

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: P180108

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180108
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
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (126) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17770.1 lumens
Efficiency: N/A
Efficacy: 118.1 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 - G3

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

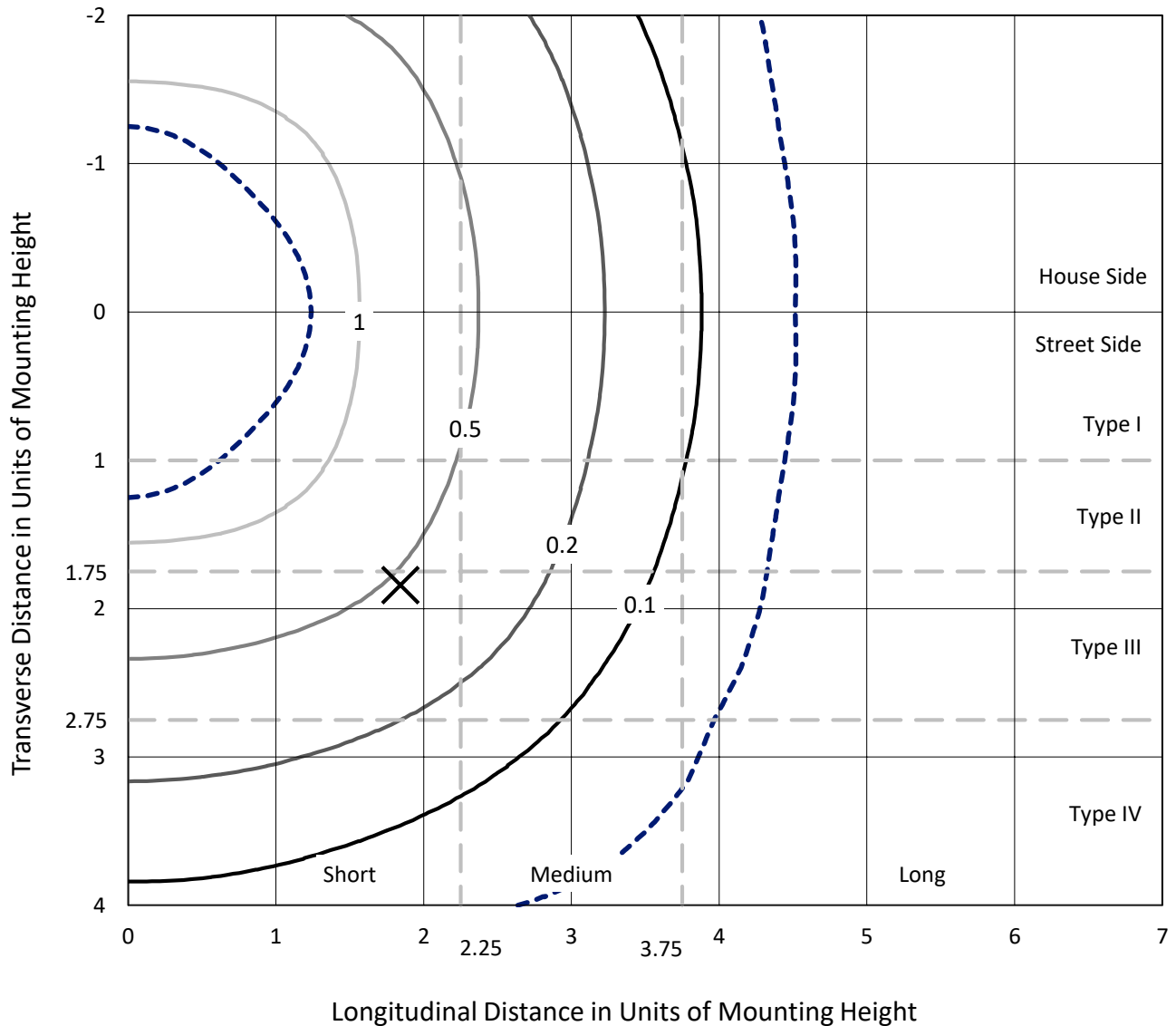


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Iso-Footcandle Lines of Horizontal Illumination

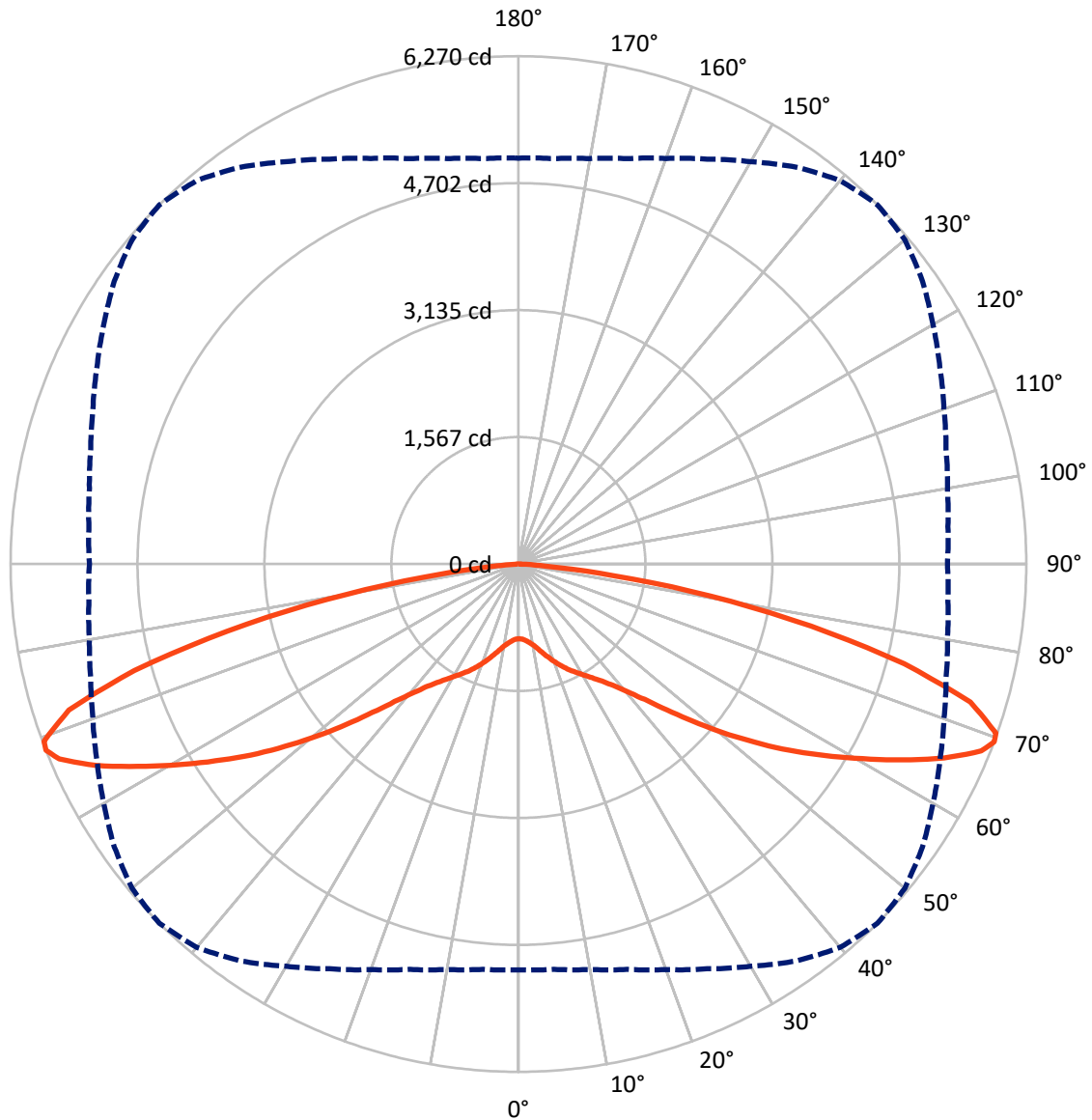
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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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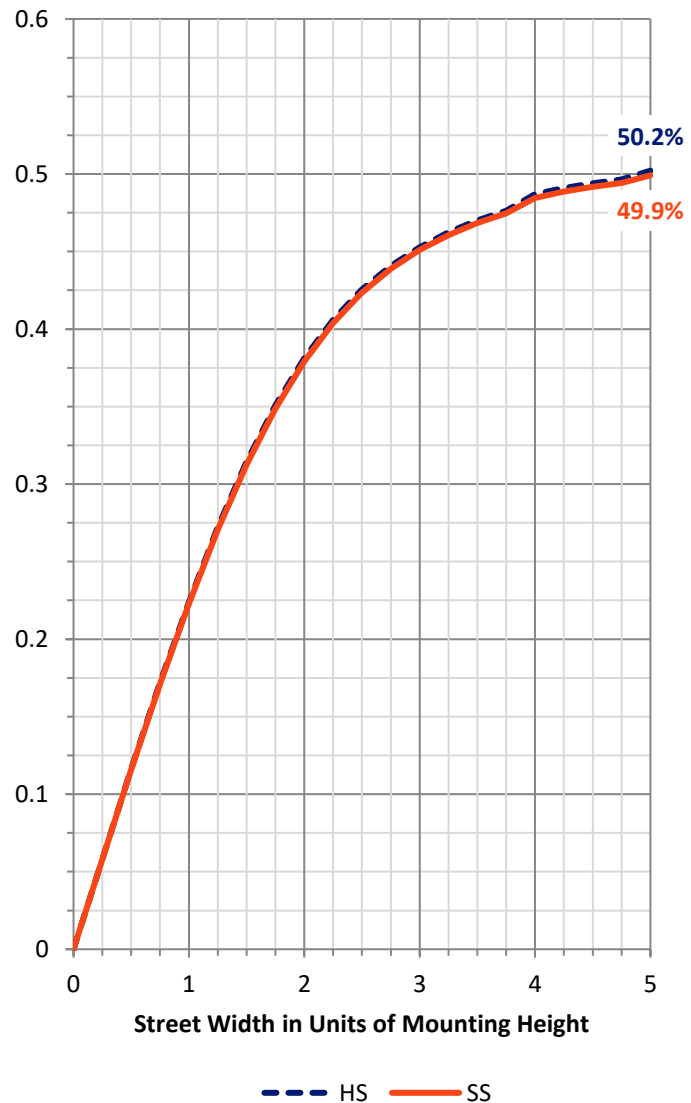
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8885.1	0.0	8885.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8885.1	0.0	8885.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	17770.1	0.0	17770.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.7	0.5
10°-20°	327.2	1.8
20°-30°	662.5	3.7
30°-40°	1110.8	6.3
40°-50°	1959.4	11.0
50°-60°	3455.3	19.4
60°-70°	5275.2	29.7
70°-80°	4408.0	24.8
80°-90°	479.0	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°	17770.1	100.0
0°-180°	17770.1	100.0



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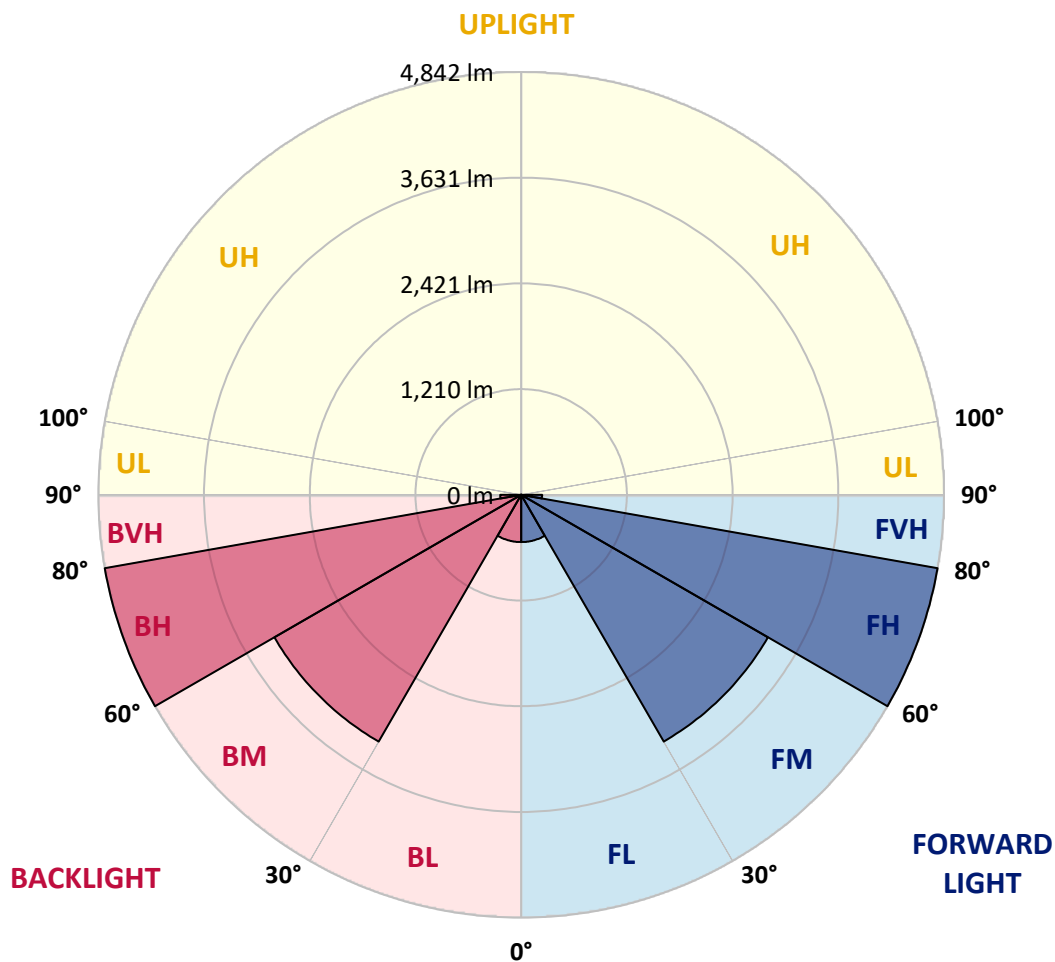
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	541.2	3.0			
FM (30°-60°)	3262.7	18.4			
FH (60°-80°)	4841.6	27.2			G2/5000
FVH (80°-90°)	239.5	1.3			G3/500
BL (0°-30°)	541.2	3.0	B2/1000		
BM (30°-60°)	3262.7	18.4	B3/5000		
BH (60°-80°)	4841.6	27.2	B4/5000		G2/5000
BVH (80°-90°)	239.5	1.3			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	922.8	922.8	922.8	922.8	922.8	922.8	922.8	922.8	922.8	922.8	922.8
2.5°	930.2	932.1	930.2	930.2	930.2	930.2	930.2	928.4	928.4	928.4	930.2
5°	948.8	950.7	948.8	950.7	950.7	950.7	950.7	948.8	948.8	948.8	948.8
7.5°	978.6	978.6	978.6	980.5	978.6	978.6	980.5	978.6	978.6	978.6	978.6
10°	1021.4	1019.5	1019.5	1019.5	1019.5	1019.5	1021.4	1021.4	1021.4	1019.5	1019.5
12.5°	1073.5	1071.6	1073.5	1073.5	1075.4	1075.4	1075.4	1075.4	1075.4	1075.4	1073.5
15°	1136.8	1136.8	1136.8	1138.6	1142.3	1142.3	1140.5	1142.3	1142.3	1142.3	1142.3
17.5°	1207.4	1211.2	1207.4	1209.3	1211.2	1209.3	1213.0	1214.9	1216.8	1214.9	1209.3
20°	1280.0	1281.9	1281.9	1281.9	1281.9	1285.6	1287.4	1287.4	1293.0	1291.2	1289.3
22.5°	1348.8	1352.6	1352.6	1354.4	1354.4	1360.0	1360.0	1360.0	1363.7	1367.5	1363.7
25°	1421.4	1419.5	1419.5	1423.3	1425.1	1432.6	1432.6	1436.3	1441.9	1443.7	1440.0
27.5°	1486.5	1484.7	1484.7	1490.2	1492.1	1501.4	1501.4	1508.8	1512.6	1514.4	1510.7
30°	1555.4	1555.4	1553.5	1559.1	1564.7	1572.1	1575.8	1583.3	1588.8	1590.7	1587.0
32.5°	1637.2	1633.5	1635.4	1639.1	1642.8	1650.2	1655.8	1665.1	1672.6	1674.4	1670.7
35°	1730.2	1724.7	1726.5	1730.2	1735.8	1747.0	1756.3	1761.9	1773.0	1776.8	1769.3
37.5°	1832.6	1834.4	1832.6	1841.9	1851.2	1864.2	1875.4	1882.8	1894.0	1899.5	1894.0
40°	1977.7	1972.1	1977.7	1987.0	2001.9	2018.6	2040.9	2046.5	2057.7	2068.8	2055.8
42.5°	2165.6	2161.9	2174.9	2182.3	2199.1	2217.7	2245.6	2260.5	2277.2	2284.7	2273.5
45°	2411.2	2411.2	2426.1	2427.9	2454.0	2478.2	2517.2	2535.8	2567.5	2567.5	2567.5
47.5°	2682.8	2694.0	2703.3	2721.9	2740.5	2785.1	2824.2	2865.1	2894.9	2898.6	2893.0
50°	2963.7	2974.9	3002.8	3028.9	3069.8	3125.6	3168.4	3222.3	3248.4	3270.7	3263.3
52.5°	3274.4	3276.3	3309.8	3343.3	3402.8	3464.2	3533.0	3588.9	3635.4	3655.8	3639.1
55°	3614.9	3618.6	3648.4	3683.7	3750.7	3821.4	3907.0	3964.7	4024.2	4061.4	4033.5
57.5°	3983.3	3985.1	4014.9	4057.7	4137.7	4208.4	4290.3	4372.1	4427.9	4461.4	4442.8
60°	4390.7	4400.0	4422.4	4476.3	4552.6	4627.0	4708.9	4781.4	4846.5	4881.9	4863.3
62.5°	4826.1	4835.4	4867.0	4909.8	4976.8	5058.6	5136.8	5229.8	5283.8	5322.8	5294.9
65°	5118.2	5134.9	5185.1	5242.8	5341.4	5447.5	5538.6	5665.2	5730.3	5776.8	5750.7
67.5°	5136.8	5146.1	5207.5	5294.9	5427.0	5587.0	5773.1	5970.3	6098.6	6160.0	6115.4
69°	5010.3	5023.3	5082.8	5181.4	5328.4	5514.5	5735.8	5981.4	6178.6	6269.8	6227.0
70°	4867.0	4894.9	4960.0	5067.9	5211.2	5406.5	5635.4	5897.7	6128.4	6253.1	6221.4
72.5°	4565.6	4573.1	4615.8	4701.4	4811.2	4973.1	5188.9	5436.3	5655.8	5834.5	5860.5
75°	4052.1	4076.3	4107.9	4165.6	4221.4	4338.6	4483.7	4653.1	4781.4	4919.1	4924.7
77.5°	3062.3	3134.9	3159.1	3172.1	3196.3	3289.3	3415.8	3562.8	3668.9	3691.2	3687.5
80°	1374.9	1471.6	1494.0	1600.0	1665.1	1819.5	2013.0	2238.2	2388.9	2405.6	2364.7
82.5°	269.8	288.4	336.7	420.5	573.0	664.2	790.7	948.8	1094.0	1177.7	1127.4
85°	89.3	94.9	109.8	120.9	139.5	158.1	191.6	238.1	295.8	327.4	292.1
87.5°	35.3	35.3	40.9	44.7	48.4	48.4	48.4	44.7	42.8	35.3	31.6
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°	922.8	922.8	922.8	922.8	922.8	922.8	922.8	922.8
2.5°	928.4	928.4	928.4	928.4	928.4	928.4	928.4	928.4
5°	948.8	947.0	947.0	945.1	945.1	945.1	945.1	945.1
7.5°	976.8	974.9	973.0	974.9	973.0	973.0	973.0	973.0
10°	1019.5	1015.8	1014.0	1012.1	1012.1	1012.1	1010.2	1010.2
12.5°	1069.8	1069.8	1067.9	1066.1	1062.3	1064.2	1062.3	1058.6
15°	1138.6	1134.9	1133.0	1131.2	1127.4	1127.4	1127.4	1125.6
17.5°	1207.4	1203.7	1203.7	1198.1	1196.3	1196.3	1196.3	1198.1
20°	1283.7	1278.1	1274.4	1270.7	1267.0	1268.8	1265.1	1268.8
22.5°	1360.0	1352.6	1348.8	1343.3	1337.7	1337.7	1335.8	1332.1
25°	1434.4	1425.1	1421.4	1415.8	1408.4	1408.4	1404.7	1400.9
27.5°	1505.1	1495.8	1492.1	1480.9	1473.5	1471.6	1467.9	1466.1
30°	1583.3	1572.1	1566.5	1555.4	1544.2	1542.3	1536.8	1536.8
32.5°	1665.1	1654.0	1650.2	1633.5	1624.2	1624.2	1620.5	1616.8
35°	1767.5	1750.7	1747.0	1730.2	1717.2	1717.2	1713.5	1715.4
37.5°	1888.4	1875.4	1862.3	1849.3	1834.4	1832.6	1828.8	1825.1
40°	2050.2	2035.4	2020.5	2001.9	1988.8	1985.1	1979.5	1977.7
42.5°	2266.1	2251.2	2221.4	2206.5	2193.5	2182.3	2180.5	2178.6
45°	2541.4	2522.8	2502.3	2474.4	2457.7	2433.5	2429.8	2420.5
47.5°	2872.6	2837.2	2801.9	2777.7	2751.6	2723.7	2718.2	2703.3
50°	3224.2	3196.3	3136.8	3097.7	3056.8	3028.9	3010.3	3004.7
52.5°	3601.9	3549.8	3490.3	3438.2	3378.6	3341.4	3307.9	3298.6
55°	3996.3	3921.9	3847.5	3786.1	3726.5	3681.9	3650.3	3635.4
57.5°	4390.7	4308.9	4227.0	4160.0	4109.8	4052.1	4020.5	4013.0
60°	4801.9	4723.7	4640.0	4573.1	4511.7	4461.4	4442.8	4407.5
62.5°	5237.2	5155.4	5077.2	5012.1	4934.0	4898.6	4867.0	4846.5
65°	5665.2	5570.3	5471.7	5402.8	5324.7	5274.5	5235.4	5207.5
67.5°	5996.3	5853.1	5721.0	5605.6	5499.6	5421.4	5371.2	5345.1
69°	6089.3	5910.7	5741.4	5590.7	5466.1	5378.6	5322.8	5296.8
70°	6078.2	5881.0	5694.9	5529.3	5393.5	5300.5	5246.5	5198.2
72.5°	5734.0	5553.5	5347.0	5166.5	5043.8	4954.4	4900.5	4874.4
75°	4893.1	4772.1	4623.3	4483.7	4394.4	4342.4	4275.4	4277.2
77.5°	3562.8	3566.5	3466.1	3322.8	3222.3	3203.7	3174.0	3144.2
80°	2210.2	2033.5	1918.2	1763.7	1650.2	1551.6	1508.8	1415.8
82.5°	1019.5	796.3	617.7	467.0	359.1	280.9	245.6	200.9
85°	227.0	173.0	143.3	115.3	98.6	91.2	74.4	68.8
87.5°	31.6	27.9	26.0	24.2	20.5	14.9	11.2	9.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)