

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: P179976

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

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P179976  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-E03-LED-E1-5MQ-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM  
Light Source: (63) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7593.1 lumens  
Efficiency: N/A  
Efficacy: 101.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type V - Short - Full Cutoff  
BUG Rating: B3 - U0 - G1

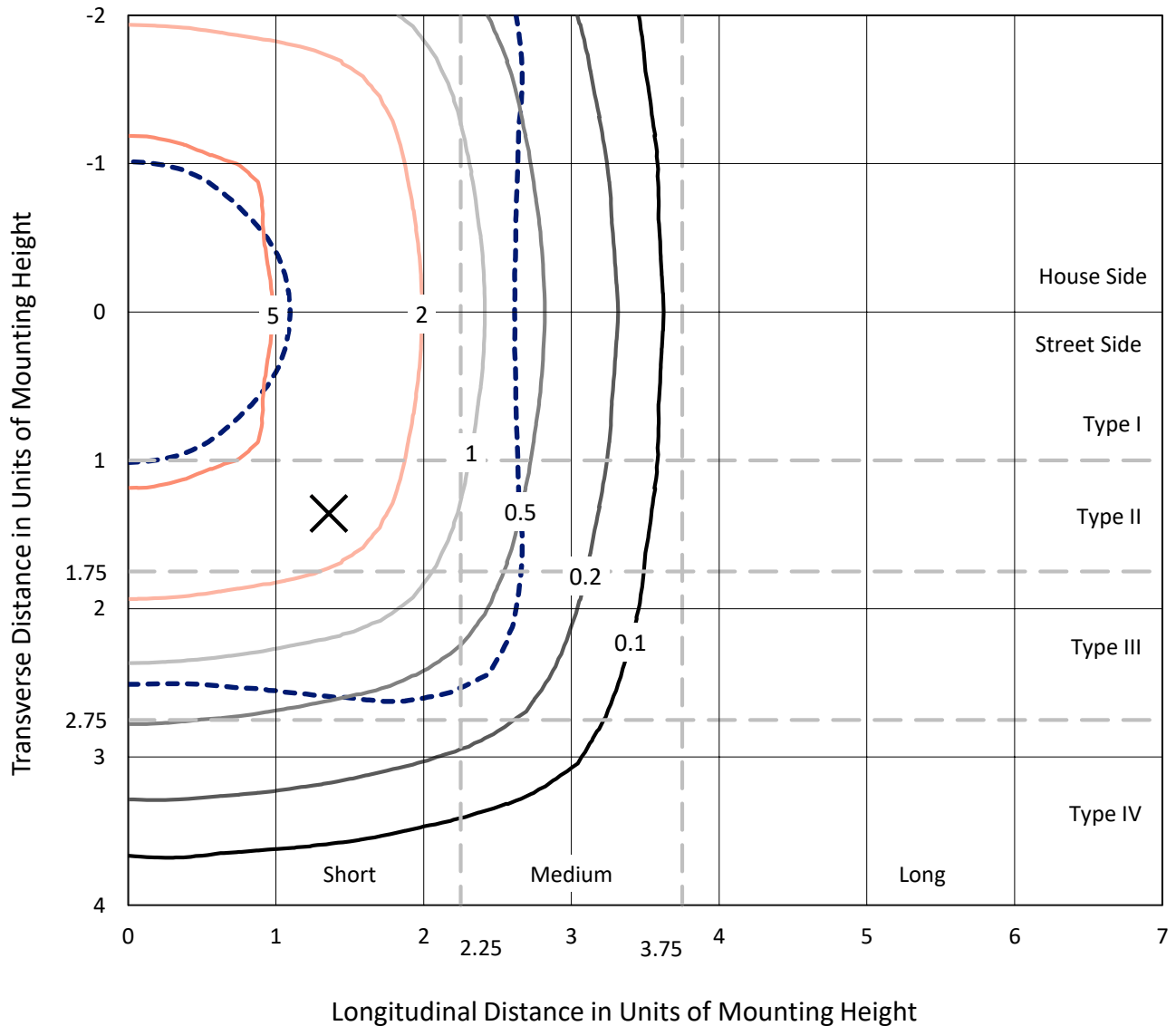
Input Watts (W): 75.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

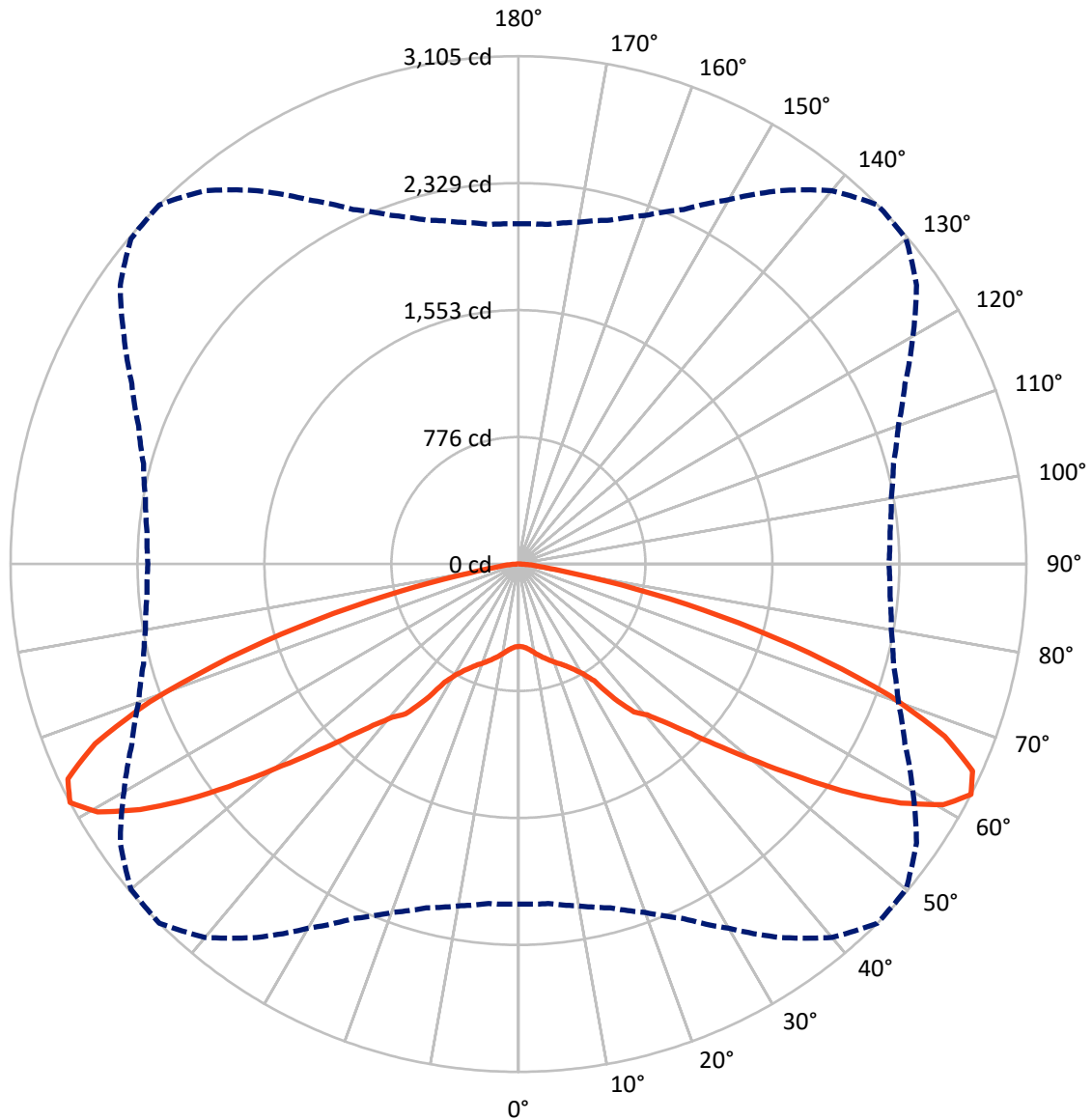
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.7 fc  
 Type V - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3796.5	0.0	3796.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3796.5	0.0	3796.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7593.1	0.0	7593.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.5	0.7
10°-20°	170.7	2.2
20°-30°	330.1	4.3
30°-40°	639.2	8.4
40°-50°	1154.2	15.2
50°-60°	2006.9	26.4
60°-70°	2278.4	30.0
70°-80°	883.3	11.6
80°-90°	79.7	1.0
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°	7593.1	100.0
0°-180°	7593.1	100.0



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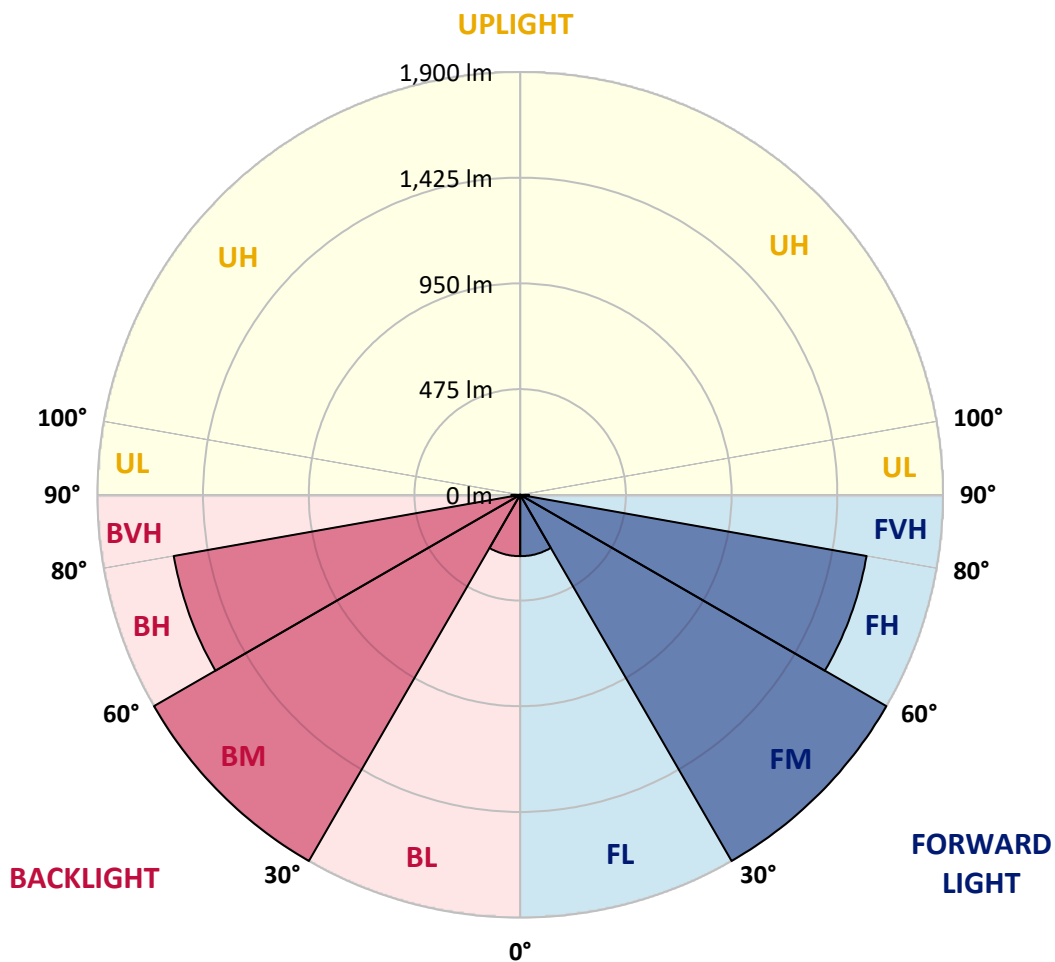
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	275.7	3.6			
FM (30°-60°)	1900.1	25.0			
FH (60°-80°)	1580.8	20.8			G1/1800
FVH (80°-90°)	39.8	0.5			G1/100
BL (0°-30°)	275.7	3.6	B1/500		
BM (30°-60°)	1900.1	25.0	B2/2500		
BH (60°-80°)	1580.8	20.8	B3/2500		G1/1800
BVH (80°-90°)	39.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0
2.5°	507.2	508.7	508.4	507.5	507.5	507.6	507.2	506.0	505.7	506.4	507.2
5°	518.9	518.9	518.9	518.9	518.1	518.1	517.4	516.7	517.0	516.3	515.8
7.5°	536.9	535.8	535.8	535.4	535.4	534.7	533.5	531.9	532.3	531.9	531.5
10°	558.1	558.6	557.4	558.6	556.6	556.3	554.7	553.9	553.5	552.4	552.4
12.5°	583.8	582.5	582.5	581.8	581.0	580.3	577.9	577.5	575.8	575.1	574.0
15°	607.6	607.3	605.8	604.1	603.7	603.0	600.2	598.7	598.2	596.3	594.7
17.5°	631.6	630.9	628.8	628.1	626.5	625.3	623.0	620.7	619.4	618.7	616.7
20°	657.1	656.4	654.3	652.8	650.9	649.3	645.8	643.7	642.6	641.5	639.8
22.5°	688.9	687.4	684.3	681.5	677.2	675.5	670.9	668.1	666.1	664.6	663.8
25°	723.4	723.9	719.6	716.0	710.9	706.6	700.7	697.6	695.6	694.1	693.6
27.5°	766.7	767.1	763.2	758.0	750.1	745.5	737.6	733.7	732.5	731.0	730.6
30°	835.0	831.4	824.7	816.6	809.5	799.3	787.8	783.9	780.0	778.8	778.8
32.5°	960.6	958.6	953.1	932.7	923.4	902.1	882.1	870.7	857.7	851.5	847.5
35°	1048.6	1047.7	1043.4	1036.4	1030.5	1026.1	1014.3	1012.5	1010.1	1010.1	1013.2
37.5°	1113.3	1108.6	1107.7	1109.0	1107.4	1108.2	1117.6	1130.6	1141.6	1147.1	1146.2
40°	1209.1	1202.4	1206.3	1203.5	1200.1	1199.3	1202.4	1207.4	1212.7	1212.7	1211.4
42.5°	1334.3	1337.5	1339.0	1327.6	1320.2	1318.2	1325.7	1324.1	1329.2	1327.3	1322.1
45°	1520.4	1518.3	1515.7	1502.0	1490.1	1480.8	1482.6	1479.9	1480.4	1477.2	1473.3
47.5°	1708.0	1714.6	1703.3	1696.6	1683.3	1676.7	1682.1	1677.4	1686.3	1670.0	1662.1
50°	1890.2	1894.9	1891.0	1881.5	1881.5	1891.0	1897.7	1906.2	1918.8	1899.9	1871.6
52.5°	2039.3	2043.3	2049.1	2056.9	2076.3	2096.2	2124.5	2154.8	2178.7	2175.1	2142.9
55°	2130.3	2135.1	2144.9	2172.0	2206.5	2259.2	2323.2	2393.5	2448.4	2475.0	2451.5
57.5°	2161.0	2164.6	2191.3	2223.8	2277.6	2355.7	2462.9	2584.2	2689.8	2756.9	2746.3
60°	2153.9	2154.0	2181.0	2225.8	2301.2	2404.9	2556.3	2724.3	2886.1	2986.6	2971.6
62.5°	2079.7	2083.7	2122.6	2176.4	2267.4	2391.5	2572.1	2786.8	2980.3	3105.1	3092.9
65°	1917.2	1920.0	1962.1	2026.1	2127.6	2274.4	2471.9	2709.8	2931.6	3051.7	3028.9
67.5°	1654.6	1657.3	1691.5	1763.7	1871.3	2024.8	2238.0	2499.7	2716.9	2811.9	2743.6
70°	1316.3	1324.1	1346.1	1422.6	1504.3	1654.6	1851.0	2112.8	2317.7	2407.5	2332.1
72.5°	896.9	917.0	943.7	1011.6	1089.8	1214.5	1370.8	1591.5	1755.9	1859.9	1792.8
75°	505.2	533.5	541.8	593.1	657.5	756.1	870.3	1028.5	1194.5	1278.9	1198.1
77.5°	218.2	241.5	251.6	275.5	325.8	367.0	436.6	543.3	671.6	731.0	634.1
80°	107.5	113.0	117.4	124.8	139.0	152.4	185.3	232.0	284.7	298.0	237.1
82.5°	83.2	87.2	94.6	100.5	104.0	107.5	110.7	117.0	122.0	124.8	117.8
85°	58.4	63.6	71.8	78.5	82.4	85.2	88.0	89.9	85.2	77.8	81.7
87.5°	15.3	20.1	27.9	30.2	34.1	36.1	35.3	36.5	32.9	23.9	26.7
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°	504.0	504.0	504.0	504.0	504.0	504.0	504.0	504.0
2.5°	506.8	506.4	506.8	506.8	506.8	506.4	506.4	506.4
5°	515.8	515.8	516.2	515.4	515.4	515.9	515.4	515.1
7.5°	531.2	530.8	530.8	530.3	530.8	530.3	530.3	530.0
10°	551.5	550.7	551.2	550.0	550.0	549.6	549.6	549.6
12.5°	573.6	572.3	572.7	571.5	569.7	570.0	570.4	570.0
15°	594.8	593.5	592.4	591.6	590.4	590.8	590.8	590.4
17.5°	616.4	614.0	613.6	612.4	612.0	612.0	611.9	612.4
20°	638.7	637.1	636.7	635.5	635.2	636.3	636.7	635.9
22.5°	662.6	661.9	662.6	661.8	663.1	663.8	664.2	663.4
25°	692.8	692.1	693.2	696.0	697.6	698.3	700.3	699.5
27.5°	731.7	731.0	733.7	737.7	739.9	743.9	745.9	746.6
30°	782.0	785.5	787.1	795.0	796.5	802.8	802.8	805.5
32.5°	855.1	861.7	873.5	885.6	902.5	914.6	914.6	920.9
35°	1015.2	1017.9	1026.9	1028.8	1032.4	1036.4	1032.4	1035.5
37.5°	1138.1	1125.9	1117.2	1105.0	1097.6	1097.6	1098.4	1097.6
40°	1200.8	1196.1	1192.2	1182.0	1180.4	1180.0	1180.0	1181.6
42.5°	1313.1	1301.8	1295.4	1286.8	1284.1	1283.3	1282.9	1283.6
45°	1459.2	1440.8	1423.8	1415.2	1407.7	1400.6	1403.0	1403.0
47.5°	1629.1	1600.4	1572.9	1558.1	1545.1	1539.2	1535.3	1534.1
50°	1836.0	1795.9	1760.6	1732.8	1713.9	1713.5	1715.5	1702.9
52.5°	2089.5	2026.4	1982.4	1944.8	1927.1	1925.1	1918.8	1911.7
55°	2370.6	2295.6	2223.1	2182.5	2159.5	2146.9	2139.4	2127.6
57.5°	2660.3	2559.5	2455.0	2390.3	2349.4	2321.1	2306.2	2299.5
60°	2883.7	2746.0	2608.2	2504.1	2436.2	2394.2	2368.3	2357.7
62.5°	2971.6	2784.8	2608.1	2471.6	2373.4	2315.4	2280.4	2265.0
65°	2866.8	2645.4	2444.5	2293.8	2184.2	2119.5	2081.3	2064.8
67.5°	2574.0	2378.5	2159.8	2009.9	1897.2	1833.2	1792.0	1779.8
70°	2157.9	1958.1	1749.2	1615.4	1514.9	1462.7	1419.9	1414.8
72.5°	1621.6	1449.3	1270.3	1159.6	1078.7	992.4	970.4	981.4
75°	1039.4	878.1	718.8	619.0	545.3	462.9	431.1	438.9
77.5°	492.3	381.2	275.2	212.7	178.6	152.7	146.0	142.1
80°	182.5	148.0	130.7	124.1	119.3	115.0	111.8	108.4
82.5°	118.1	115.3	111.8	110.7	107.2	101.7	91.5	87.2
85°	88.4	88.4	83.6	84.0	81.3	74.2	64.7	59.6
87.5°	25.9	23.2	21.2	19.6	19.3	17.3	12.6	11.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)