

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: P180008

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180008
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
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (126) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17993.2 lumens
Efficiency: N/A
Efficacy: 119.6 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

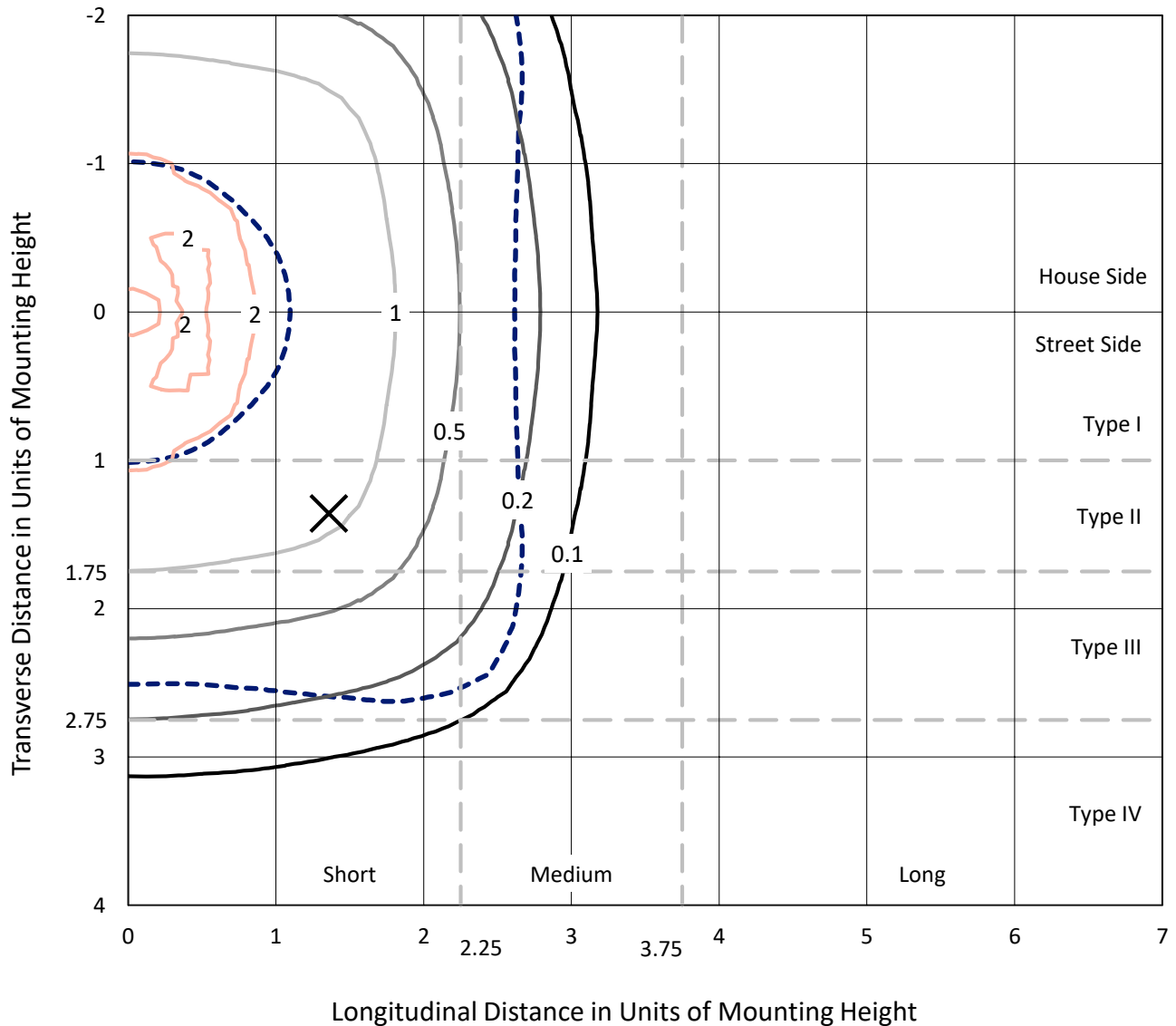


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Iso-Footcandle Lines of Horizontal Illumination

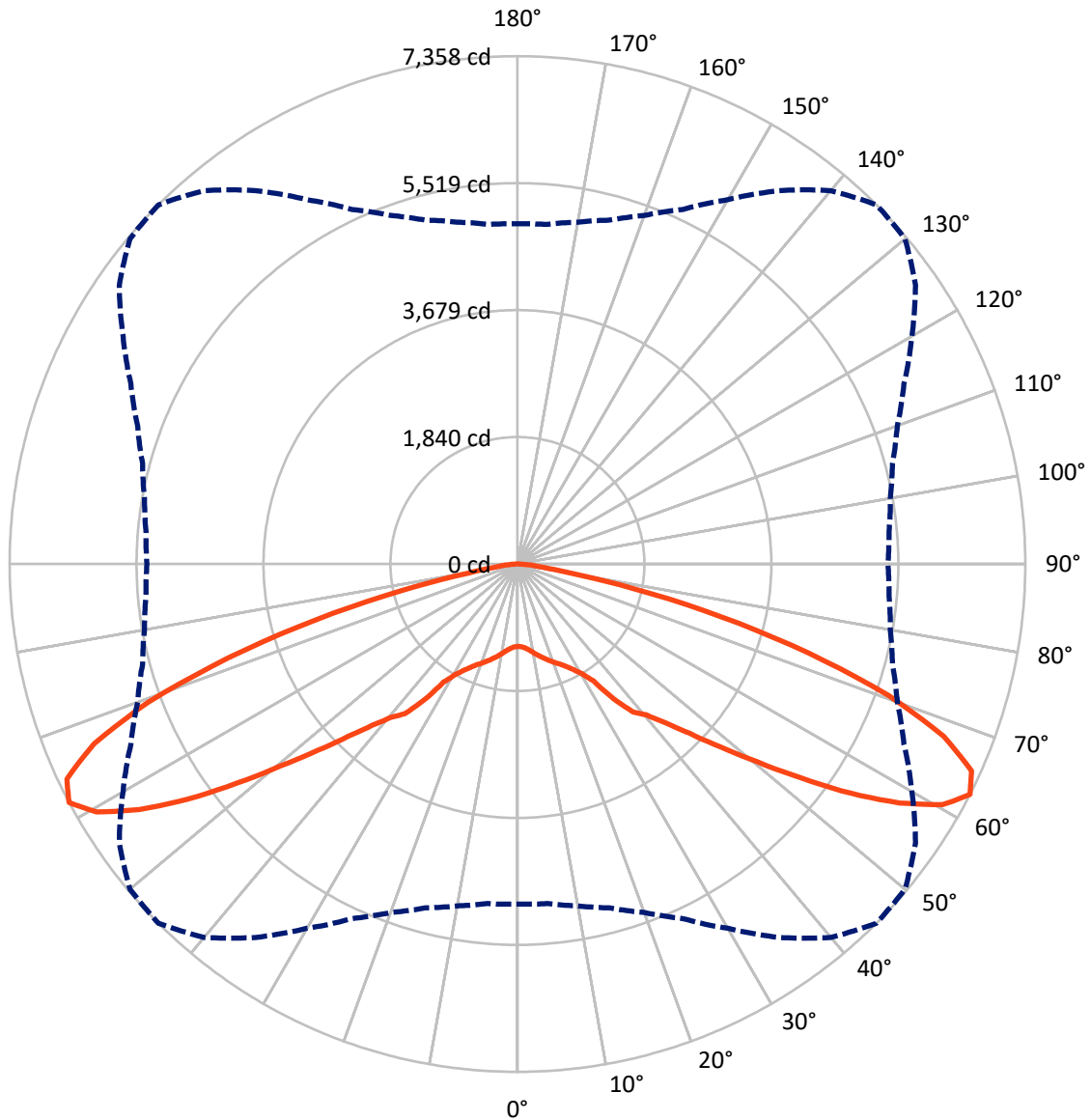
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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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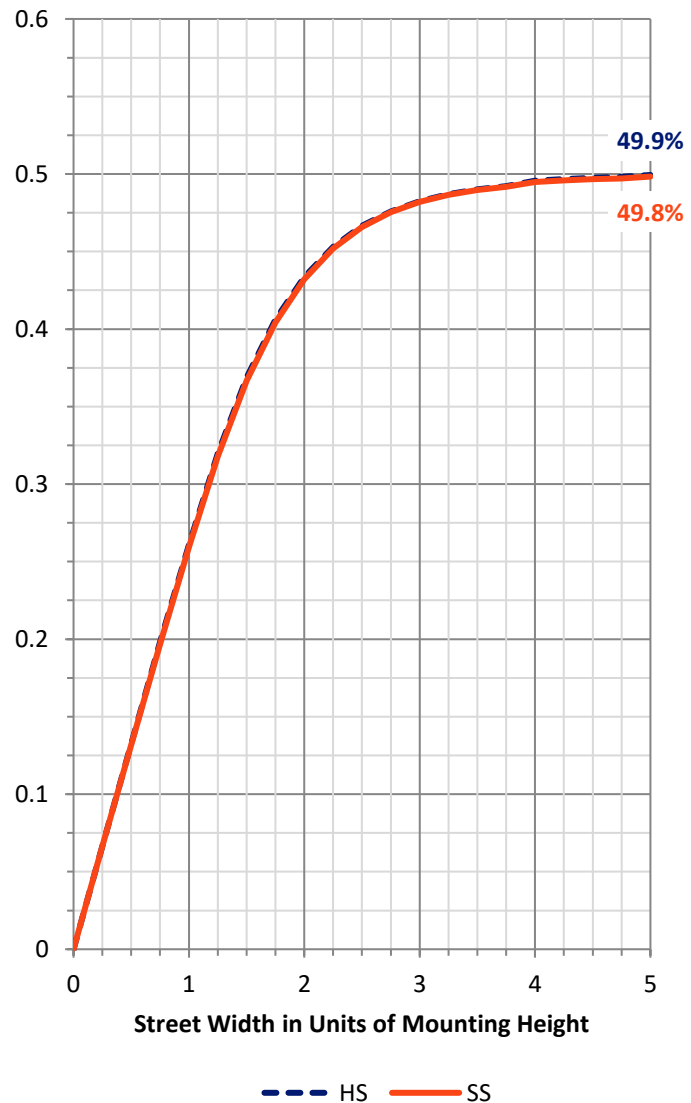
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8996.6	0.0	8996.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8996.6	0.0	8996.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	17993.2	0.0	17993.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.7	0.7
10°-20°	404.6	2.2
20°-30°	782.3	4.3
30°-40°	1514.7	8.4
40°-50°	2735.0	15.2
50°-60°	4755.8	26.4
60°-70°	5399.1	30.0
70°-80°	2093.2	11.6
80°-90°	188.8	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°	17993.2	100.0
0°-180°	17993.2	100.0



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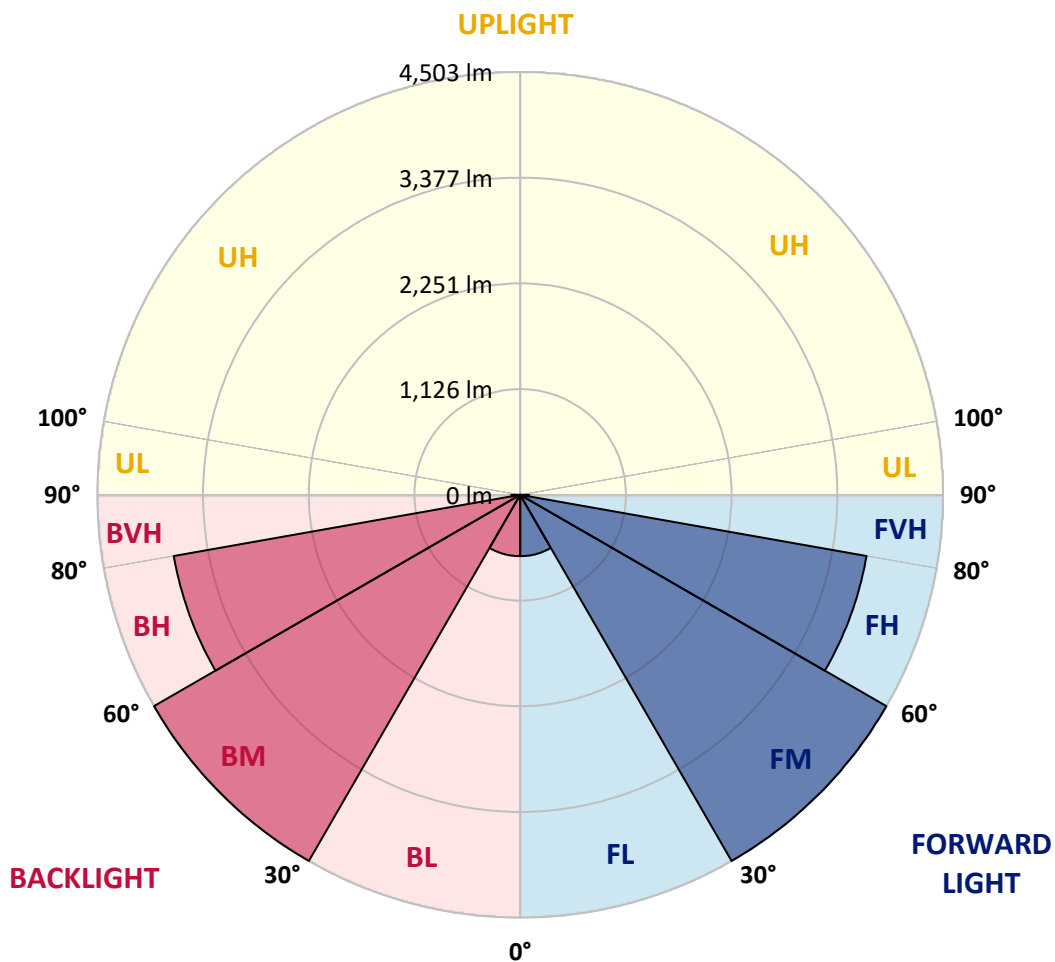
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	653.3	3.6			
FM	(30°-60°)	4502.8	25.0			
FH	(60°-80°)	3746.1	20.8			G2/5000
FVH	(80°-90°)	94.4	0.5			G1/100
BL	(0°-30°)	653.3	3.6	B2/1000		
BM	(30°-60°)	4502.8	25.0	B3/5000		
BH	(60°-80°)	3746.1	20.8	B4/5000		G2/5000
BVH	(80°-90°)	94.4	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°	1194.4	1194.4	1194.4	1194.4	1194.4	1194.4	1194.4	1194.4	1194.4	1194.4	1194.4
2.5°	1201.9	1205.6	1204.7	1202.8	1202.8	1202.8	1201.9	1199.1	1198.1	1200.0	1201.9
5°	1229.8	1229.8	1229.8	1229.8	1227.9	1227.9	1226.1	1224.2	1225.1	1223.3	1222.3
7.5°	1272.6	1269.8	1269.8	1268.8	1268.8	1267.0	1264.2	1260.5	1261.4	1260.5	1259.5
10°	1322.8	1323.7	1320.9	1323.7	1319.1	1318.1	1314.4	1312.6	1311.6	1308.8	1308.8
12.5°	1383.3	1380.5	1380.5	1378.6	1376.8	1374.9	1369.3	1368.4	1364.7	1362.8	1360.0
15°	1440.0	1439.1	1435.4	1431.6	1430.7	1428.8	1422.3	1418.6	1417.7	1413.0	1409.3
17.5°	1496.8	1494.9	1490.2	1488.4	1484.7	1481.9	1476.3	1470.7	1467.9	1466.1	1461.4
20°	1557.2	1555.4	1550.7	1547.0	1542.3	1538.6	1530.2	1525.6	1522.8	1520.0	1516.3
22.5°	1632.6	1628.8	1621.4	1614.9	1604.7	1600.9	1589.8	1583.3	1578.6	1574.9	1573.0
25°	1714.4	1715.4	1705.1	1696.8	1684.7	1674.4	1660.5	1653.0	1648.4	1644.7	1643.7
27.5°	1816.8	1817.7	1808.4	1796.3	1777.7	1766.5	1747.9	1738.6	1735.8	1732.1	1731.2
30°	1978.6	1970.2	1954.4	1934.9	1918.2	1894.0	1867.0	1857.7	1848.4	1845.6	1845.6
32.5°	2276.3	2271.6	2258.6	2210.2	2187.9	2137.7	2090.2	2063.3	2032.6	2017.7	2008.4
35°	2484.7	2482.8	2472.6	2455.8	2441.9	2431.6	2403.7	2399.1	2393.5	2393.5	2400.9
37.5°	2638.2	2627.0	2625.1	2627.9	2624.2	2626.1	2648.4	2679.1	2705.1	2718.2	2716.3
40°	2865.1	2849.3	2858.6	2852.1	2843.7	2841.9	2849.3	2861.4	2873.5	2873.5	2870.7
42.5°	3161.9	3169.3	3173.0	3146.1	3128.4	3123.7	3141.4	3137.7	3149.8	3145.1	3133.0
45°	3602.8	3598.2	3591.6	3559.1	3531.2	3508.9	3513.5	3507.0	3507.9	3500.5	3491.2
47.5°	4047.5	4063.3	4036.3	4020.5	3988.9	3973.0	3986.1	3974.9	3996.3	3957.2	3938.6
50°	4479.1	4490.3	4481.0	4458.6	4458.6	4481.0	4496.8	4517.2	4547.0	4502.4	4435.4
52.5°	4832.6	4841.9	4855.8	4874.4	4920.0	4967.5	5034.4	5106.1	5162.8	5154.5	5078.2
55°	5048.4	5059.6	5082.8	5147.0	5228.9	5353.5	5505.1	5671.7	5801.9	5865.2	5809.3
57.5°	5121.0	5129.3	5192.6	5269.8	5397.2	5582.4	5836.3	6123.8	6374.0	6533.1	6507.9
60°	5104.2	5104.2	5168.4	5274.5	5453.1	5698.6	6057.7	6455.9	6839.1	7077.3	7041.9
62.5°	4928.4	4937.7	5029.8	5157.2	5373.1	5667.0	6094.9	6603.8	7062.4	7358.2	7329.3
65°	4543.3	4549.8	4649.3	4801.0	5041.9	5389.8	5857.7	6421.4	6947.0	7231.7	7177.7
67.5°	3921.0	3927.5	4008.4	4179.6	4434.4	4798.2	5303.3	5923.8	6438.2	6663.3	6501.4
70°	3119.1	3137.7	3189.8	3371.2	3564.7	3921.0	4386.1	5006.5	5492.1	5705.2	5526.5
72.5°	2125.6	2173.0	2236.3	2397.2	2582.3	2878.2	3248.4	3771.2	4161.0	4407.5	4248.4
75°	1197.2	1264.2	1283.7	1405.6	1558.1	1791.6	2062.3	2437.2	2830.7	3030.7	2839.1
77.5°	517.2	572.1	596.3	653.0	772.1	869.8	1034.4	1287.4	1591.6	1732.1	1502.3
80°	254.9	267.9	278.1	295.8	329.3	360.9	439.1	549.8	674.4	706.1	561.9
82.5°	197.2	206.5	224.2	238.1	246.5	254.9	262.3	277.2	289.3	295.8	279.1
85°	138.6	150.7	170.2	186.0	195.4	201.9	208.4	213.0	201.9	184.2	193.5
87.5°	36.3	47.4	66.0	71.6	80.9	85.6	83.7	86.5	78.1	56.7	63.3
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°	1194.4	1194.4	1194.4	1194.4	1194.4	1194.4	1194.4	1194.4
2.5°	1200.9	1200.0	1200.9	1200.9	1200.9	1200.0	1200.0	1200.0
5°	1222.3	1222.3	1223.3	1221.4	1221.4	1222.3	1221.4	1220.5
7.5°	1258.6	1257.7	1257.7	1256.8	1257.7	1256.8	1256.8	1255.8
10°	1307.0	1305.1	1306.1	1303.3	1303.3	1302.3	1302.3	1302.3
12.5°	1359.1	1356.3	1357.2	1354.4	1349.8	1350.7	1351.6	1350.7
15°	1409.3	1406.5	1403.7	1401.9	1399.1	1400.0	1400.0	1399.1
17.5°	1460.5	1454.9	1454.0	1451.2	1450.2	1450.2	1450.2	1451.2
20°	1513.5	1509.8	1508.8	1506.1	1505.1	1507.9	1508.8	1507.0
22.5°	1570.2	1568.4	1570.2	1568.4	1571.2	1573.0	1574.0	1572.1
25°	1641.9	1640.0	1642.8	1649.3	1653.0	1654.9	1659.5	1657.7
27.5°	1734.0	1732.1	1738.6	1747.9	1753.5	1762.8	1767.5	1769.3
30°	1853.0	1861.4	1865.1	1883.7	1887.5	1902.3	1902.3	1908.8
32.5°	2026.1	2041.9	2069.8	2098.6	2138.6	2167.5	2167.5	2182.3
35°	2405.6	2412.1	2433.5	2438.2	2446.5	2455.8	2446.5	2454.0
37.5°	2696.8	2667.9	2647.5	2618.6	2600.9	2600.9	2602.8	2600.9
40°	2845.6	2834.4	2825.1	2800.9	2797.2	2796.3	2796.3	2800.0
42.5°	3111.6	3084.7	3069.8	3049.3	3042.8	3040.9	3040.0	3041.9
45°	3457.7	3414.0	3374.0	3353.5	3335.8	3319.1	3324.7	3324.7
47.5°	3860.5	3792.6	3727.5	3692.1	3661.4	3647.5	3638.2	3635.4
50°	4350.7	4255.8	4172.1	4106.1	4061.4	4060.5	4065.1	4035.4
52.5°	4951.7	4801.9	4697.7	4608.4	4566.5	4561.9	4547.0	4530.3
55°	5617.7	5440.0	5267.9	5172.1	5117.2	5087.5	5069.8	5041.9
57.5°	6304.2	6065.2	5817.7	5664.2	5567.5	5500.5	5465.1	5449.3
60°	6833.5	6507.0	6180.5	5934.0	5773.1	5673.5	5612.1	5587.0
62.5°	7041.9	6599.1	6180.5	5856.8	5624.2	5486.5	5403.8	5367.5
65°	6793.5	6268.9	5792.6	5435.4	5175.8	5022.4	4932.1	4893.1
67.5°	6099.6	5636.3	5118.2	4762.8	4495.8	4344.2	4246.5	4217.7
70°	5113.5	4640.0	4145.1	3827.9	3589.8	3466.1	3364.7	3352.6
72.5°	3842.8	3434.4	3010.3	2747.9	2556.3	2351.6	2299.5	2325.6
75°	2463.3	2080.9	1703.3	1467.0	1292.1	1096.8	1021.4	1040.0
77.5°	1166.5	903.3	652.1	504.2	423.3	361.9	346.0	336.7
80°	432.6	350.7	309.8	294.0	282.8	272.6	265.1	256.7
82.5°	280.0	273.5	265.1	262.3	254.0	240.9	216.7	206.5
85°	209.3	209.3	198.1	199.1	192.6	175.8	153.5	141.4
87.5°	61.4	54.9	50.2	46.5	45.6	40.9	29.8	26.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)