

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: P180247

Luminaire Tested: **ICS-E04-LED-E1-5XQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180247
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-E04-LED-E1-5XQ-7030
Description: ICON SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (84) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10457.9 lumens
Efficiency: N/A
Efficacy: 107.6 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



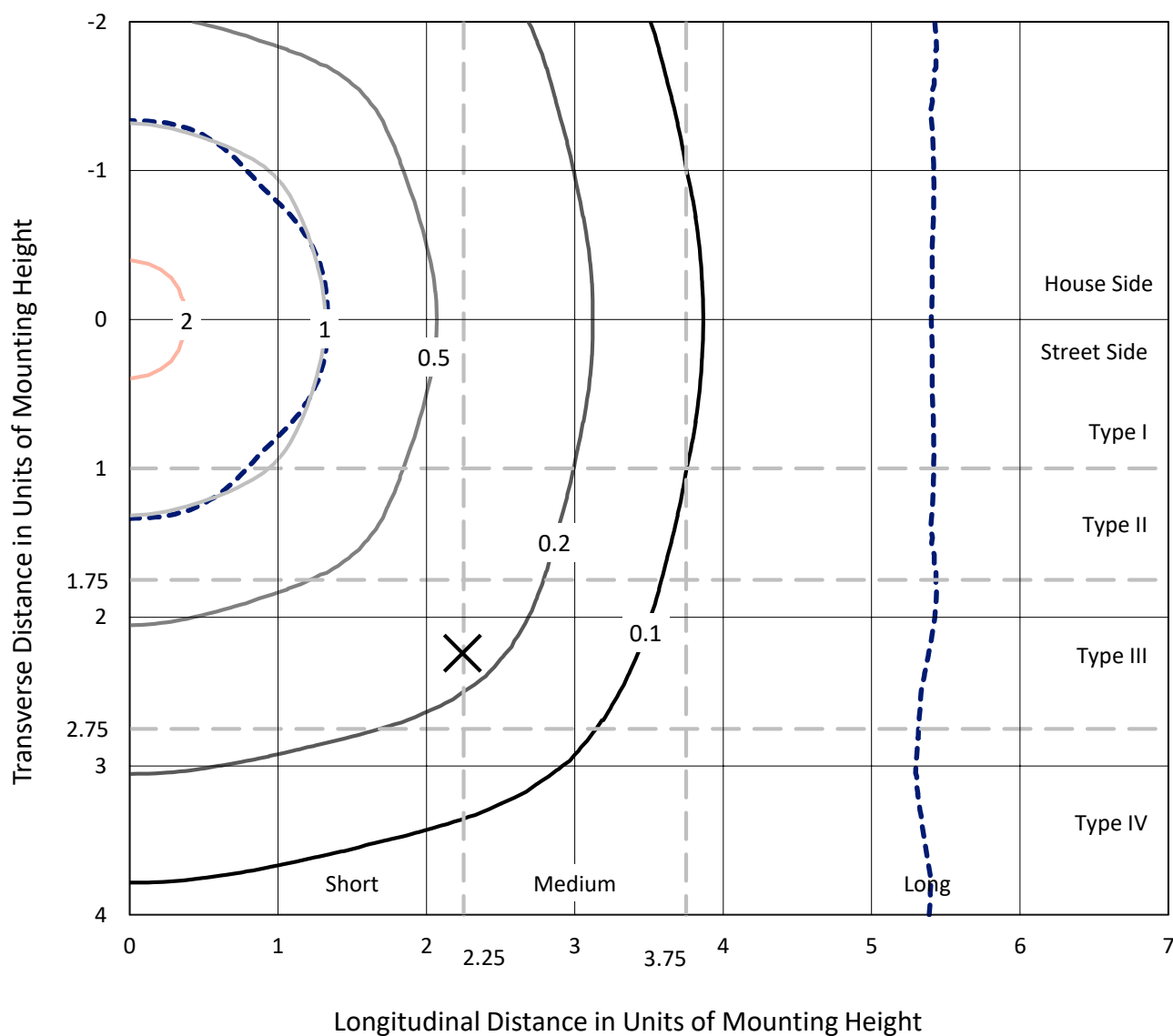
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

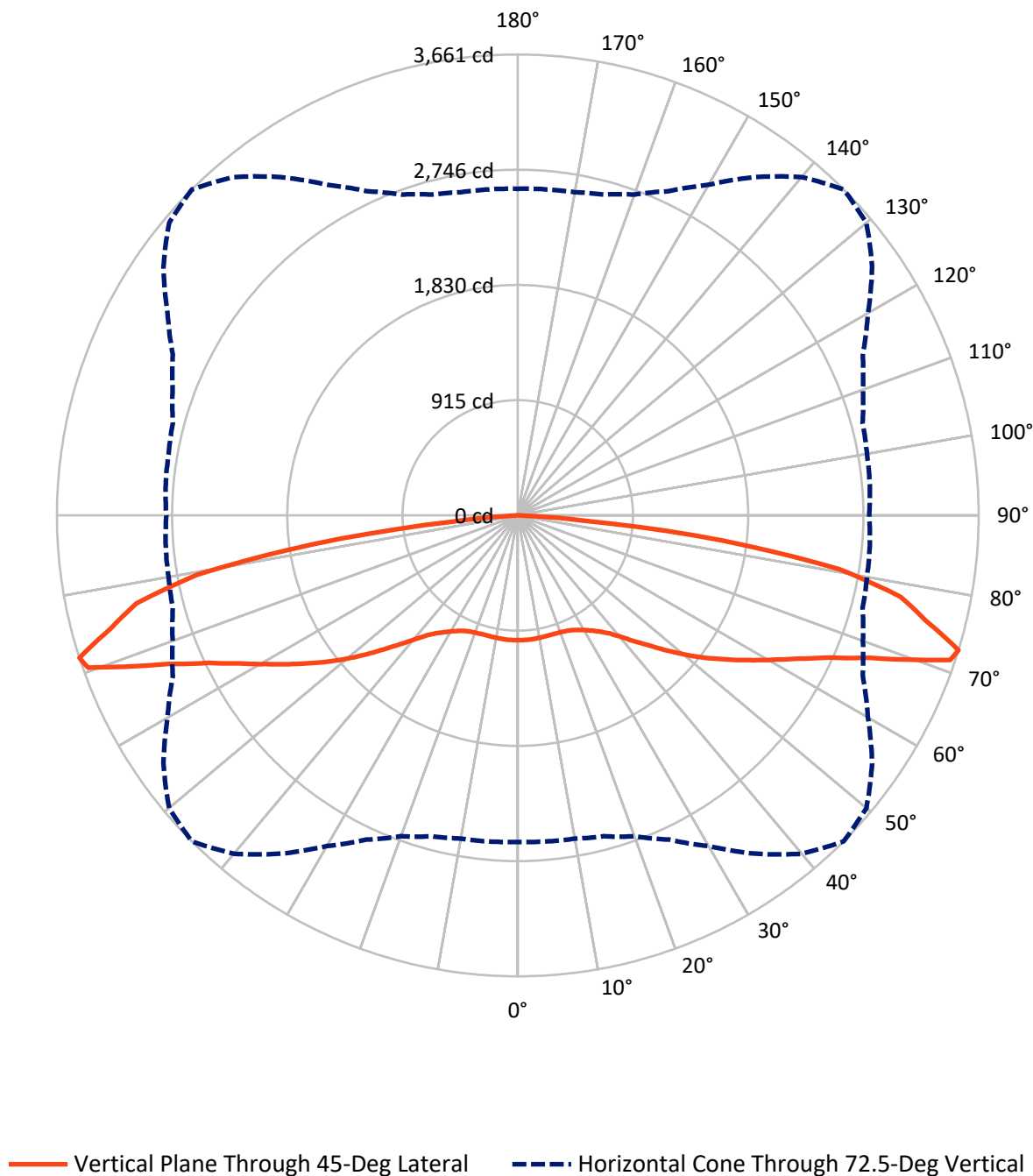


Based on 20 foot mounting height. Maximum calculated value = 2.5 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5228.9	0.0	5228.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5228.9	0.0	5228.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	10457.9	0.0	10457.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.4	0.9
10°-20°	279.3	2.7
20°-30°	467.8	4.5
30°-40°	713.1	6.8
40°-50°	1138.7	10.9
50°-60°	1750.8	16.7
60°-70°	2549.2	24.4
70°-80°	2871.7	27.5
80°-90°	592.8	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°	10457.9	100.0
0°-180°	10457.9	100.0

Coefficient of Utilization



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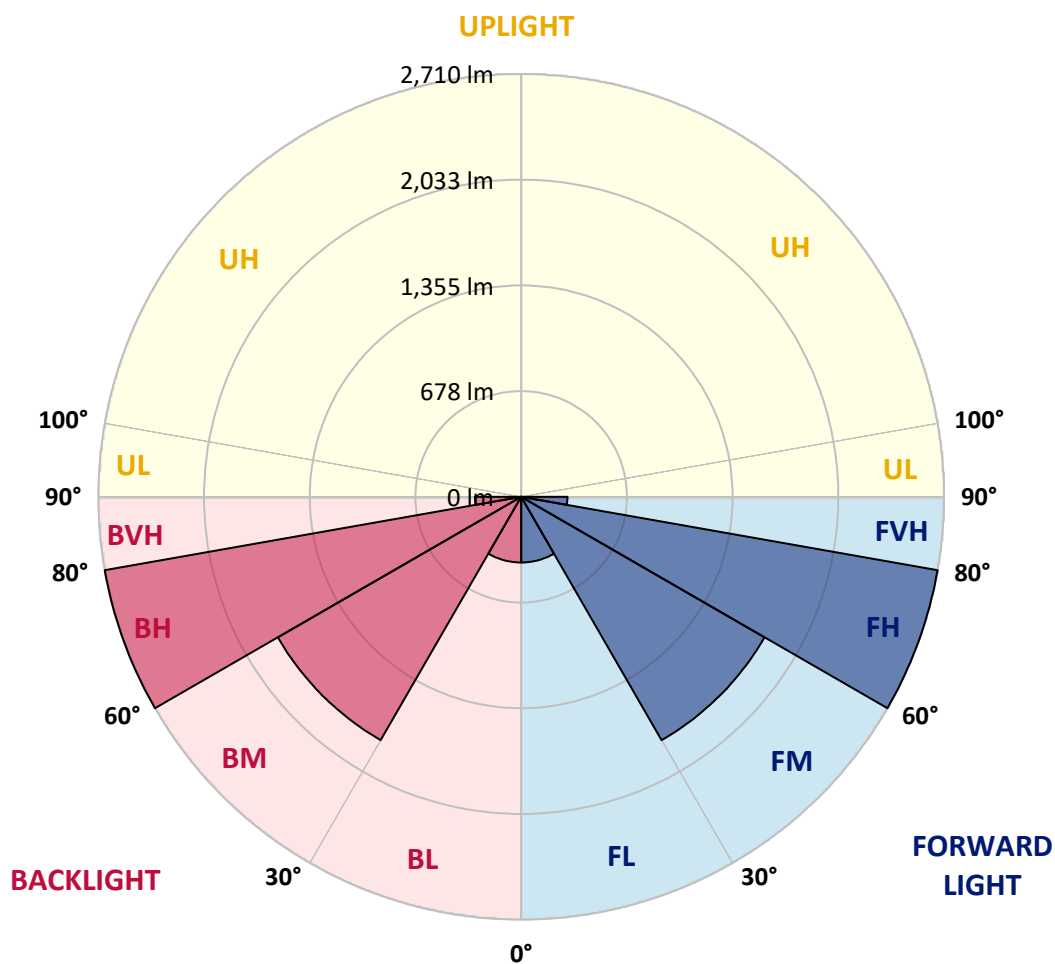
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	420.8	4.0			
FM	(30°-60°)	1801.3	17.2			
FH	(60°-80°)	2710.4	25.9			G2/5000
FVH	(80°-90°)	296.4	2.8			G3/500
BL	(0°-30°)	420.8	4.0	B1/500		
BM	(30°-60°)	1801.3	17.2	B2/2500		
BH	(60°-80°)	2710.4	25.9	B4/5000		G2/5000
BVH	(80°-90°)	296.4	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	990.9	990.9	990.9	990.9	990.9	990.9	990.9	990.9	990.9	990.9	990.9
2.5°	992.5	993.0	992.8	992.2	992.5	992.2	991.7	991.4	989.5	990.6	992.2
5°	992.5	992.0	991.7	991.4	991.4	992.2	991.4	990.6	990.3	990.9	990.0
7.5°	992.0	990.8	990.3	990.0	990.3	990.6	989.8	988.7	989.5	988.7	987.6
10°	990.3	989.5	989.8	988.6	988.9	988.6	987.6	986.8	987.3	986.5	985.1
12.5°	990.8	989.5	989.2	988.6	988.4	988.1	986.7	985.4	985.6	985.1	983.7
15°	990.8	990.0	989.8	988.6	988.4	987.8	986.2	985.6	985.6	984.8	983.2
17.5°	991.4	990.8	990.8	989.5	988.9	988.6	986.8	985.9	986.8	985.1	984.0
20°	993.0	992.5	992.8	992.0	990.8	990.8	989.5	988.9	989.2	989.0	985.9
22.5°	996.4	996.4	996.9	996.6	996.4	996.6	995.5	995.5	995.8	995.8	993.3
25°	1005.6	1005.4	1005.9	1006.0	1006.2	1008.1	1007.3	1007.0	1008.4	1008.4	1006.0
27.5°	1023.2	1022.6	1023.2	1023.8	1025.1	1027.6	1027.0	1027.9	1030.0	1029.5	1027.3
30°	1043.4	1042.9	1044.3	1045.9	1047.1	1050.9	1049.2	1053.3	1055.2	1056.9	1055.2
32.5°	1073.1	1073.1	1075.5	1076.6	1079.1	1083.0	1083.5	1086.8	1089.2	1092.0	1090.0
35°	1112.6	1112.0	1113.9	1115.8	1118.8	1122.4	1123.8	1128.1	1132.0	1133.9	1130.3
37.5°	1172.8	1169.8	1173.4	1174.4	1176.9	1177.7	1181.6	1187.1	1191.2	1190.6	1188.2
40°	1254.4	1253.9	1252.5	1250.9	1254.7	1256.1	1256.1	1263.5	1270.1	1269.0	1268.7
42.5°	1349.8	1347.4	1345.7	1345.7	1347.9	1348.4	1357.0	1362.4	1367.1	1368.2	1367.1
45°	1452.4	1449.8	1450.4	1449.3	1450.1	1453.7	1458.6	1468.8	1477.5	1477.8	1473.1
47.5°	1562.4	1554.8	1560.8	1552.3	1557.6	1560.3	1572.6	1587.4	1602.8	1605.5	1601.4
50°	1674.2	1673.4	1672.9	1671.2	1673.7	1679.8	1694.8	1718.1	1732.9	1742.8	1736.2
52.5°	1796.4	1792.4	1790.5	1787.7	1790.2	1802.0	1823.0	1843.3	1869.9	1881.2	1872.1
55°	1915.4	1914.0	1906.9	1906.6	1911.8	1930.2	1953.2	1978.2	2006.9	2019.5	2016.2
57.5°	2037.6	2029.7	2027.5	2024.2	2034.6	2051.9	2080.1	2125.0	2154.9	2169.2	2160.9
60°	2157.1	2151.0	2146.4	2145.3	2152.4	2176.6	2217.1	2271.1	2308.1	2326.7	2313.6
62.5°	2285.4	2281.5	2276.0	2269.7	2284.8	2315.7	2366.2	2425.9	2480.4	2503.4	2483.4
65°	2444.8	2436.9	2430.8	2422.9	2435.2	2474.2	2537.4	2621.6	2694.7	2721.6	2707.3
67.5°	2613.0	2605.7	2606.2	2601.3	2623.2	2677.2	2758.8	2873.1	2971.2	3017.0	2990.1
70°	2760.0	2764.0	2765.2	2785.1	2822.9	2905.2	3041.1	3220.0	3368.8	3438.7	3409.9
71°	2716.6	2725.7	2739.6	2760.5	2825.7	2923.0	3108.5	3325.2	3502.8	3621.2	3581.4
72.5°	2593.8	2599.4	2606.5	2638.2	2712.0	2840.8	3031.8	3279.5	3507.8	3660.9	3614.9
75°	2416.3	2421.5	2424.0	2446.2	2513.3	2625.6	2800.5	3020.2	3221.6	3352.1	3339.2
77.5°	2148.4	2149.2	2168.3	2202.6	2278.0	2406.4	2590.6	2818.6	3007.9	3109.3	3044.9
80°	1542.7	1532.3	1552.0	1596.2	1689.3	1836.8	2025.3	2285.6	2495.8	2590.6	2490.8
82.5°	587.0	618.7	668.9	741.8	773.3	937.1	1113.1	1266.0	1443.0	1640.8	1591.2
85°	63.0	71.0	89.0	110.4	139.5	192.9	266.6	363.9	448.6	527.2	468.0
87.5°	23.6	24.2	26.9	31.0	31.5	32.9	35.1	40.8	38.1	32.9	26.6
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°	990.9	990.9	990.9	990.9	990.9	990.9	990.9	990.9
2.5°	990.9	991.2	990.9	991.2	991.2	990.0	990.3	989.8
5°	990.6	989.8	990.0	990.3	990.0	990.6	989.8	990.3
7.5°	989.2	987.6	988.1	988.1	987.6	988.4	987.8	987.6
10°	986.5	984.3	985.4	984.8	984.6	984.8	984.8	984.8
12.5°	984.0	982.6	982.9	982.6	982.4	983.2	982.9	983.2
15°	983.5	981.3	981.0	980.4	980.7	981.3	981.3	982.1
17.5°	982.9	980.2	979.9	979.4	979.6	980.7	981.0	980.4
20°	984.6	982.4	981.8	981.3	981.0	982.4	982.1	982.1
22.5°	992.2	989.5	989.2	987.0	986.2	987.0	986.5	986.4
25°	1004.6	1001.3	1000.2	997.2	995.0	995.0	994.2	993.6
27.5°	1026.8	1021.8	1020.8	1018.2	1015.2	1015.8	1014.1	1013.8
30°	1052.5	1048.1	1044.3	1040.8	1037.2	1035.8	1033.9	1033.6
32.5°	1086.2	1081.3	1076.6	1072.2	1067.3	1065.4	1062.1	1060.4
35°	1127.6	1121.0	1115.6	1112.6	1107.6	1105.1	1103.0	1105.4
37.5°	1185.4	1177.5	1174.8	1171.2	1167.8	1164.0	1164.9	1164.0
40°	1265.4	1258.3	1255.6	1249.2	1248.4	1244.0	1246.8	1244.0
42.5°	1364.3	1351.2	1349.3	1344.4	1342.7	1340.2	1341.3	1339.4
45°	1472.0	1460.2	1458.1	1450.1	1450.4	1444.6	1446.8	1446.8
47.5°	1593.2	1580.8	1570.7	1564.9	1562.7	1559.2	1561.1	1560.8
50°	1718.1	1701.4	1690.2	1678.9	1674.0	1675.4	1671.6	1678.1
52.5°	1852.4	1827.4	1811.6	1800.8	1791.6	1793.4	1794.0	1796.0
55°	1991.3	1959.5	1936.5	1922.5	1914.0	1914.6	1917.0	1919.2
57.5°	2131.1	2091.3	2060.1	2039.3	2033.8	2036.2	2036.2	2036.0
60°	2276.0	2228.4	2188.0	2164.5	2159.6	2158.2	2168.9	2165.3
62.5°	2431.6	2374.4	2332.7	2302.6	2295.4	2300.4	2310.0	2307.8
65°	2638.0	2558.8	2505.1	2475.2	2463.2	2468.1	2481.0	2480.4
67.5°	2904.0	2793.4	2722.4	2684.0	2675.2	2681.3	2688.4	2695.2
70°	3301.9	3143.8	3042.4	2959.4	2923.8	2917.0	2924.1	2924.3
71°	3442.0	3260.3	3098.9	2997.5	2939.2	2914.5	2916.4	2904.0
72.5°	3436.2	3212.3	3023.5	2917.5	2836.4	2816.7	2807.1	2792.2
75°	3204.7	3003.0	2839.1	2723.5	2645.4	2622.1	2605.1	2604.2
77.5°	2906.3	2757.4	2576.9	2454.4	2359.3	2320.7	2303.4	2302.9
80°	2336.3	2113.5	1981.4	1907.8	1792.9	1759.8	1724.7	1711.6
82.5°	1412.9	1104.0	897.7	797.7	742.3	611.3	548.6	519.0
85°	329.1	233.7	161.1	105.8	76.2	60.6	46.6	41.1
87.5°	22.2	17.5	15.6	12.6	9.6	9.3	5.8	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)