1116.5
7.5°	1162.3	1159.8	1159.8	1158.9	1158.9	1157.2	1154.6	1151.3	1152.1	1151.3	1150.3
10°	1208.2	1209.0	1206.4	1209.0	1204.8	1203.9	1200.6	1198.8	1198.0	1195.4	1195.4
12.5°	1263.4	1260.8	1260.8	1259.2	1257.5	1255.7	1250.6	1249.9	1246.4	1244.8	1242.2
15°	1315.2	1314.4	1311.0	1307.5	1306.8	1305.0	1299.1	1295.7	1294.9	1290.6	1287.2
17.5°	1367.1	1365.4	1361.1	1359.5	1356.0	1353.4	1348.4	1343.3	1340.8	1339.0	1334.7
20°	1422.3	1420.6	1416.4	1412.9	1408.8	1405.3	1397.7	1393.4	1390.9	1388.3	1384.9
22.5°	1491.2	1487.7	1480.9	1475.0	1465.7	1462.2	1452.0	1446.1	1441.9	1438.4	1436.7
25°	1565.9	1566.7	1557.4	1549.8	1538.7	1529.3	1516.7	1509.8	1505.5	1502.1	1501.2
27.5°	1659.4	1660.2	1651.7	1640.6	1623.6	1613.4	1596.5	1587.9	1585.5	1582.0	1581.2
30°	1807.2	1799.5	1785.1	1767.3	1752.0	1729.9	1705.1	1696.8	1688.2	1685.6	1685.7
32.5°	2079.1	2074.8	2062.9	2018.8	1998.3	1952.4	1909.1	1884.5	1856.5	1842.8	1834.3
35°	2269.4	2267.6	2258.3	2243.0	2230.3	2220.9	2195.5	2191.2	2186.1	2186.1	2192.9
37.5°	2409.5	2399.4	2397.6	2400.2	2396.9	2398.5	2418.9	2446.9	2470.7	2482.6	2480.9
40°	2616.9	2602.4	2611.0	2605.0	2597.3	2595.6	2602.4	2613.4	2624.6	2624.6	2622.0
42.5°	2887.8	2894.7	2898.1	2873.5	2857.3	2853.0	2869.2	2865.8	2876.9	2872.6	2861.5
45°	3290.6	3286.3	3280.4	3250.7	3225.1	3204.9	3209.1	3203.1	3203.9	3197.1	3188.7
47.5°	3696.8	3711.2	3686.5	3672.1	3643.2	3628.8	3640.8	3630.5	3650.1	3614.3	3597.4
50°	4091.0	4101.1	4092.7	4072.2	4072.3	4092.7	4107.2	4125.8	4153.0	4112.2	4051.0
52.5°	4413.8	4422.4	4435.0	4452.1	4493.7	4537.1	4598.2	4663.7	4715.5	4707.8	4638.2
55°	4611.0	4621.1	4642.4	4701.1	4775.8	4889.7	5028.1	5180.2	5299.2	5356.9	5305.9
57.5°	4677.2	4684.9	4742.7	4813.1	4929.5	5098.6	5330.6	5593.2	5821.6	5967.0	5944.0
60°	4662.0	4662.0	4720.5	4817.4	4980.5	5204.9	5532.9	5896.4	6246.5	6464.0	6431.7
62.5°	4501.4	4509.8	4594.0	4710.4	4907.6	5175.9	5566.7	6031.5	6450.5	6720.6	6694.3
65°	4149.6	4155.6	4246.4	4385.0	4605.1	4922.8	5350.2	5865.0	6345.1	6605.1	6555.8
67.5°	3581.2	3587.2	3661.0	3817.4	4050.3	4382.4	4843.8	5410.5	5880.3	6085.9	5938.1
70°	2848.8	2865.8	2913.4	3079.1	3255.8	3581.2	4006.0	4572.7	5016.2	5210.8	5047.7
72.5°	1941.4	1984.8	2042.5	2189.5	2358.5	2628.8	2966.9	3444.4	3800.4	4025.6	3880.2
75°	1093.5	1154.6	1172.5	1283.8	1423.1	1636.5	1883.6	2226.1	2585.4	2768.1	2593.1
77.5°	472.4	522.5	544.6	596.5	705.1	794.4	944.7	1175.8	1453.7	1582.0	1372.1
80°	232.8	244.7	254.0	270.2	300.8	329.7	401.0	502.1	616.0	644.8	513.1
82.5°	180.1	188.7	204.8	217.5	225.1	232.7	239.6	253.2	264.2	270.1	254.9
85°	126.6	137.7	155.5	169.9	178.4	184.4	190.3	194.6	184.4	168.3	176.7
87.5°	33.1	43.3	60.3	65.5	74.0	78.1	76.5	79.1	71.3	51.9	57.8
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°	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1096.9	1096.0	1096.9	1096.8	1096.9	1096.0	1096.0	1096.0
5°	1116.5	1116.5	1117.3	1115.5	1115.5	1116.5	1115.5	1114.7
7.5°	1149.6	1148.7	1148.7	1147.9	1148.7	1147.8	1147.9	1147.0
10°	1193.7	1192.0	1192.9	1190.3	1190.3	1189.5	1189.5	1189.5
12.5°	1241.3	1238.7	1239.6	1237.0	1232.8	1233.7	1234.5	1233.7
15°	1287.2	1284.7	1282.1	1280.4	1277.9	1278.7	1278.7	1277.9
17.5°	1333.9	1328.8	1328.0	1325.4	1324.6	1324.6	1324.6	1325.4
20°	1382.4	1379.0	1378.1	1375.5	1374.7	1377.2	1378.1	1376.4
22.5°	1434.2	1432.5	1434.1	1432.5	1435.0	1436.7	1437.6	1435.9
25°	1499.6	1497.9	1500.5	1506.4	1509.8	1511.5	1515.7	1514.1
27.5°	1583.7	1582.0	1587.9	1596.5	1601.6	1610.1	1614.3	1616.0
30°	1692.5	1700.1	1703.5	1720.6	1723.9	1737.5	1737.5	1743.5
32.5°	1850.5	1864.9	1890.4	1916.8	1953.3	1979.6	1979.6	1993.2
35°	2197.1	2203.1	2222.6	2226.9	2234.5	2243.0	2234.5	2241.3
37.5°	2463.2	2436.8	2418.1	2391.6	2375.6	2375.6	2377.3	2375.5
40°	2599.1	2588.9	2580.4	2558.2	2554.8	2554.1	2554.1	2557.4
42.5°	2842.1	2817.3	2803.7	2785.1	2779.2	2777.5	2776.6	2778.3
45°	3158.1	3118.2	3081.7	3062.9	3046.7	3031.5	3036.7	3036.6
47.5°	3526.0	3464.0	3404.5	3372.2	3344.2	3331.4	3323.0	3320.4
50°	3973.8	3887.1	3810.6	3750.3	3709.5	3708.7	3713.0	3685.7
52.5°	4522.6	4385.9	4290.6	4209.1	4170.8	4166.6	4153.0	4137.7
55°	5131.0	4968.7	4811.5	4723.9	4673.9	4646.6	4630.5	4605.1
57.5°	5758.0	5539.6	5313.6	5173.4	5085.1	5023.8	4991.7	4977.1
60°	6241.3	5943.2	5645.0	5419.8	5272.8	5181.9	5125.8	5102.9
62.5°	6431.7	6027.3	5645.0	5349.3	5136.9	5011.2	4935.5	4902.4
65°	6204.9	5725.7	5290.6	4964.4	4727.3	4587.2	4504.8	4469.1
67.5°	5571.0	5147.9	4674.6	4350.2	4106.3	3967.8	3878.6	3852.2
70°	4670.4	4238.0	3786.0	3496.2	3278.7	3165.8	3073.1	3062.1
72.5°	3509.8	3136.9	2749.4	2509.8	2334.8	2147.9	2100.3	2124.1
75°	2249.9	1900.7	1555.7	1339.9	1180.1	1001.7	932.9	949.9
77.5°	1065.5	824.9	595.5	460.5	386.6	330.5	316.1	307.5
80°	395.1	320.4	282.9	268.5	258.2	248.9	242.1	234.5
82.5°	255.8	249.9	242.1	239.6	232.0	220.1	198.0	188.7
85°	191.2	191.2	180.9	181.8	175.9	160.6	140.2	129.1
87.5°	56.1	50.0	45.9	42.5	41.7	37.4	27.2	23.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)