

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: P180192

Luminaire Tested: **ICM-F04-LED-E1-5XQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180192
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-F04-LED-E1-5XQ-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (28) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8922.8 lumens
Efficiency: N/A
Efficacy: 87.3 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: B3 - U0 - G3

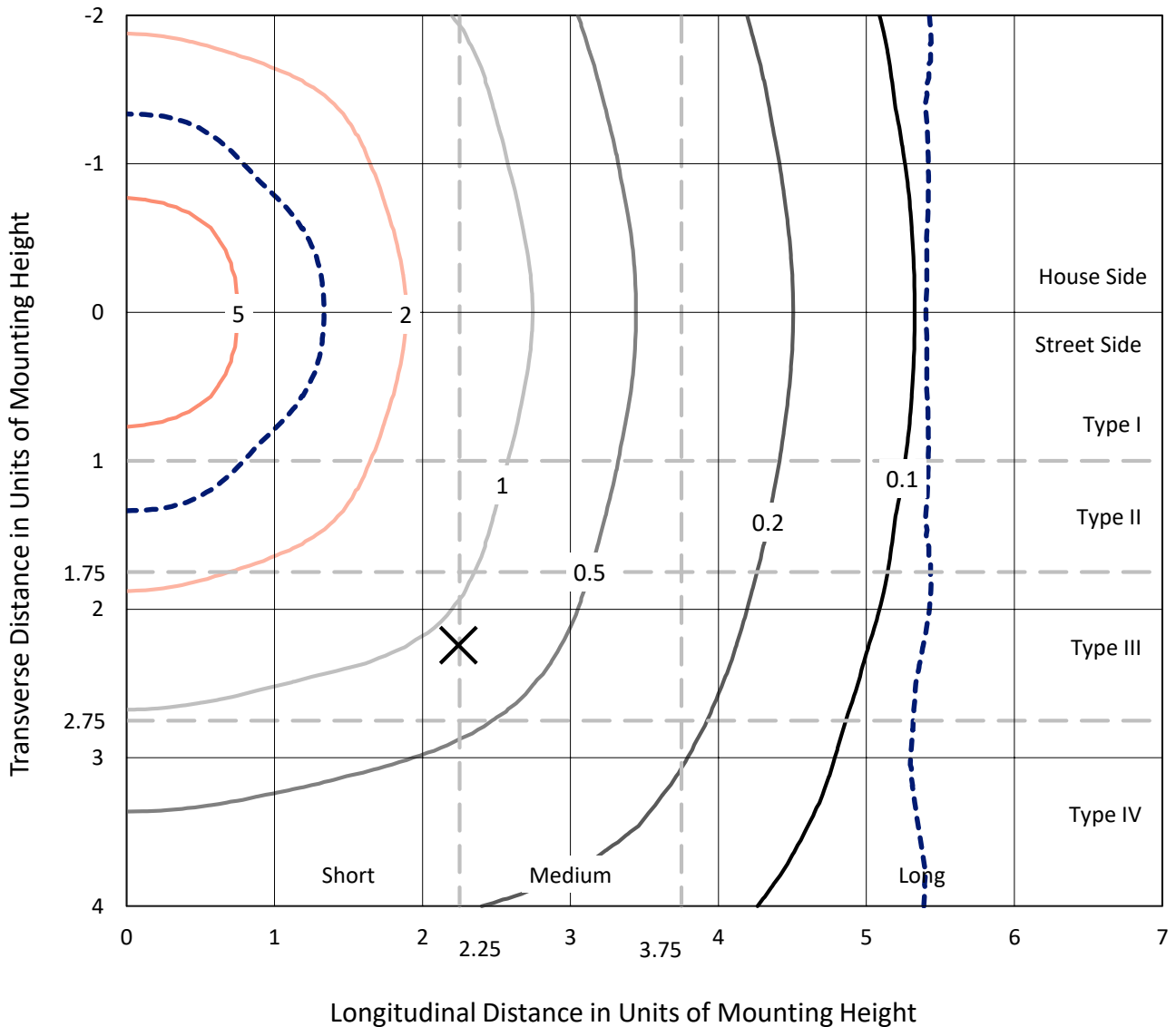
Input Watts (W): 102.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P180192
 CATALOG NUMBER: ICM-F04-LED-E1-5XQ-7030

Iso-Footcandle Lines of Horizontal Illumination

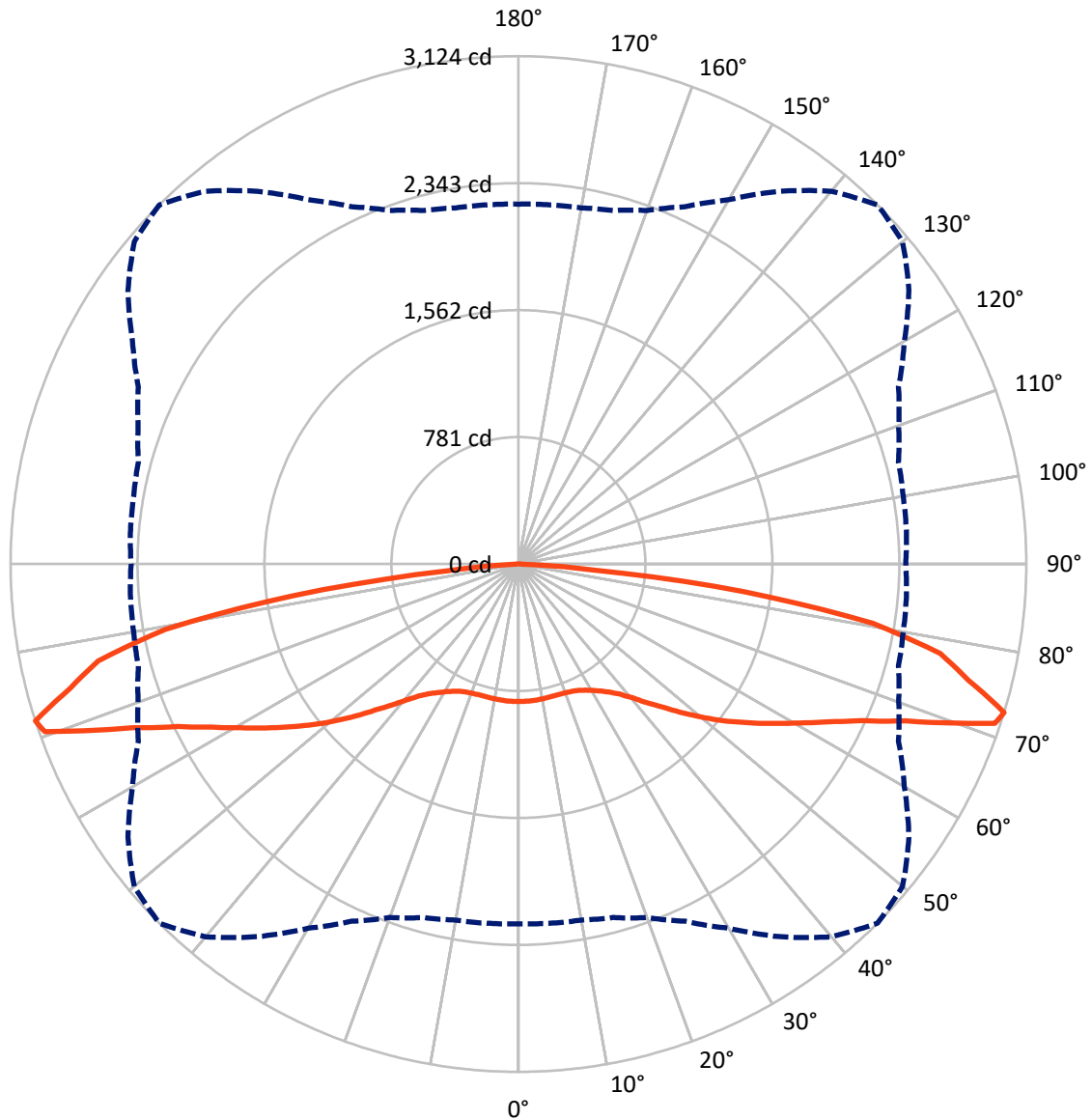
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P180192
CATALOG NUMBER: ICM-F04-LED-E1-5XQ-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P180192

CATALOG NUMBER: ICM-F04-LED-E1-5XQ-7030

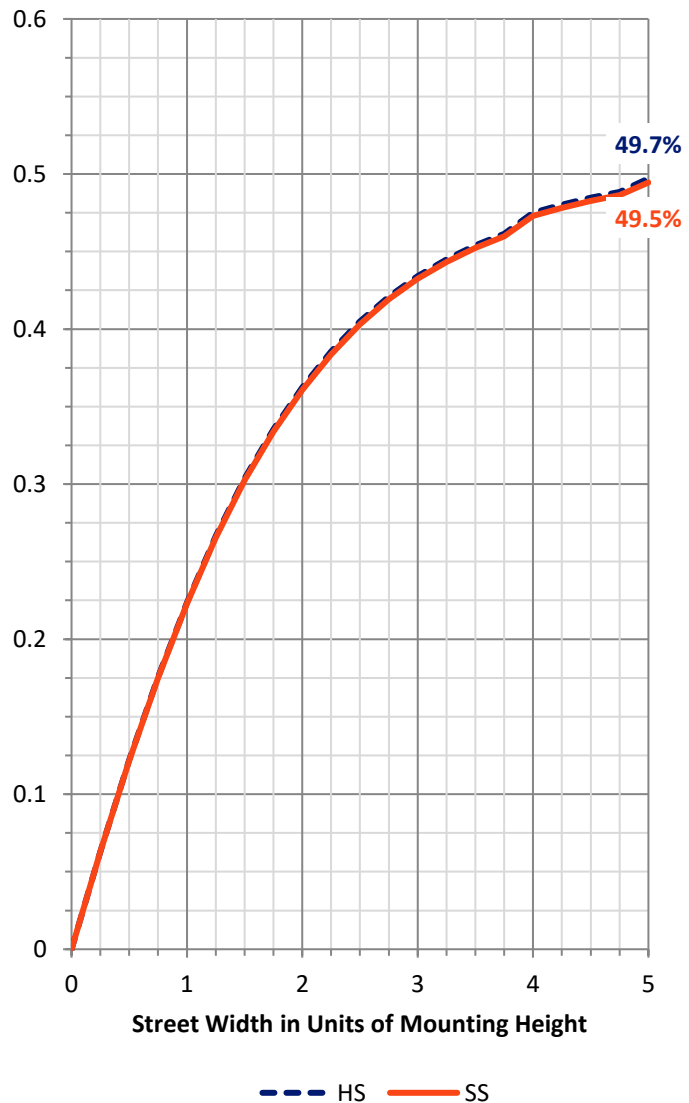
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4461.4	0.0	4461.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4461.4	0.0	4461.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	8922.8	0.0	8922.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.6	0.9
10°-20°	238.3	2.7
20°-30°	399.1	4.5
30°-40°	608.4	6.8
40°-50°	971.5	10.9
50°-60°	1493.8	16.7
60°-70°	2175.0	24.4
70°-80°	2450.1	27.5
80°-90°	505.8	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°	8922.8	100.0
0°-180°	8922.8	100.0



REPORT NUMBER: P180192

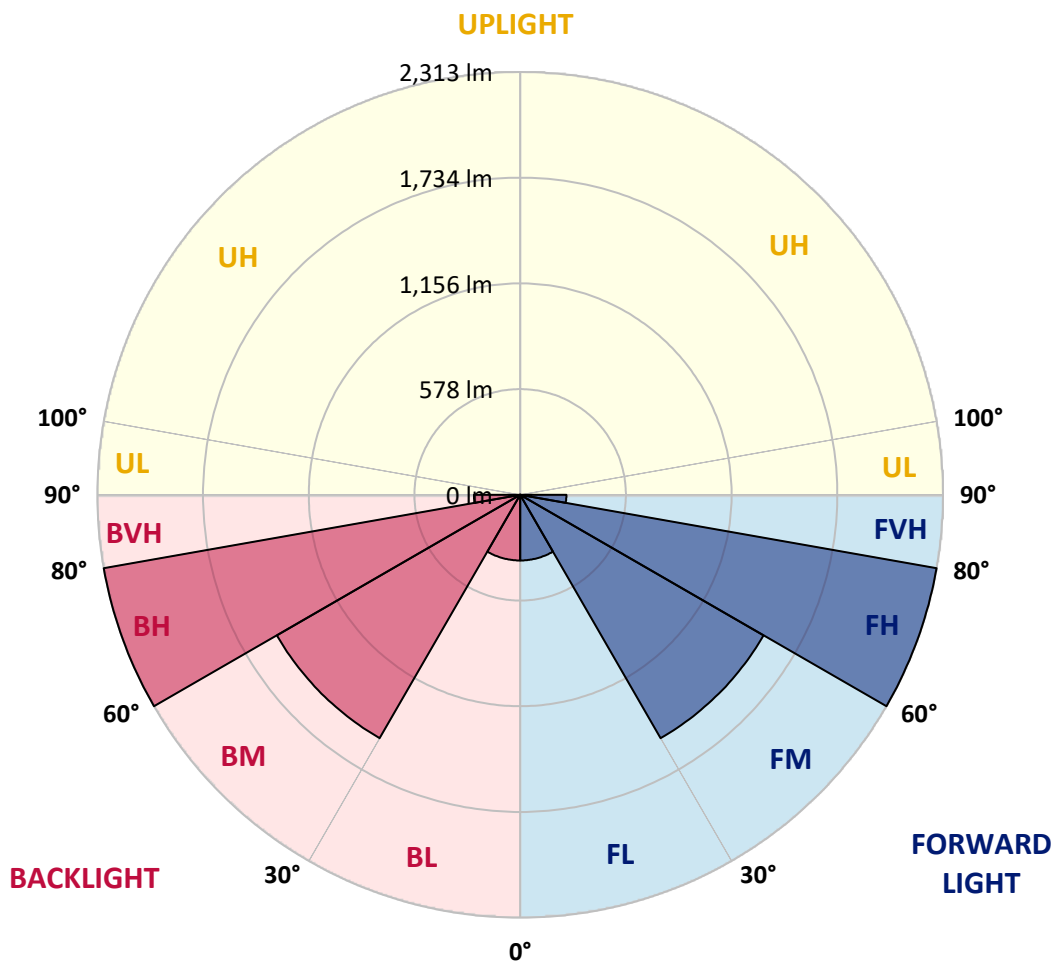
CATALOG NUMBER: ICM-F04-LED-E1-5XQ-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	359.0	4.0			
FM	(30°-60°)	1536.9	17.2			
FH	(60°-80°)	2312.6	25.9			G2/5000
FVH	(80°-90°)	252.9	2.8			G3/500
BL	(0°-30°)	359.0	4.0	B1/500		
BM	(30°-60°)	1536.9	17.2	B2/2500		
BH	(60°-80°)	2312.6	25.9	B3/2500		G2/5000
BVH	(80°-90°)	252.9	2.8			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type V Short





REPORT NUMBER: P180192

CATALOG NUMBER: ICM-F04-LED-E1-5XQ-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4
2.5°	846.9	847.3	847.1	846.6	846.8	846.5	846.1	845.9	844.3	845.2	846.6
5°	846.8	846.3	846.1	845.9	845.9	846.6	845.9	845.2	844.9	845.4	844.7
7.5°	846.3	845.4	844.9	844.7	844.9	845.2	844.5	843.5	844.3	843.5	842.6
10°	845.0	844.3	844.5	843.5	843.7	843.5	842.6	841.9	842.3	841.7	840.5
12.5°	845.4	844.3	844.0	843.5	843.4	843.1	841.9	840.7	840.9	840.5	839.4
15°	845.4	844.7	844.5	843.5	843.3	842.8	841.4	840.9	840.9	840.3	838.9
17.5°	846.0	845.4	845.4	844.3	843.7	843.5	841.9	841.2	841.9	840.5	839.5
20°	847.3	846.9	847.1	846.3	845.4	845.4	844.3	843.7	844.0	843.7	841.2
22.5°	850.1	850.1	850.6	850.3	850.1	850.3	849.4	849.4	849.7	849.7	847.5
25°	858.1	857.8	858.2	858.2	858.4	860.1	859.4	859.2	860.4	860.4	858.2
27.5°	873.0	872.6	873.0	873.5	874.6	876.7	876.3	877.0	878.9	878.3	876.5
30°	890.3	889.9	891.0	892.4	893.4	896.6	895.3	898.7	900.4	901.8	900.4
32.5°	915.5	915.5	917.7	918.6	920.7	924.0	924.5	927.3	929.3	931.7	930.1
35°	949.2	948.7	950.3	952.0	954.6	957.6	958.8	962.6	965.8	967.4	964.4
37.5°	1000.7	998.1	1001.1	1002.1	1004.2	1004.8	1008.2	1012.8	1016.3	1015.8	1013.8
40°	1070.3	1069.9	1068.8	1067.3	1070.5	1071.7	1071.7	1078.1	1083.6	1082.7	1082.5
42.5°	1151.6	1149.6	1148.2	1148.2	1150.1	1150.5	1157.8	1162.4	1166.4	1167.4	1166.4
45°	1239.1	1237.0	1237.5	1236.6	1237.2	1240.3	1244.6	1253.1	1260.7	1260.8	1256.9
47.5°	1333.1	1326.6	1331.7	1324.5	1328.9	1331.3	1341.8	1354.3	1367.5	1369.9	1366.3
50°	1428.5	1427.8	1427.4	1425.9	1428.1	1433.2	1446.1	1465.9	1478.5	1486.9	1481.3
52.5°	1532.8	1529.3	1527.6	1525.3	1527.5	1537.5	1555.5	1572.8	1595.5	1605.0	1597.3
55°	1634.2	1633.1	1627.0	1626.8	1631.2	1646.9	1666.4	1687.8	1712.4	1723.1	1720.3
57.5°	1738.5	1731.7	1729.9	1727.1	1735.9	1750.7	1774.8	1813.1	1838.6	1850.7	1843.7
60°	1840.5	1835.3	1831.4	1830.4	1836.5	1857.0	1891.6	1937.7	1969.3	1985.1	1974.0
62.5°	1949.9	1946.6	1942.0	1936.6	1949.4	1975.8	2018.8	2069.8	2116.4	2135.9	2118.9
65°	2086.0	2079.2	2074.1	2067.2	2077.8	2110.9	2164.9	2236.8	2299.2	2322.1	2310.0
67.5°	2229.5	2223.2	2223.6	2219.5	2238.2	2284.2	2353.9	2451.4	2535.1	2574.2	2551.2
70°	2354.8	2358.3	2359.3	2376.3	2408.6	2478.7	2594.7	2747.4	2874.3	2934.0	2909.4
71°	2317.9	2325.6	2337.5	2355.3	2410.9	2494.0	2652.2	2837.1	2988.7	3089.7	3055.7
72.5°	2213.1	2217.8	2223.8	2251.0	2313.9	2423.8	2586.7	2798.1	2992.9	3123.6	3084.3
75°	2061.6	2066.1	2068.2	2087.1	2144.4	2240.2	2389.4	2576.9	2748.8	2860.1	2849.0
77.5°	1832.9	1833.7	1850.1	1879.3	1943.5	2053.2	2210.3	2404.9	2566.3	2652.9	2598.0
80°	1316.3	1307.4	1324.2	1361.9	1441.4	1567.2	1728.0	1950.1	2129.4	2210.2	2125.2
82.5°	500.8	527.9	570.7	632.9	659.7	799.6	949.7	1080.2	1231.2	1400.0	1357.7
85°	53.8	60.6	76.0	94.2	119.0	164.7	227.4	310.5	382.7	449.9	399.4
87.5°	20.1	20.6	22.9	26.4	26.9	28.1	30.0	34.8	32.5	28.1	22.7
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: P180192

CATALOG NUMBER: ICM-F04-LED-E1-5XQ-7030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	845.4	845.4	845.4	845.4	845.4	845.4	845.4	845.4
2.5°	845.4	845.6	845.4	845.6	845.6	844.7	844.9	844.5
5°	845.2	844.5	844.7	844.9	844.7	845.2	844.5	844.9
7.5°	844.0	842.6	843.1	843.1	842.6	843.4	842.8	842.6
10°	841.7	839.8	840.7	840.3	840.0	840.3	840.3	840.3
12.5°	839.5	838.3	838.6	838.3	838.1	838.9	838.6	838.9
15°	839.1	837.2	837.0	836.5	836.7	837.2	837.2	838.0
17.5°	838.6	836.3	836.1	835.5	835.8	836.7	837.0	836.5
20°	840.0	838.1	837.7	837.2	837.0	838.1	838.0	838.0
22.5°	846.6	844.3	844.0	842.1	841.4	842.1	841.7	841.7
25°	857.1	854.3	853.4	850.8	848.9	848.9	848.2	847.8
27.5°	876.1	871.8	870.9	868.8	866.2	866.7	865.3	865.1
30°	898.1	894.3	891.0	888.0	884.9	883.7	882.1	881.9
32.5°	926.8	922.6	918.6	914.9	910.6	909.0	906.1	904.7
35°	962.1	956.5	951.8	949.2	945.0	942.9	941.0	943.1
37.5°	1011.4	1004.7	1002.2	999.3	996.5	993.1	993.9	993.1
40°	1079.6	1073.6	1071.3	1065.9	1065.2	1061.4	1063.8	1061.4
42.5°	1164.1	1152.8	1151.2	1147.0	1145.6	1143.5	1144.5	1142.8
45°	1255.9	1246.0	1244.0	1237.3	1237.5	1232.6	1234.4	1234.5
47.5°	1359.3	1348.8	1340.1	1335.3	1333.3	1330.3	1331.9	1331.7
50°	1465.9	1451.6	1442.1	1432.5	1428.3	1429.4	1426.2	1431.8
52.5°	1580.5	1559.2	1545.7	1536.6	1528.6	1530.2	1530.7	1532.3
55°	1699.0	1671.8	1652.3	1640.4	1633.0	1633.5	1635.6	1637.6
57.5°	1818.2	1784.4	1757.7	1739.9	1735.3	1737.3	1737.3	1737.1
60°	1941.9	1901.2	1866.9	1846.7	1842.6	1841.4	1850.4	1847.5
62.5°	2074.7	2025.9	1990.3	1964.6	1958.5	1962.7	1970.9	1969.0
65°	2250.8	2183.2	2137.4	2111.9	2101.6	2105.8	2116.9	2116.3
67.5°	2477.8	2383.4	2322.8	2290.1	2282.6	2287.7	2293.8	2299.6
70°	2817.3	2682.3	2595.9	2525.0	2494.6	2488.8	2494.9	2495.1
71°	2936.8	2781.8	2644.0	2557.5	2507.7	2486.7	2488.3	2477.8
72.5°	2931.8	2740.9	2579.7	2489.2	2420.0	2403.2	2395.0	2382.4
75°	2734.2	2562.2	2422.3	2323.7	2257.1	2237.2	2222.7	2222.0
77.5°	2479.6	2352.8	2198.6	2094.2	2013.0	1980.0	1965.3	1964.8
80°	1993.3	1803.3	1690.6	1627.7	1529.7	1501.4	1471.5	1460.3
82.5°	1205.4	942.0	766.0	680.6	633.4	521.6	468.1	442.8
85°	280.7	199.4	137.5	90.2	65.0	51.7	39.7	35.1
87.5°	19.0	15.0	13.3	10.8	8.2	8.0	4.9	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)