

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: P180236

Luminaire Tested: **ICS-E03-LED-E1-5XQ-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180236
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: ICS-E03-LED-E1-5XQ-8030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7247.8 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G2

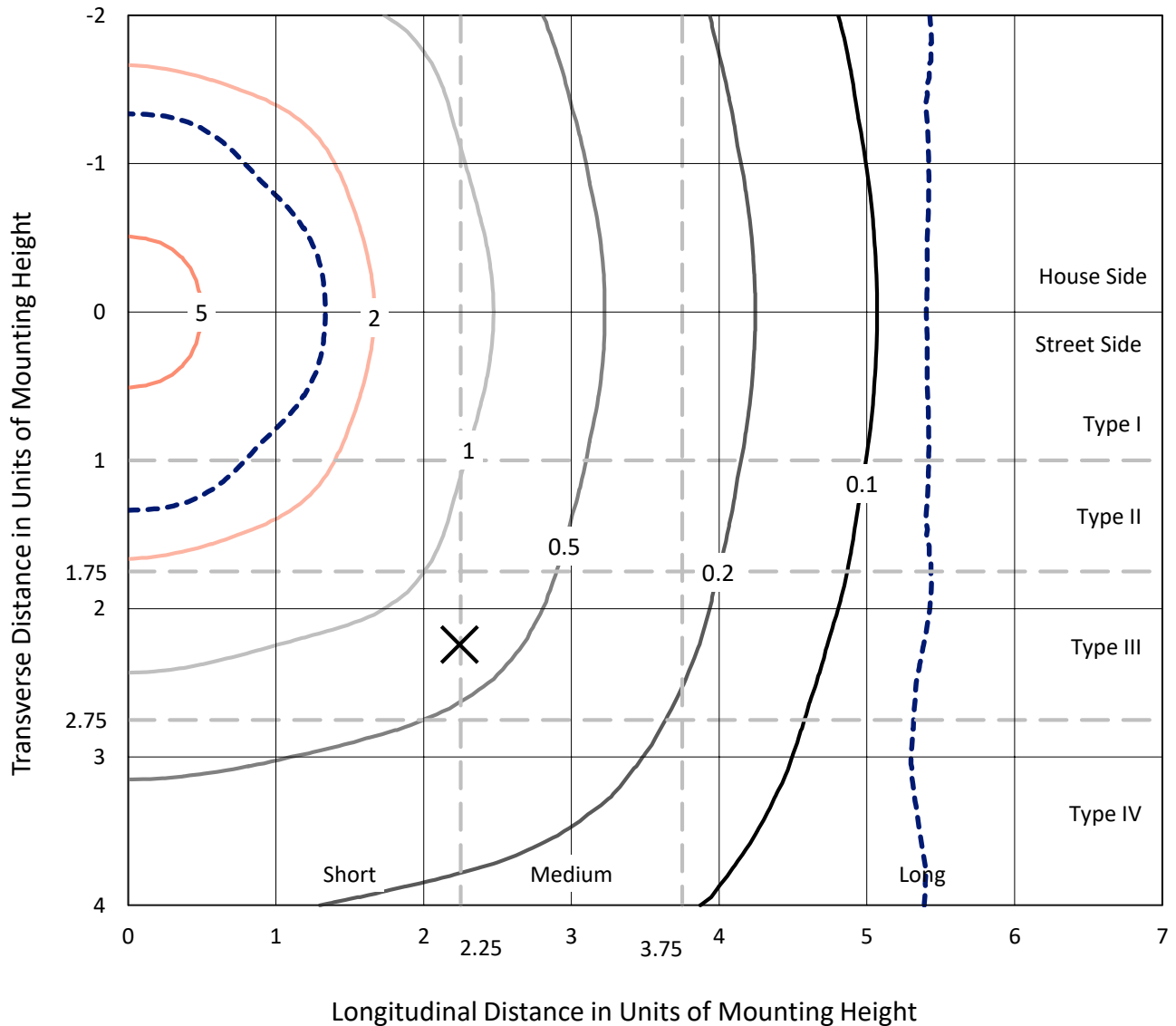
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P180236
 CATALOG NUMBER: ICS-E03-LED-E1-5XQ-8030

Iso-Footcandle Lines of Horizontal Illumination

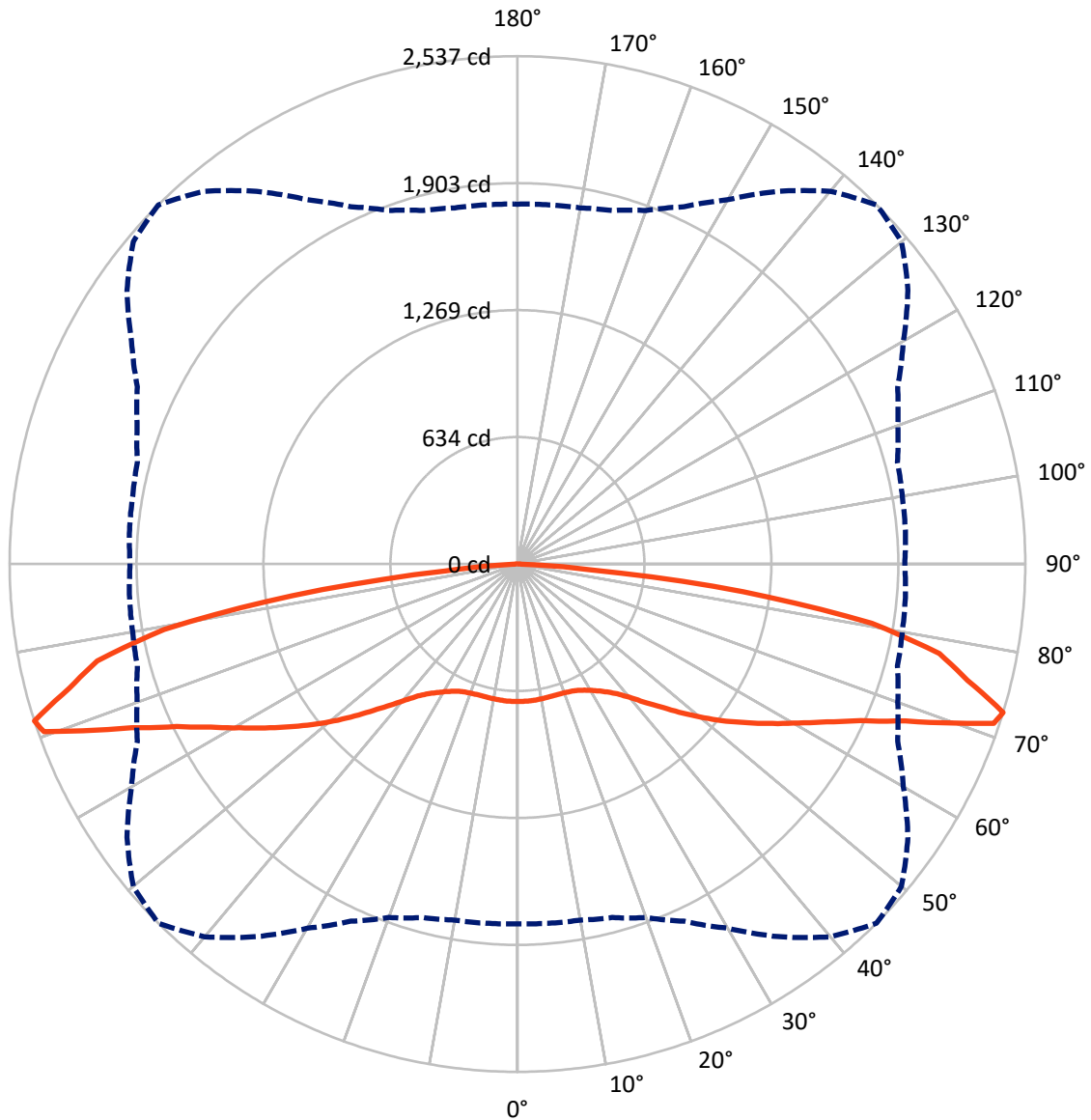
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P180236
CATALOG NUMBER: ICS-E03-LED-E1-5XQ-8030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P180236

CATALOG NUMBER: ICS-E03-LED-E1-5XQ-8030

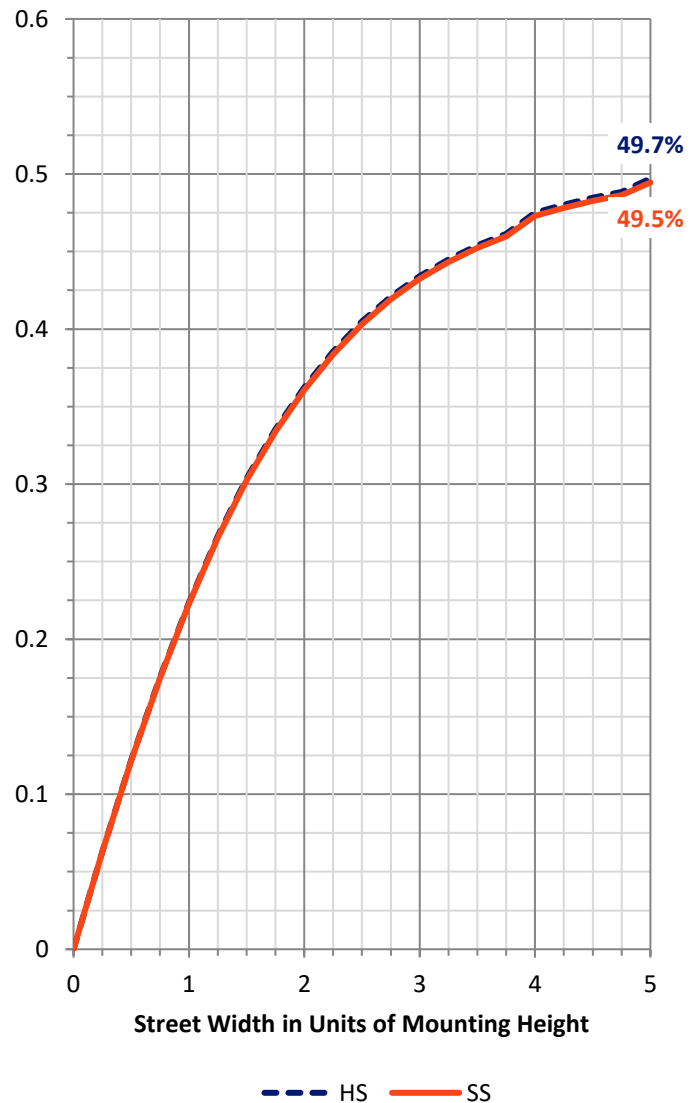
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3623.9	0.0	3623.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3623.9	0.0	3623.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	7247.8	0.0	7247.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	0.9
10°-20°	193.6	2.7
20°-30°	324.2	4.5
30°-40°	494.2	6.8
40°-50°	789.2	10.9
50°-60°	1213.4	16.7
60°-70°	1766.7	24.4
70°-80°	1990.2	27.5
80°-90°	410.8	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°	7247.8	100.0
0°-180°	7247.8	100.0



REPORT NUMBER: P180236

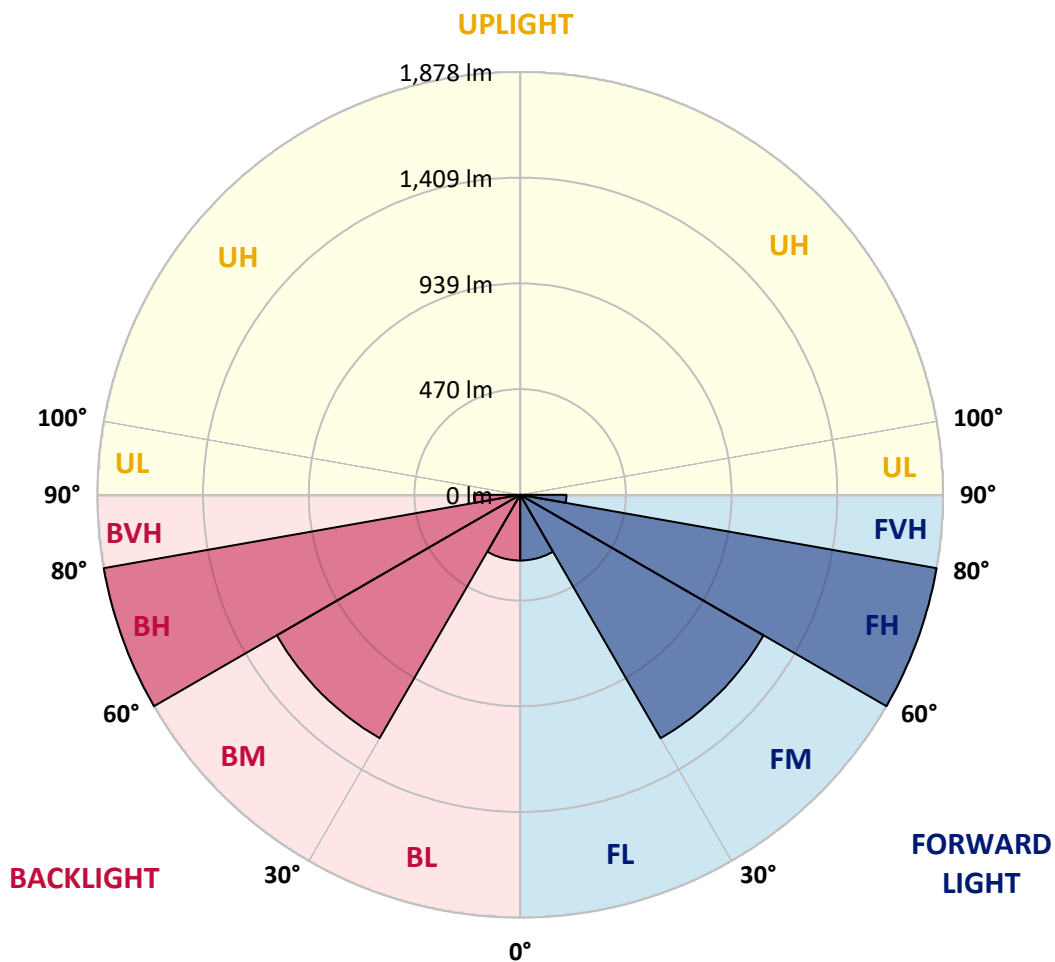
CATALOG NUMBER: ICS-E03-LED-E1-5XQ-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	291.6	4.0			
FM	(30°-60°)	1248.4	17.2			
FH	(60°-80°)	1878.5	25.9			G2/5000
FVH	(80°-90°)	205.4	2.8			G2/225
BL	(0°-30°)	291.6	4.0	B1/500		
BM	(30°-60°)	1248.4	17.2	B2/2500		
BH	(60°-80°)	1878.5	25.9	B3/2500		G2/5000
BVH	(80°-90°)	205.4	2.8			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





REPORT NUMBER: P180236

CATALOG NUMBER: ICS-E03-LED-E1-5XQ-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	686.7	686.7	686.7	686.7	686.7	686.7	686.7	686.7	686.7	686.7	686.7
2.5°	687.8	688.2	688.0	687.6	687.9	687.7	687.3	687.1	685.8	686.5	687.7
5°	687.8	687.5	687.3	687.1	687.1	687.7	687.1	686.5	686.3	686.7	686.1
7.5°	687.5	686.7	686.3	686.2	686.3	686.5	685.9	685.2	685.8	685.2	684.4
10°	686.3	685.8	686.0	685.2	685.4	685.2	684.4	683.9	684.2	683.7	682.7
12.5°	686.7	685.8	685.6	685.2	685.0	684.8	683.9	682.9	683.1	682.7	681.8
15°	686.7	686.2	686.0	685.2	685.0	684.6	683.5	683.1	683.1	682.6	681.4
17.5°	687.1	686.7	686.7	685.8	685.4	685.2	683.8	683.3	683.8	682.7	682.0
20°	688.2	687.8	688.1	687.5	686.7	686.7	685.8	685.4	685.6	685.4	683.3
22.5°	690.5	690.5	690.9	690.7	690.5	690.7	689.9	689.9	690.1	690.2	688.4
25°	697.0	696.8	697.1	697.2	697.3	698.7	698.1	697.9	698.9	698.9	697.2
27.5°	709.1	708.7	709.1	709.5	710.4	712.2	711.8	712.4	713.8	713.5	712.0
30°	723.2	722.8	723.7	724.9	725.6	728.3	727.2	730.0	731.3	732.5	731.3
32.5°	743.6	743.7	745.4	746.2	747.8	750.5	750.9	753.2	754.8	756.8	755.4
35°	771.0	770.7	772.0	773.3	775.4	777.9	778.8	781.8	784.5	785.8	783.4
37.5°	812.8	810.7	813.2	814.0	815.7	816.2	818.9	822.7	825.5	825.2	823.4
40°	869.4	869.0	868.0	866.9	869.6	870.5	870.6	875.6	880.2	879.5	879.2
42.5°	935.5	933.8	932.6	932.6	934.2	934.6	940.4	944.2	947.4	948.2	947.5
45°	1006.6	1004.8	1005.2	1004.4	1005.0	1007.5	1010.9	1017.9	1024.0	1024.2	1021.0
47.5°	1082.8	1077.5	1081.7	1075.8	1079.4	1081.4	1089.9	1100.1	1110.8	1112.7	1109.8
50°	1160.4	1159.8	1159.4	1158.2	1160.0	1164.2	1174.6	1190.7	1201.0	1207.8	1203.2
52.5°	1245.0	1242.2	1240.9	1239.0	1240.6	1248.8	1263.4	1277.5	1295.9	1303.7	1297.4
55°	1327.4	1326.5	1321.6	1321.4	1325.0	1337.7	1353.7	1370.9	1390.9	1399.6	1397.3
57.5°	1412.2	1406.6	1405.1	1402.9	1410.1	1422.0	1441.6	1472.8	1493.4	1503.3	1497.6
60°	1495.0	1490.8	1487.6	1486.8	1491.7	1508.4	1536.6	1574.0	1599.6	1612.5	1603.4
62.5°	1583.8	1581.1	1577.4	1573.0	1583.4	1604.9	1639.8	1681.2	1719.1	1735.0	1721.2
65°	1694.4	1688.8	1684.7	1679.2	1687.7	1714.7	1758.6	1816.8	1867.6	1886.2	1876.3
67.5°	1811.0	1805.8	1806.2	1802.8	1818.0	1855.4	1912.0	1991.2	2059.2	2090.9	2072.3
70°	1912.8	1915.6	1916.4	1930.2	1956.4	2013.4	2107.6	2231.6	2334.8	2383.2	2363.2
71°	1882.8	1889.0	1898.7	1913.2	1958.3	2025.8	2154.3	2304.5	2427.6	2509.6	2482.1
72.5°	1797.6	1801.5	1806.4	1828.4	1879.5	1968.8	2101.1	2272.8	2431.0	2537.2	2505.2
75°	1674.6	1678.2	1679.9	1695.3	1741.8	1819.7	1940.9	2093.2	2232.8	2323.1	2314.2
77.5°	1488.8	1489.5	1502.7	1526.5	1578.7	1667.8	1795.4	1953.4	2084.6	2154.9	2110.2
80°	1069.2	1062.0	1075.6	1106.2	1170.8	1273.0	1403.6	1584.0	1729.7	1795.4	1726.3
82.5°	406.8	428.8	463.6	514.1	535.9	649.5	771.4	877.4	1000.0	1137.2	1102.8
85°	43.7	49.2	61.7	76.5	96.7	133.7	184.8	252.2	310.9	365.4	324.4
87.5°	16.3	16.7	18.6	21.5	21.8	22.8	24.3	28.3	26.4	22.8	18.4
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: P180236

CATALOG NUMBER: ICS-E03-LED-E1-5XQ-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	686.7	686.7	686.7	686.7	686.7	686.7	686.7	686.7
2.5°	686.7	686.9	686.7	686.9	686.9	686.2	686.3	686.0
5°	686.5	686.0	686.2	686.4	686.2	686.5	686.0	686.4
7.5°	685.6	684.4	684.8	684.8	684.4	685.0	684.6	684.4
10°	683.6	682.2	682.9	682.6	682.4	682.5	682.6	682.6
12.5°	682.0	681.0	681.2	681.0	680.8	681.4	681.2	681.4
15°	681.6	680.1	679.9	679.5	679.7	680.1	680.0	680.6
17.5°	681.2	679.3	679.1	678.8	679.0	679.7	679.9	679.5
20°	682.3	680.8	680.4	680.1	679.9	680.8	680.6	680.6
22.5°	687.7	685.8	685.6	684.0	683.5	684.0	683.7	683.7
25°	696.2	693.9	693.2	691.1	689.6	689.6	689.0	688.6
27.5°	711.6	708.2	707.4	705.7	703.6	704.0	702.9	702.6
30°	729.4	726.4	723.8	721.3	718.8	717.8	716.5	716.3
32.5°	752.8	749.4	746.2	743.1	739.7	738.3	736.1	735.0
35°	781.5	776.9	773.2	771.0	767.6	765.9	764.4	766.1
37.5°	821.6	816.0	814.1	811.7	809.4	806.7	807.3	806.8
40°	877.0	872.1	870.2	865.8	865.2	862.2	864.1	862.2
42.5°	945.6	936.4	935.1	931.7	930.6	928.8	929.6	928.3
45°	1020.2	1012.0	1010.5	1005.0	1005.2	1001.2	1002.7	1002.8
47.5°	1104.1	1095.6	1088.5	1084.6	1083.0	1080.6	1081.9	1081.8
50°	1190.7	1179.2	1171.3	1163.6	1160.2	1161.1	1158.4	1163.0
52.5°	1283.8	1266.5	1255.5	1248.1	1241.6	1243.0	1243.4	1244.6
55°	1380.0	1358.0	1342.1	1332.4	1326.5	1326.9	1328.6	1330.1
57.5°	1476.9	1449.4	1427.8	1413.3	1409.5	1411.2	1411.2	1411.1
60°	1577.4	1544.3	1516.4	1500.1	1496.6	1495.7	1503.1	1500.6
62.5°	1685.2	1645.6	1616.7	1595.8	1590.8	1594.3	1600.9	1599.4
65°	1828.2	1773.4	1736.1	1715.4	1707.1	1710.5	1719.4	1719.0
67.5°	2012.6	1936.0	1886.8	1860.2	1854.1	1858.2	1863.2	1867.9
70°	2288.4	2178.8	2108.6	2051.0	2026.3	2021.6	2026.5	2026.7
71°	2385.4	2259.6	2147.7	2077.4	2037.0	2019.9	2021.2	2012.6
72.5°	2381.4	2226.3	2095.5	2022.0	1965.7	1952.1	1945.4	1935.2
75°	2221.0	2081.2	1967.6	1887.5	1833.4	1817.2	1805.5	1804.9
77.5°	2014.2	1911.0	1785.9	1701.0	1635.1	1608.3	1596.4	1596.0
80°	1619.2	1464.8	1373.2	1322.1	1242.6	1219.6	1195.3	1186.2
82.5°	979.2	765.2	622.1	552.8	514.4	423.7	380.2	359.6
85°	228.0	162.0	111.6	73.3	52.8	42.0	32.3	28.5
87.5°	15.4	12.2	10.8	8.8	6.6	6.5	4.0	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)