

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: P180186

Luminaire Tested: **ICM-E04-LED-E1-5XQ-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180186
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ICM-E04-LED-E1-5XQ-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (84) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9987.8 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G3

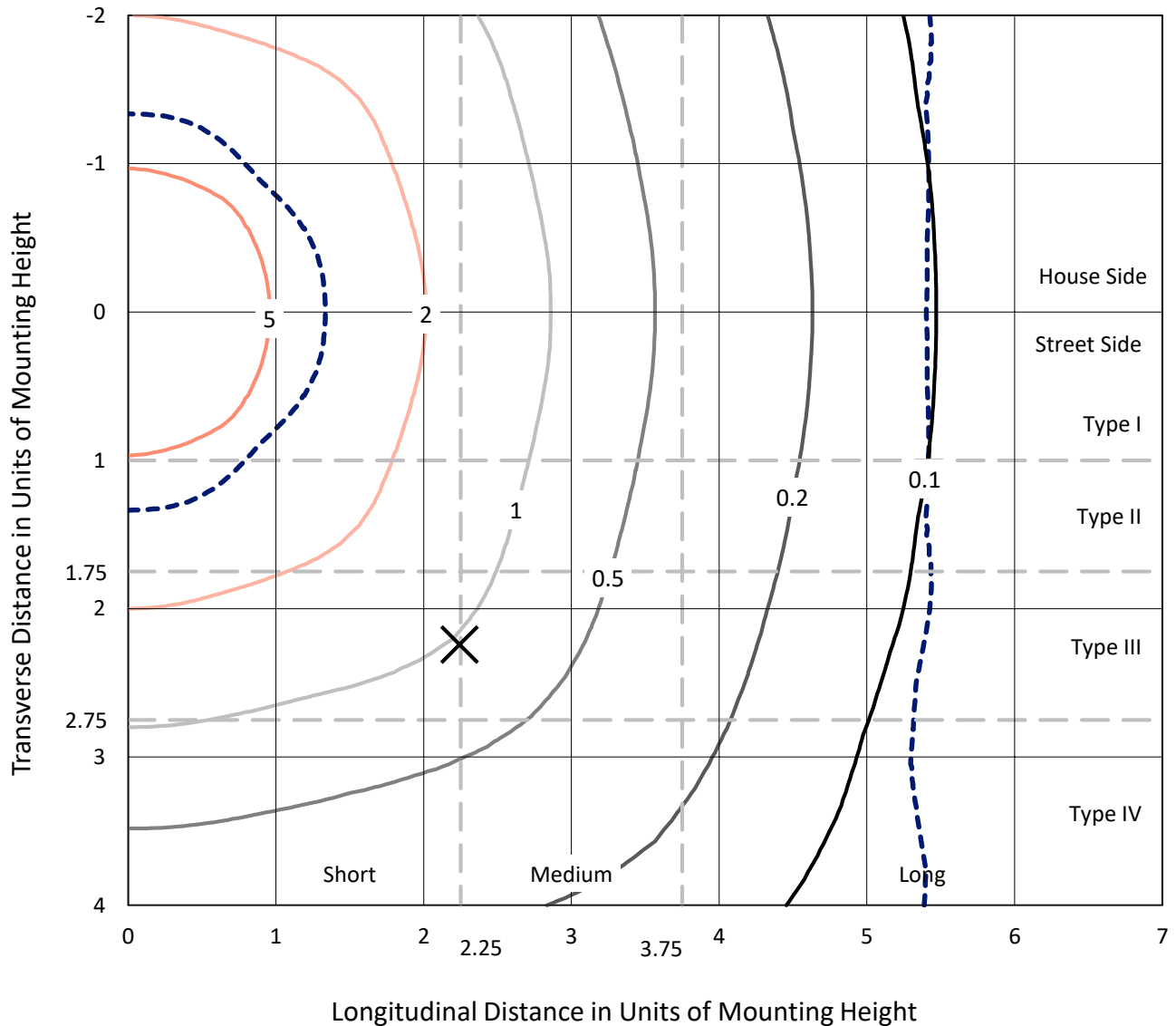
Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P180186
 CATALOG NUMBER: ICM-E04-LED-E1-5XQ-8030

Iso-Footcandle Lines of Horizontal Illumination

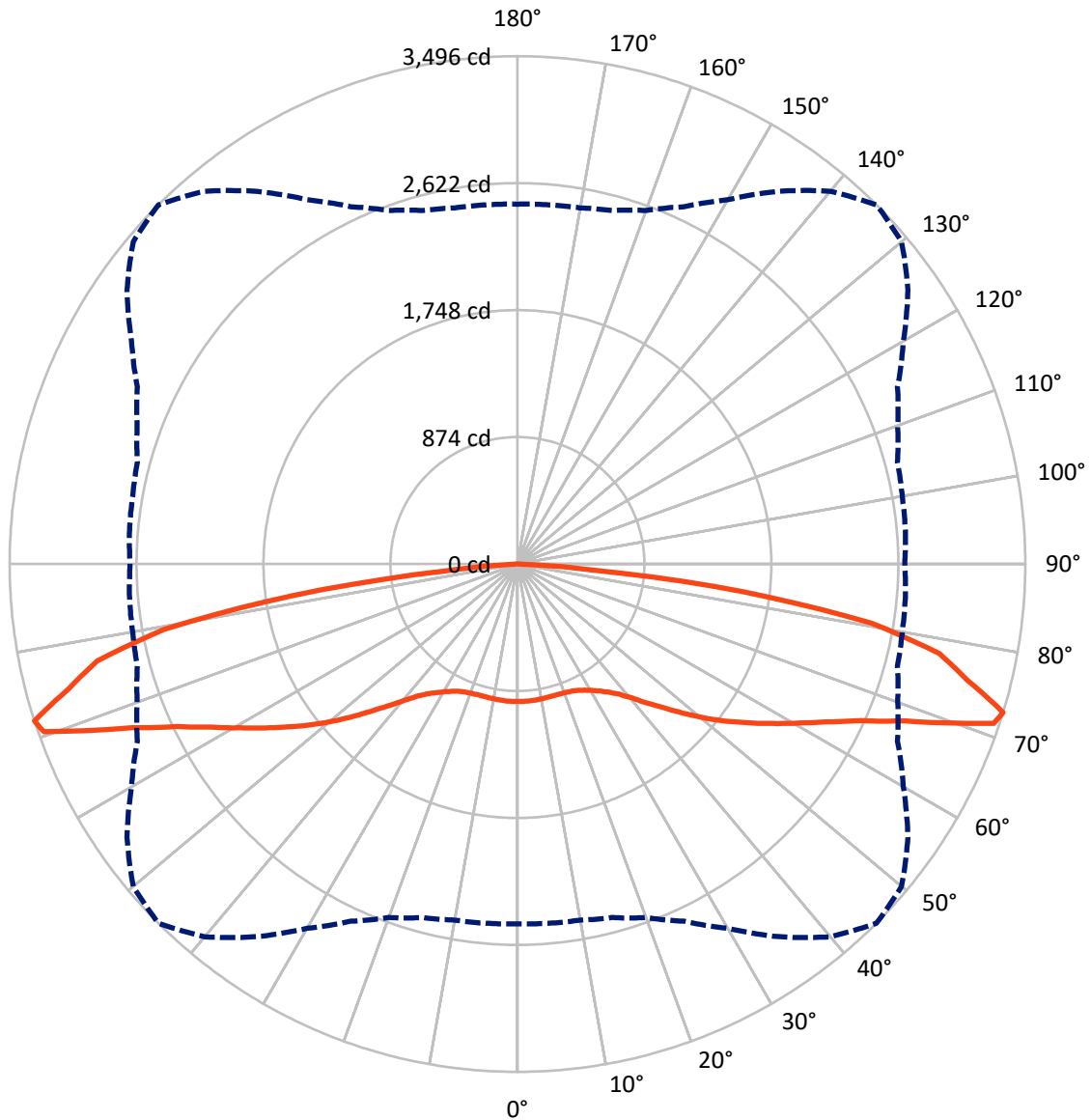
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P180186
CATALOG NUMBER: ICM-E04-LED-E1-5XQ-8030

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P180186

CATALOG NUMBER: ICM-E04-LED-E1-5XQ-8030

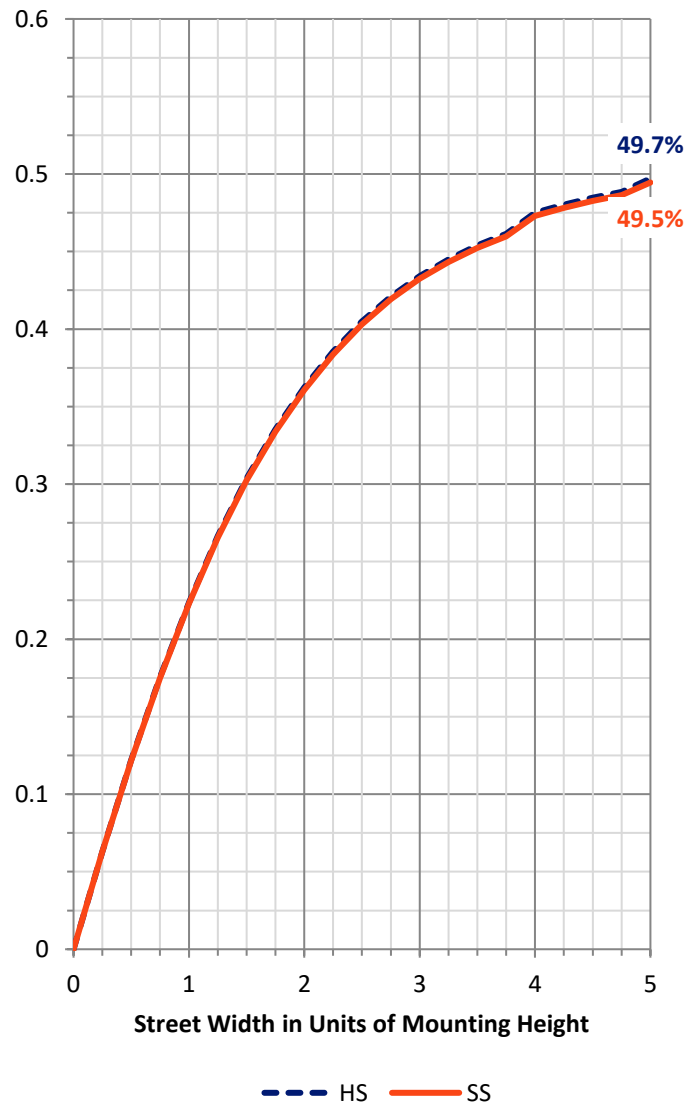
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4993.9	0.0	4993.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4993.9	0.0	4993.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	9987.8	0.0	9987.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.2	0.9
10°-20°	266.8	2.7
20°-30°	446.7	4.5
30°-40°	681.1	6.8
40°-50°	1087.5	10.9
50°-60°	1672.1	16.7
60°-70°	2434.6	24.4
70°-80°	2742.6	27.5
80°-90°	566.2	5.7
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°	9987.8	100.0
0°-180°	9987.8	100.0



REPORT NUMBER: P180186

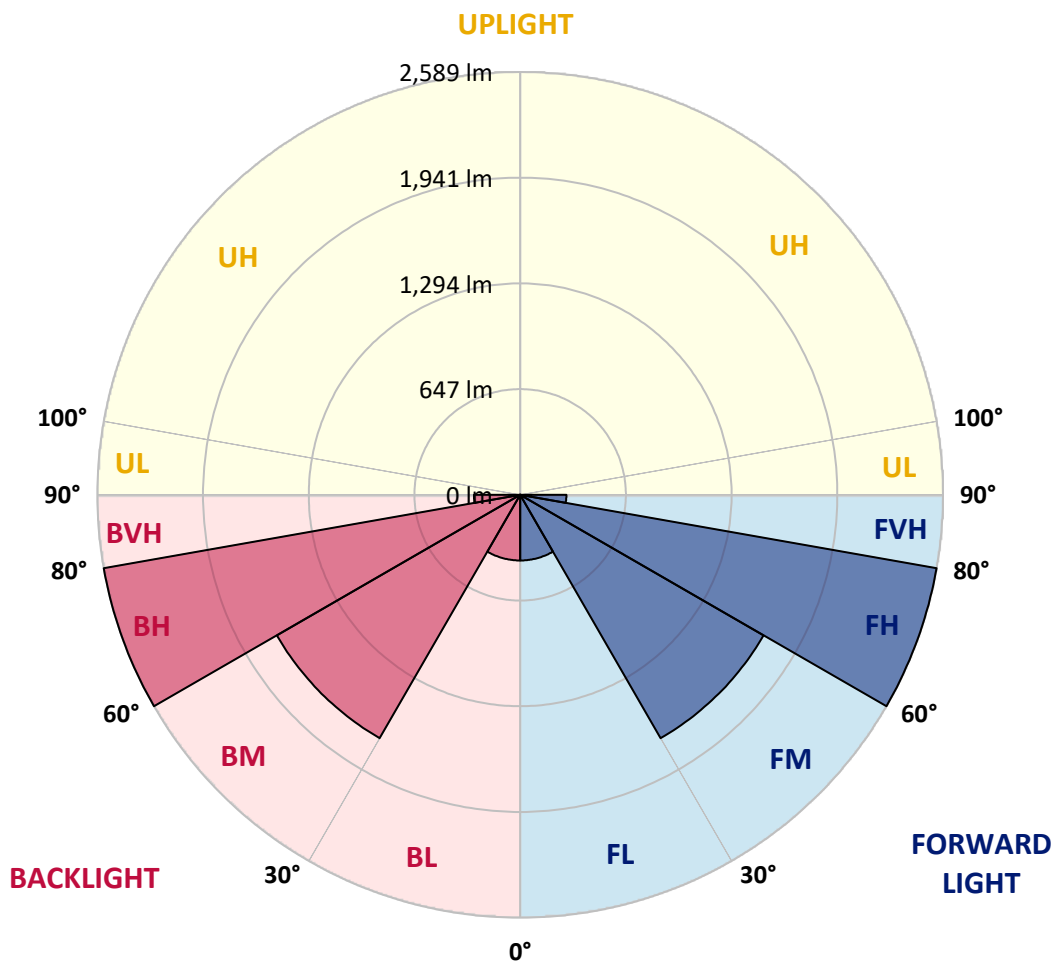
CATALOG NUMBER: ICM-E04-LED-E1-5XQ-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	401.9	4.0			
FM	(30°-60°)	1720.3	17.2			
FH	(60°-80°)	2588.6	25.9			G2/5000
FVH	(80°-90°)	283.1	2.8			G3/500
BL	(0°-30°)	401.9	4.0	B1/500		
BM	(30°-60°)	1720.3	17.2	B2/2500		
BH	(60°-80°)	2588.6	25.9	B4/5000		G2/5000
BVH	(80°-90°)	283.1	2.8			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





REPORT NUMBER: P180186

CATALOG NUMBER: ICM-E04-LED-E1-5XQ-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	946.3	946.3	946.3	946.3	946.3	946.3	946.3	946.3	946.3	946.3	946.3
2.5°	947.9	948.4	948.2	947.6	947.9	947.6	947.1	946.8	945.0	946.1	947.6
5°	947.9	947.4	947.1	946.8	946.8	947.6	946.8	946.1	945.8	946.3	945.5
7.5°	947.4	946.3	945.8	945.5	945.9	946.1	945.3	944.2	945.0	944.2	943.2
10°	945.9	945.0	945.3	944.2	944.5	944.2	943.2	942.3	942.9	942.1	940.8
12.5°	946.3	945.0	944.7	944.2	944.0	943.6	942.3	941.1	941.4	940.8	939.5
15°	946.3	945.5	945.3	944.2	944.0	943.4	941.9	941.4	941.3	940.6	939.0
17.5°	946.8	946.3	946.3	945.0	944.5	944.2	942.4	941.6	942.4	940.8	939.7
20°	948.5	947.9	948.2	947.4	946.3	946.3	945.0	944.5	944.7	944.5	941.6
22.5°	951.5	951.5	952.1	951.8	951.5	951.8	950.8	950.8	951.1	951.1	948.7
25°	960.5	960.2	960.8	960.8	960.9	962.8	962.1	961.8	963.1	963.1	960.8
27.5°	977.1	976.7	977.2	977.8	979.1	981.4	980.8	981.6	983.7	983.3	981.1
30°	996.6	996.1	997.3	998.9	1000.0	1003.6	1002.1	1006.0	1007.8	1009.4	1007.8
32.5°	1024.8	1024.8	1027.2	1028.3	1030.6	1034.2	1034.8	1038.0	1040.3	1042.9	1041.0
35°	1062.5	1062.0	1063.8	1065.7	1068.6	1071.9	1073.2	1077.4	1081.1	1082.9	1079.5
37.5°	1120.1	1117.2	1120.7	1121.7	1124.0	1124.8	1128.5	1133.7	1137.7	1137.1	1134.7
40°	1198.1	1197.6	1196.3	1194.7	1198.3	1199.6	1199.6	1206.7	1213.0	1211.9	1211.7
42.5°	1289.1	1286.8	1285.2	1285.2	1287.4	1287.8	1296.0	1301.2	1305.7	1306.7	1305.7
45°	1387.1	1384.8	1385.2	1384.2	1384.9	1388.3	1393.0	1402.7	1411.2	1411.4	1406.9
47.5°	1492.3	1484.9	1490.6	1482.5	1487.5	1490.1	1502.0	1516.0	1530.7	1533.3	1529.4
50°	1599.1	1598.2	1597.7	1596.1	1598.5	1604.3	1618.6	1640.8	1655.0	1664.5	1658.1
52.5°	1715.7	1711.8	1710.0	1707.4	1709.7	1720.9	1741.1	1760.5	1785.9	1796.6	1787.9
55°	1829.3	1828.0	1821.2	1820.9	1825.9	1843.5	1865.4	1889.2	1916.8	1928.8	1925.6
57.5°	1946.1	1938.4	1936.4	1933.2	1943.2	1959.6	1986.6	2029.5	2058.1	2071.6	2063.8
60°	2060.1	2054.3	2050.0	2048.8	2055.7	2078.7	2117.4	2169.0	2204.3	2222.2	2209.6
62.5°	2182.5	2178.9	2173.7	2167.6	2182.1	2211.6	2259.8	2316.9	2368.9	2390.9	2371.8
65°	2334.9	2327.3	2321.6	2314.0	2325.8	2363.0	2423.4	2503.7	2573.6	2599.3	2585.7
67.5°	2495.6	2488.6	2489.1	2484.3	2505.3	2556.9	2634.8	2743.9	2837.7	2881.3	2855.6
70°	2635.9	2639.8	2640.9	2659.9	2696.1	2774.6	2904.4	3075.3	3217.4	3284.1	3256.7
71°	2594.5	2603.2	2616.6	2636.4	2698.6	2791.6	2968.8	3175.8	3345.3	3458.4	3420.5
72.5°	2477.3	2482.5	2489.3	2519.7	2590.1	2713.1	2895.5	3132.1	3350.1	3496.4	3452.4
75°	2307.7	2312.7	2315.0	2336.2	2400.4	2507.6	2674.6	2884.5	3076.9	3201.4	3189.1
77.5°	2051.7	2052.6	2070.9	2103.5	2175.5	2298.2	2474.2	2691.9	2872.8	2969.5	2908.0
80°	1473.4	1463.5	1482.3	1524.5	1613.4	1754.2	1934.2	2182.9	2383.6	2474.2	2378.9
82.5°	560.6	590.9	638.8	708.5	738.5	895.1	1063.1	1209.1	1378.1	1567.1	1519.7
85°	60.3	67.8	85.0	105.5	133.2	184.2	254.6	347.5	428.5	503.5	447.0
87.5°	22.5	23.1	25.7	29.6	30.1	31.4	33.5	39.0	36.4	31.4	25.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P180186

CATALOG NUMBER: ICM-E04-LED-E1-5XQ-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	946.3	946.3	946.3	946.3	946.3	946.3	946.3	946.3
2.5°	946.3	946.6	946.3	946.6	946.6	945.5	945.8	945.3
5°	946.1	945.3	945.5	945.8	945.5	946.1	945.3	945.9
7.5°	944.7	943.2	943.7	943.7	943.2	944.0	943.4	943.2
10°	942.1	940.0	941.0	940.6	940.3	940.6	940.6	940.6
12.5°	939.7	938.4	938.8	938.4	938.2	939.0	938.7	939.0
15°	939.3	937.2	936.9	936.4	936.7	937.1	937.1	938.0
17.5°	938.8	936.1	935.8	935.4	935.6	936.7	936.9	936.4
20°	940.4	938.2	937.7	937.2	936.9	938.2	938.0	938.0
22.5°	947.6	945.0	944.7	942.7	941.9	942.7	942.1	942.1
25°	959.4	956.3	955.3	952.4	950.2	950.2	949.4	948.9
27.5°	980.7	975.9	974.9	972.5	969.6	970.1	968.6	968.3
30°	1005.2	1001.0	997.4	994.0	990.5	989.2	987.4	987.2
32.5°	1037.4	1032.7	1028.3	1024.1	1019.4	1017.5	1014.3	1012.8
35°	1076.9	1070.6	1065.4	1062.5	1057.8	1055.4	1053.4	1055.7
37.5°	1132.1	1124.6	1121.9	1118.5	1115.4	1111.7	1112.5	1111.7
40°	1208.6	1201.8	1199.1	1193.1	1192.4	1188.1	1190.7	1188.1
42.5°	1303.0	1290.4	1288.7	1283.9	1282.3	1280.0	1281.0	1279.3
45°	1405.9	1394.6	1392.5	1384.9	1385.2	1379.7	1381.8	1381.8
47.5°	1521.5	1509.8	1500.1	1494.6	1492.5	1489.1	1490.9	1490.6
50°	1640.8	1624.9	1614.1	1603.5	1598.7	1600.0	1596.4	1602.6
52.5°	1769.1	1745.3	1730.2	1719.9	1711.0	1712.8	1713.4	1715.2
55°	1901.8	1871.5	1849.5	1836.1	1828.0	1828.5	1830.9	1832.9
57.5°	2035.3	1997.3	1967.5	1947.5	1942.3	1944.8	1944.8	1944.4
60°	2173.7	2128.2	2089.7	2067.2	2062.5	2061.2	2071.5	2068.0
62.5°	2322.3	2267.6	2227.9	2199.1	2192.3	2197.0	2206.2	2204.1
65°	2519.5	2443.8	2392.6	2364.0	2352.5	2357.2	2369.5	2368.9
67.5°	2773.6	2667.8	2600.0	2563.4	2555.0	2560.8	2567.6	2574.2
70°	3153.5	3002.5	2905.7	2826.4	2792.4	2785.9	2792.7	2792.9
71°	3287.3	3113.7	2959.6	2862.8	2807.1	2783.5	2785.3	2773.5
72.5°	3281.8	3067.9	2887.6	2786.3	2708.9	2690.1	2680.9	2666.8
75°	3060.7	2868.0	2711.5	2601.1	2526.5	2504.2	2488.0	2487.3
77.5°	2775.6	2633.5	2461.0	2344.1	2253.2	2216.4	2199.8	2199.4
80°	2231.3	2018.5	1892.4	1822.0	1712.4	1680.7	1647.2	1634.6
82.5°	1349.4	1054.4	857.3	761.8	708.9	583.8	523.9	495.6
85°	314.3	223.3	153.9	101.0	72.7	57.9	44.5	39.3
87.5°	21.2	16.7	14.9	12.1	9.2	8.9	5.5	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)