

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: P180076

Luminaire Tested: **ICM-E03-LED-E1-5WQ-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180076  
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-E03-LED-E1-5WQ-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE  
Light Source: (63) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7498.9 lumens  
Efficiency: N/A  
Efficacy: 99.7 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type V - Short - Semi-Cutoff  
BUG Rating: B3 - U0 - G2

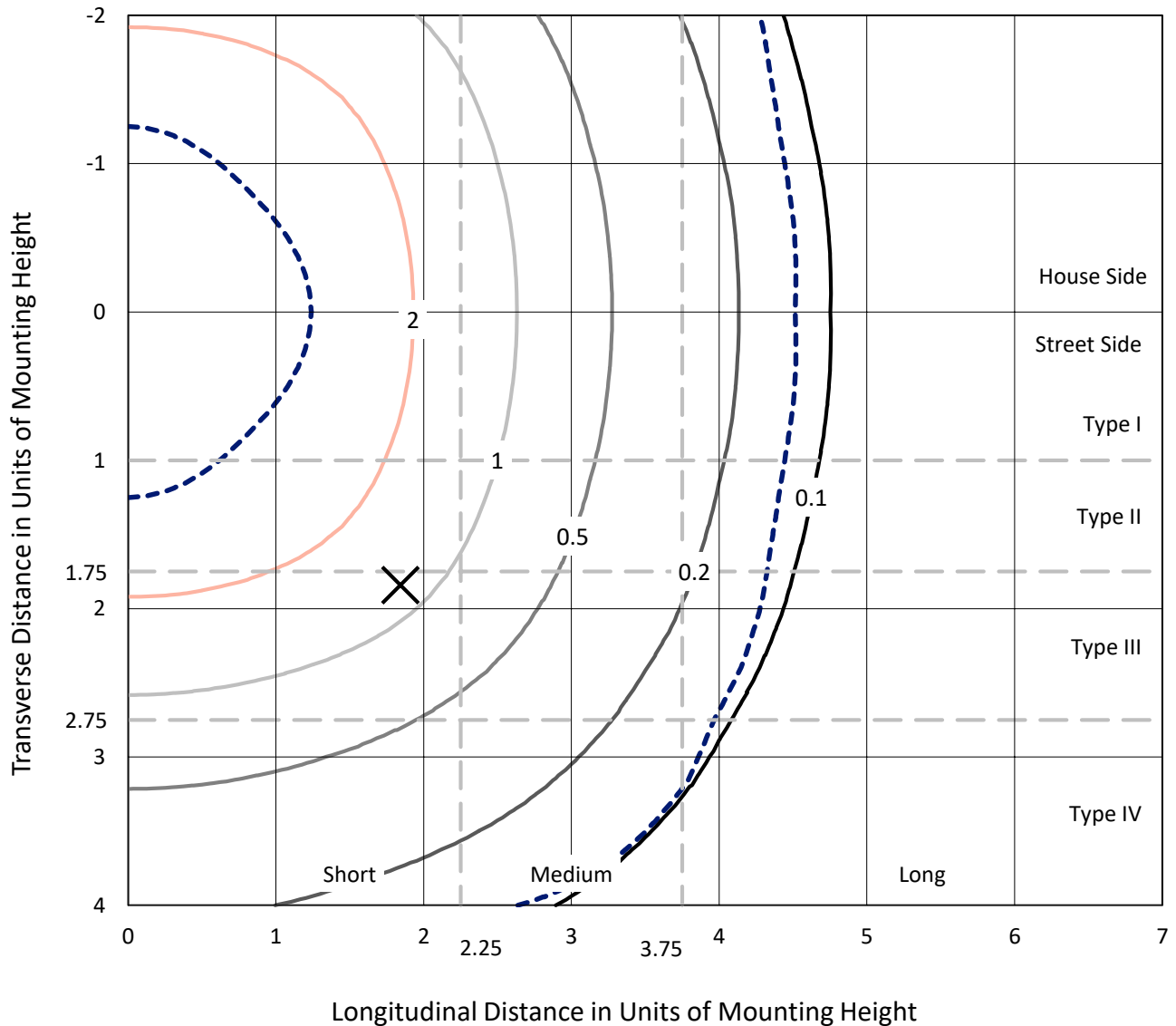
Input Watts (W): 75.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

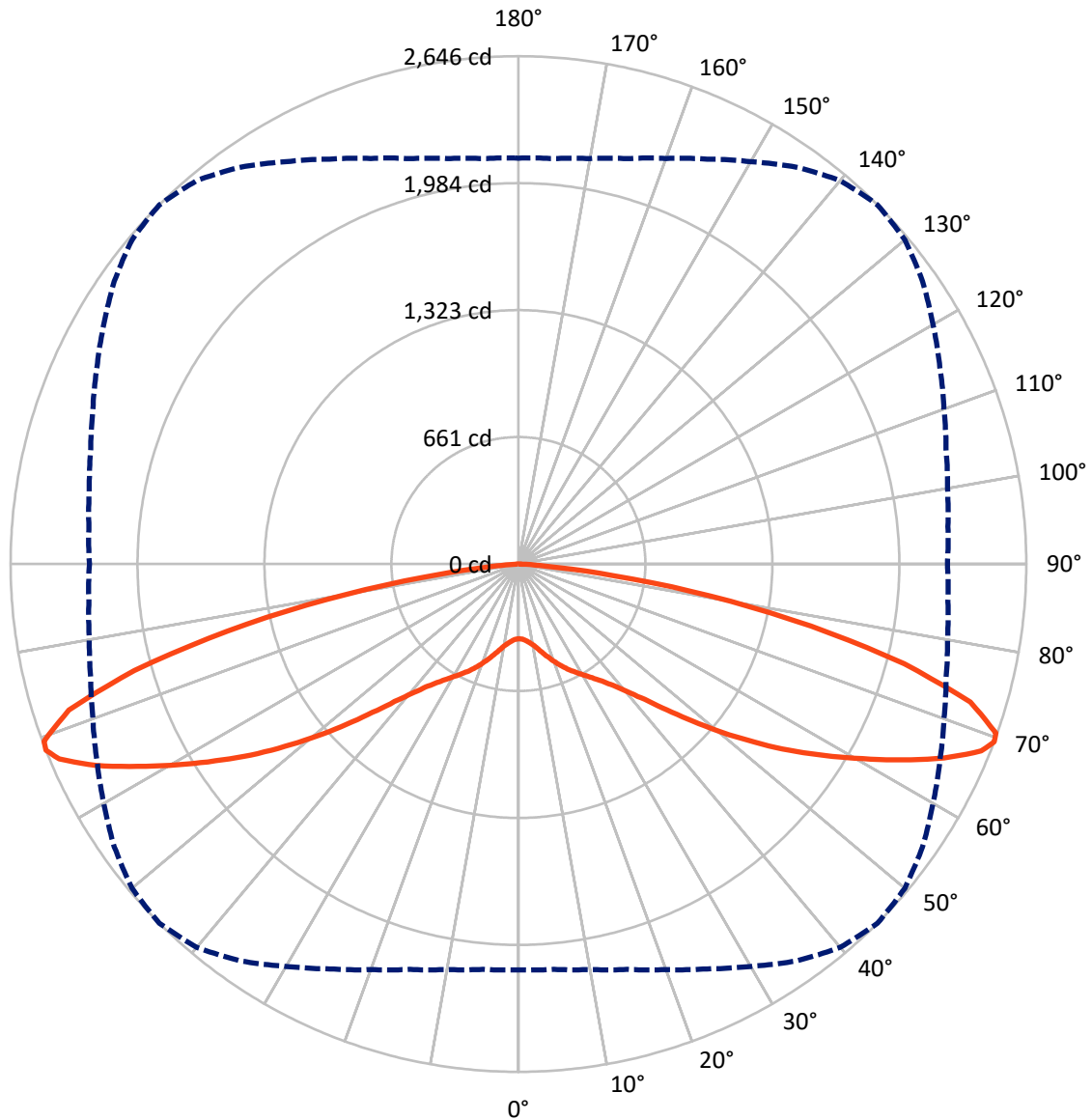
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 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
<b>House Side</b>	Lumens	3749.5	0.0	3749.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3749.5	0.0	3749.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7498.9	0.0	7498.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.1	0.5
10°-20°	138.1	1.8
20°-30°	279.6	3.7
30°-40°	468.8	6.3
40°-50°	826.8	11.0
50°-60°	1458.1	19.4
60°-70°	2226.1	29.7
70°-80°	1860.2	24.8
80°-90°	202.1	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°	7498.9	100.0
0°-180°	7498.9	100.0



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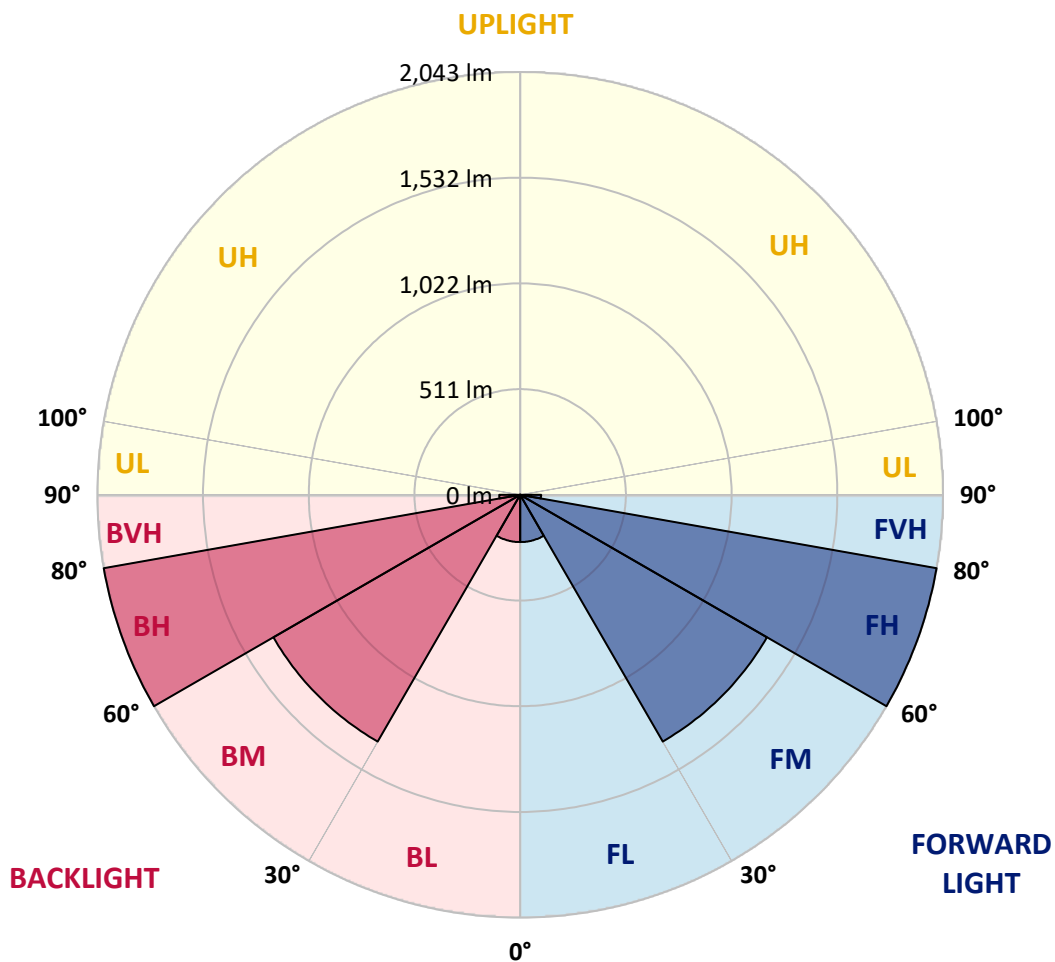
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	228.4	3.0			
FM (30°-60°)	1376.9	18.4			
FH (60°-80°)	2043.1	27.2			G2/5000
FVH (80°-90°)	101.1	1.3			G2/225
BL (0°-30°)	228.4	3.0	B1/500		
BM (30°-60°)	1376.9	18.4	B2/2500		
BH (60°-80°)	2043.1	27.2	B3/2500		G2/5000
BVH (80°-90°)	101.1	1.3			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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	389.4	389.4	389.4	389.4	389.4	389.4	389.4	389.4	389.4	389.4	389.4
2.5°	392.6	393.3	392.6	392.6	392.6	392.6	392.6	391.8	391.8	391.8	392.6
5°	400.4	401.2	400.4	401.2	401.2	401.2	401.2	400.4	400.4	400.4	400.4
7.5°	412.9	412.9	412.9	413.8	412.9	412.9	413.8	412.9	412.9	412.9	412.9
10°	431.1	430.2	430.2	430.2	430.2	430.2	431.1	431.1	431.1	430.2	430.2
12.5°	453.0	452.2	453.0	453.0	453.8	453.8	453.8	453.8	453.8	453.8	453.0
15°	479.7	479.7	479.7	480.5	482.0	482.0	481.3	482.0	482.0	482.0	482.0
17.5°	509.6	511.1	509.6	510.3	511.1	510.3	511.9	512.7	513.5	512.7	510.3
20°	540.2	540.9	540.9	540.9	540.9	542.5	543.3	543.3	545.7	544.8	544.1
22.5°	569.2	570.8	570.8	571.5	571.5	574.0	574.0	574.0	575.4	577.0	575.4
25°	599.8	599.1	599.1	600.7	601.4	604.6	604.6	606.1	608.5	609.2	607.6
27.5°	627.3	626.5	626.5	628.8	629.7	633.6	633.6	636.7	638.3	639.1	637.5
30°	656.4	656.4	655.5	658.0	660.3	663.4	665.0	668.1	670.5	671.3	669.7
32.5°	690.9	689.3	690.1	691.7	693.2	696.4	698.8	702.7	705.8	706.6	705.0
35°	730.1	727.8	728.6	730.1	732.5	737.2	741.1	743.5	748.2	749.8	746.6
37.5°	773.3	774.1	773.3	777.3	781.2	786.7	791.4	794.5	799.3	801.6	799.3
40°	834.6	832.2	834.6	838.5	844.7	851.8	861.3	863.6	868.4	873.0	867.5
42.5°	913.9	912.3	917.8	920.9	928.0	935.8	947.6	953.9	960.9	964.1	959.4
45°	1017.5	1017.5	1023.8	1024.6	1035.5	1045.8	1062.2	1070.1	1083.4	1083.4	1083.4
47.5°	1132.1	1136.8	1140.8	1148.7	1156.5	1175.4	1191.8	1209.0	1221.6	1223.2	1220.8
50°	1250.7	1255.4	1267.2	1278.1	1295.4	1319.0	1337.0	1359.8	1370.8	1380.2	1377.1
52.5°	1381.8	1382.6	1396.8	1410.9	1436.0	1461.9	1490.9	1514.5	1534.1	1542.7	1535.6
55°	1525.5	1527.1	1539.6	1554.5	1582.8	1612.7	1648.8	1673.0	1698.2	1713.9	1702.1
57.5°	1680.9	1681.7	1694.2	1712.3	1746.1	1775.9	1810.4	1845.0	1868.6	1882.7	1874.9
60°	1852.8	1856.8	1866.2	1888.9	1921.1	1952.6	1987.1	2017.8	2045.2	2060.1	2052.3
62.5°	2036.6	2040.5	2053.9	2071.9	2100.2	2134.7	2167.7	2207.0	2229.7	2246.2	2234.4
65°	2159.8	2166.9	2188.1	2212.5	2254.1	2298.8	2337.3	2390.7	2418.2	2437.8	2426.8
67.5°	2167.7	2171.6	2197.5	2234.4	2290.2	2357.7	2436.2	2519.5	2573.6	2599.6	2580.7
69°	2114.3	2119.8	2144.9	2186.5	2248.6	2327.1	2420.5	2524.1	2607.4	2645.8	2627.7
70°	2053.9	2065.6	2093.1	2138.6	2199.1	2281.5	2378.1	2488.9	2586.2	2638.8	2625.4
72.5°	1926.7	1929.8	1947.8	1984.0	2030.3	2098.6	2189.7	2294.1	2386.7	2462.2	2473.1
75°	1710.0	1720.2	1733.5	1757.9	1781.4	1830.9	1892.1	1963.5	2017.8	2075.8	2078.2
77.5°	1292.3	1322.9	1333.1	1338.6	1348.8	1388.1	1441.5	1503.5	1548.3	1557.7	1556.1
80°	580.2	621.0	630.4	675.2	702.7	767.8	849.5	944.5	1008.1	1015.2	997.9
82.5°	113.9	121.7	142.1	177.4	241.8	280.3	333.7	400.4	461.7	496.9	475.8
85°	37.7	40.0	46.3	51.1	58.9	66.7	80.8	100.5	124.8	138.1	123.3
87.5°	14.9	14.9	17.3	18.9	20.4	20.4	20.4	18.9	18.0	14.9	13.3
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°	389.4	389.4	389.4	389.4	389.4	389.4	389.4	389.4
2.5°	391.8	391.8	391.8	391.8	391.8	391.8	391.8	391.8
5°	400.4	399.6	399.6	398.8	398.8	398.8	398.8	398.8
7.5°	412.2	411.4	410.6	411.4	410.6	410.6	410.6	410.6
10°	430.2	428.7	427.9	427.1	427.1	427.1	426.3	426.3
12.5°	451.4	451.4	450.7	449.9	448.3	449.1	448.3	446.7
15°	480.5	478.9	478.1	477.3	475.8	475.8	475.8	475.0
17.5°	509.6	508.0	508.0	505.6	504.8	504.8	504.8	505.6
20°	541.8	539.4	537.8	536.2	534.7	535.4	533.9	535.4
22.5°	574.0	570.8	569.2	566.9	564.5	564.5	563.7	562.1
25°	605.3	601.4	599.8	597.5	594.3	594.3	592.7	591.2
27.5°	635.2	631.3	629.7	624.9	621.8	621.0	619.4	618.7
30°	668.1	663.4	661.0	656.4	651.6	650.9	648.5	648.5
32.5°	702.7	698.0	696.4	689.3	685.4	685.4	683.8	682.2
35°	745.9	738.8	737.2	730.1	724.7	724.7	723.1	723.9
37.5°	796.9	791.4	785.9	780.4	774.1	773.3	771.7	770.2
40°	865.2	858.9	852.7	844.7	839.3	837.7	835.4	834.6
42.5°	956.3	950.0	937.4	931.2	925.7	920.9	920.2	919.4
45°	1072.5	1064.7	1056.0	1044.2	1037.1	1026.9	1025.4	1021.4
47.5°	1212.2	1197.3	1182.4	1172.2	1161.2	1149.4	1147.1	1140.8
50°	1360.6	1348.8	1323.7	1307.2	1290.0	1278.1	1270.3	1267.9
52.5°	1520.0	1498.0	1472.8	1450.9	1425.8	1410.1	1395.9	1392.0
55°	1686.4	1655.0	1623.6	1597.7	1572.6	1553.8	1540.4	1534.1
57.5°	1852.8	1818.3	1783.7	1755.5	1734.3	1710.0	1696.7	1693.5
60°	2026.3	1993.4	1958.1	1929.8	1903.9	1882.7	1874.9	1859.9
62.5°	2210.1	2175.5	2142.6	2115.1	2082.2	2067.2	2053.9	2045.2
65°	2390.7	2350.6	2309.0	2279.9	2247.0	2225.8	2209.3	2197.5
67.5°	2530.4	2470.0	2414.2	2365.5	2320.8	2287.8	2266.6	2255.6
69°	2569.7	2494.3	2422.9	2359.3	2306.6	2269.8	2246.2	2235.2
70°	2564.9	2481.8	2403.3	2333.3	2276.0	2236.8	2214.1	2193.6
72.5°	2419.7	2343.5	2256.4	2180.3	2128.5	2090.7	2068.0	2057.0
75°	2064.8	2013.8	1951.0	1892.1	1854.4	1832.5	1804.2	1804.9
77.5°	1503.5	1505.0	1462.7	1402.2	1359.8	1352.0	1339.4	1326.8
80°	932.7	858.1	809.5	744.3	696.4	654.8	636.7	597.5
82.5°	430.2	336.0	260.7	197.0	151.5	118.5	103.6	84.8
85°	95.8	73.0	60.5	48.7	41.6	38.5	31.4	29.0
87.5°	13.3	11.8	11.0	10.2	8.7	6.3	4.7	3.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)