

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: P180078

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180078
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
Description: ICON SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8885.1 lumens
Efficiency: N/A
Efficacy: 118.2 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

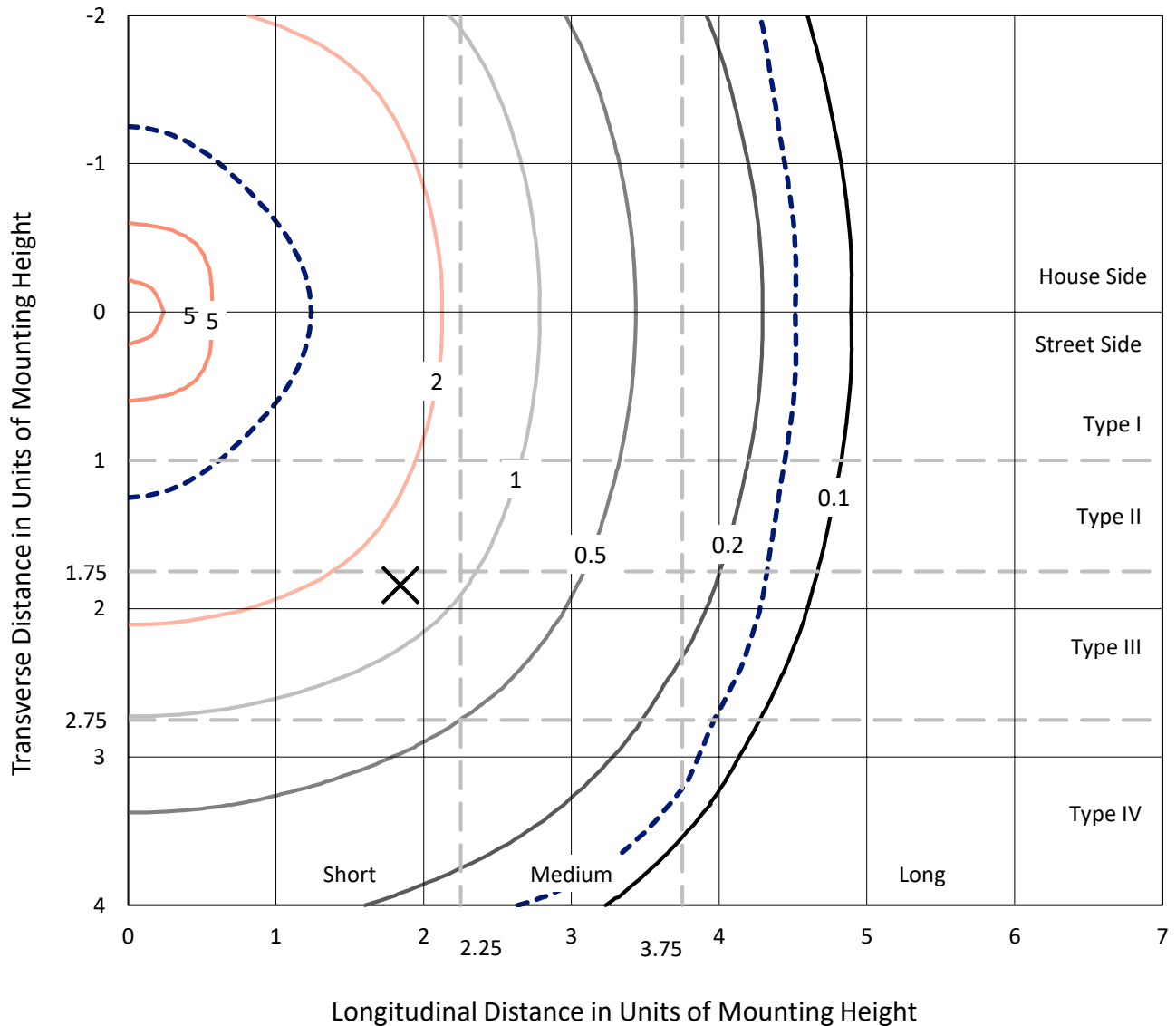
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P180078
 CATALOG NUMBER: ICM-E03-LED-E1-5WQ

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

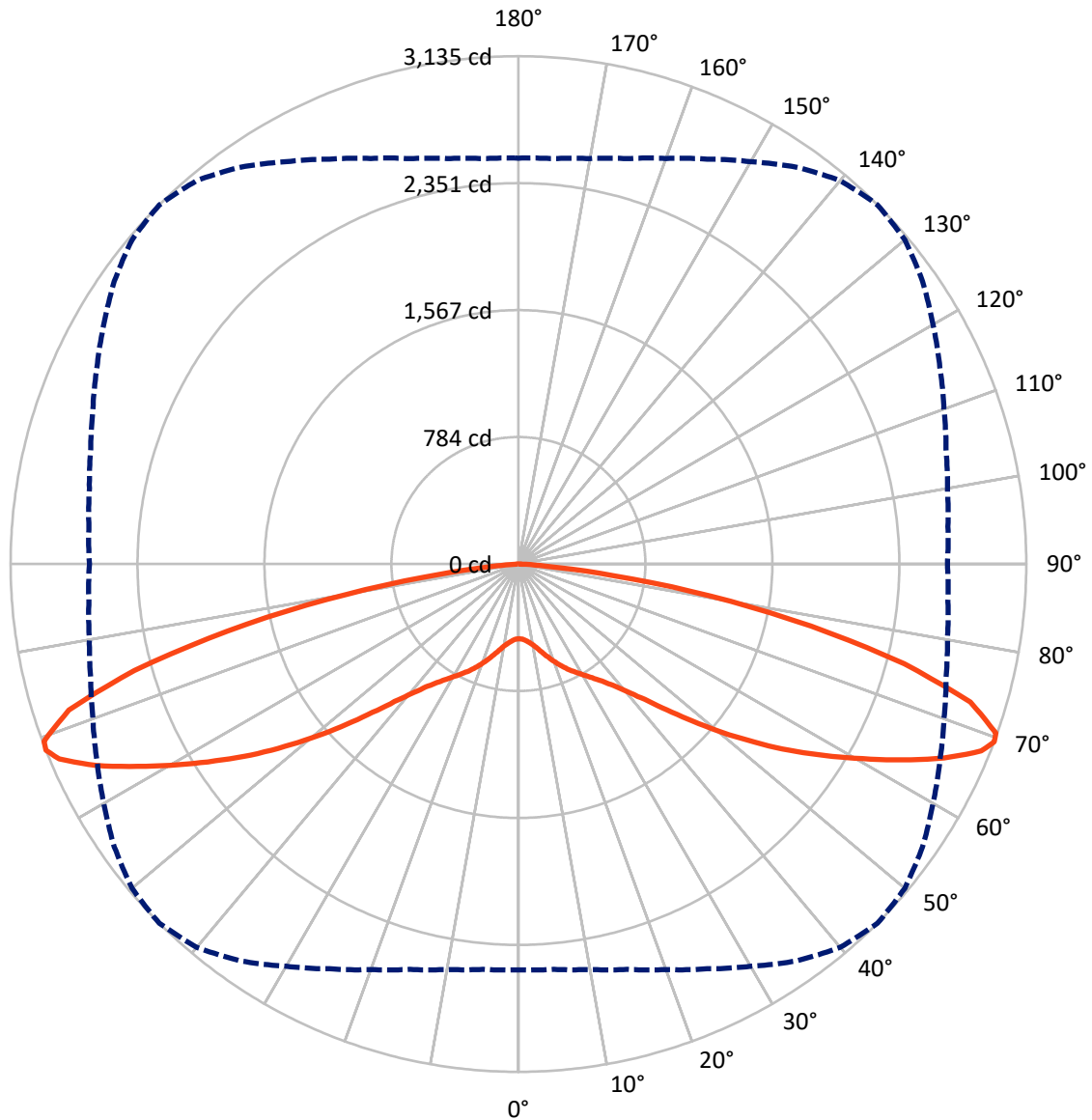


Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - Semi-Cutoff

REPORT NUMBER: P180078

CATALOG NUMBER: ICM-E03-LED-E1-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P180078

CATALOG NUMBER: ICM-E03-LED-E1-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4442.5	0.0	4442.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4442.5	0.0	4442.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8885.1	0.0	8885.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.3	0.5
10°-20°	163.6	1.8
20°-30°	331.3	3.7
30°-40°	555.4	6.3
40°-50°	979.7	11.0
50°-60°	1727.6	19.4
60°-70°	2637.6	29.7
70°-80°	2204.0	24.8
80°-90°	239.5	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°	8885.1	100.0
0°-180°	8885.1	100.0



REPORT NUMBER: P180078

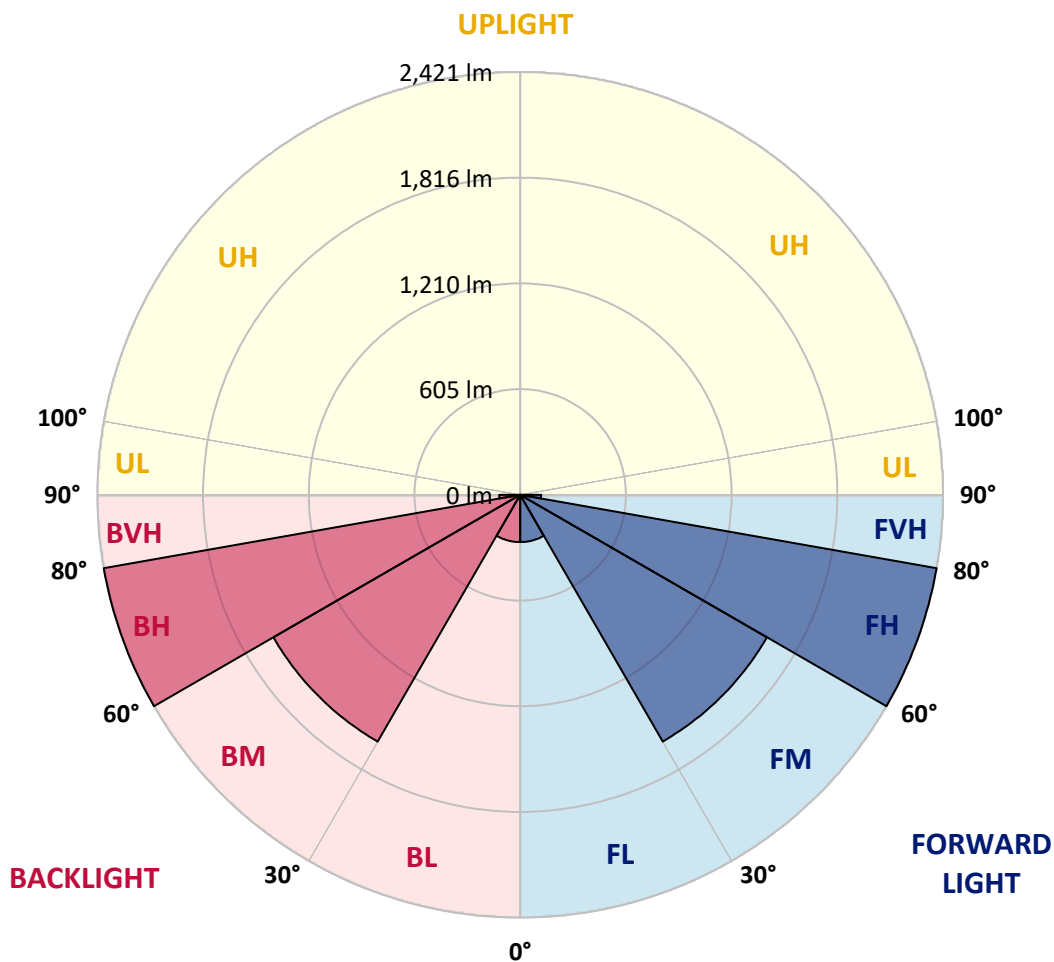
CATALOG NUMBER: ICM-E03-LED-E1-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	270.6	3.0			
FM (30°-60°)	1631.4	18.4			
FH (60°-80°)	2420.8	27.2			G2/5000
FVH (80°-90°)	119.7	1.3			G2/225
BL (0°-30°)	270.6	3.0	B1/500		
BM (30°-60°)	1631.4	18.4	B2/2500		
BH (60°-80°)	2420.8	27.2	B3/2500		G2/5000
BVH (80°-90°)	119.7	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





REPORT NUMBER: P180078

CATALOG NUMBER: ICM-E03-LED-E1-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4
2.5°	465.1	466.0	465.1	465.1	465.1	465.1	465.1	464.2	464.2	464.2	465.1
5°	474.4	475.4	474.4	475.4	475.4	475.4	475.4	474.4	474.4	474.4	474.4
7.5°	489.3	489.3	489.3	490.2	489.3	489.3	490.2	489.3	489.3	489.3	489.3
10°	510.7	509.8	509.8	509.8	509.8	509.8	510.7	510.7	510.7	509.8	509.8
12.5°	536.7	535.8	536.7	536.7	537.7	537.7	537.7	537.7	537.7	537.7	536.7
15°	568.4	568.4	568.4	569.3	571.2	571.2	570.2	571.2	571.2	571.2	571.2
17.5°	603.7	605.6	603.7	604.7	605.6	604.7	606.5	607.4	608.4	607.4	604.7
20°	640.0	640.9	640.9	640.9	640.9	642.8	643.7	643.7	646.5	645.6	644.7
22.5°	674.4	676.3	676.3	677.2	677.2	680.0	680.0	680.0	681.9	683.7	681.9
25°	710.7	709.8	709.8	711.6	712.6	716.3	716.3	718.1	720.9	721.9	720.0
27.5°	743.3	742.3	742.3	745.1	746.1	750.7	750.7	754.4	756.3	757.2	755.4
30°	777.7	777.7	776.7	779.5	782.3	786.1	787.9	791.6	794.4	795.4	793.5
32.5°	818.6	816.7	817.7	819.5	821.4	825.1	827.9	832.6	836.3	837.2	835.4
35°	865.1	862.3	863.3	865.1	867.9	873.5	878.1	880.9	886.5	888.4	884.7
37.5°	916.3	917.2	916.3	920.9	925.6	932.1	937.7	941.4	947.0	949.8	947.0
40°	988.8	986.1	988.8	993.5	1000.9	1009.3	1020.5	1023.3	1028.8	1034.4	1027.9
42.5°	1082.8	1080.9	1087.4	1091.2	1099.5	1108.8	1122.8	1130.2	1138.6	1142.3	1136.8
45°	1205.6	1205.6	1213.0	1214.0	1227.0	1239.1	1258.6	1267.9	1283.7	1283.7	1283.7
47.5°	1341.4	1347.0	1351.6	1360.9	1370.2	1392.6	1412.1	1432.6	1447.5	1449.3	1446.5
50°	1481.9	1487.5	1501.4	1514.4	1534.9	1562.8	1584.2	1611.2	1624.2	1635.4	1631.6
52.5°	1637.2	1638.1	1654.9	1671.6	1701.4	1732.1	1766.5	1794.4	1817.7	1827.9	1819.5
55°	1807.5	1809.3	1824.2	1841.9	1875.4	1910.7	1953.5	1982.3	2012.1	2030.7	2016.8
57.5°	1991.6	1992.6	2007.5	2028.8	2068.8	2104.2	2145.1	2186.1	2214.0	2230.7	2221.4
60°	2195.4	2200.0	2211.2	2238.2	2276.3	2313.5	2354.4	2390.7	2423.3	2440.9	2431.6
62.5°	2413.0	2417.7	2433.5	2454.9	2488.4	2529.3	2568.4	2614.9	2641.9	2661.4	2647.5
65°	2559.1	2567.5	2592.6	2621.4	2670.7	2723.7	2769.3	2832.6	2865.1	2888.4	2875.4
67.5°	2568.4	2573.0	2603.7	2647.5	2713.5	2793.5	2886.5	2985.1	3049.3	3080.0	3057.7
69°	2505.1	2511.6	2541.4	2590.7	2664.2	2757.2	2867.9	2990.7	3089.3	3134.9	3113.5
70°	2433.5	2447.5	2480.0	2534.0	2605.6	2703.3	2817.7	2948.9	3064.2	3126.5	3110.7
72.5°	2282.8	2286.5	2307.9	2350.7	2405.6	2486.5	2594.4	2718.2	2827.9	2917.2	2930.3
75°	2026.1	2038.2	2054.0	2082.8	2110.7	2169.3	2241.9	2326.5	2390.7	2459.5	2462.3
77.5°	1531.2	1567.5	1579.5	1586.1	1598.1	1644.7	1707.9	1781.4	1834.4	1845.6	1843.7
80°	687.4	735.8	747.0	800.0	832.6	909.8	1006.5	1119.1	1194.4	1202.8	1182.3
82.5°	134.9	144.2	168.4	210.2	286.5	332.1	395.4	474.4	547.0	588.8	563.7
85°	44.7	47.4	54.9	60.5	69.8	79.1	95.8	119.1	147.9	163.7	146.0
87.5°	17.7	17.7	20.5	22.3	24.2	24.2	24.2	22.3	21.4	17.7	15.8
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: P180078

CATALOG NUMBER: ICM-E03-LED-E1-5WQ

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	461.4	461.4	461.4	461.4	461.4	461.4	461.4	461.4
2.5°	464.2	464.2	464.2	464.2	464.2	464.2	464.2	464.2
5°	474.4	473.5	473.5	472.6	472.6	472.6	472.6	472.6
7.5°	488.4	487.4	486.5	487.4	486.5	486.5	486.5	486.5
10°	509.8	507.9	507.0	506.0	506.0	506.0	505.1	505.1
12.5°	534.9	534.9	534.0	533.0	531.2	532.1	531.2	529.3
15°	569.3	567.4	566.5	565.6	563.7	563.7	563.7	562.8
17.5°	603.7	601.9	601.9	599.1	598.1	598.1	598.1	599.1
20°	641.9	639.1	637.2	635.4	633.5	634.4	632.6	634.4
22.5°	680.0	676.3	674.4	671.6	668.8	668.8	667.9	666.1
25°	717.2	712.6	710.7	707.9	704.2	704.2	702.3	700.5
27.5°	752.6	747.9	746.1	740.5	736.7	735.8	734.0	733.0
30°	791.6	786.1	783.3	777.7	772.1	771.2	768.4	768.4
32.5°	832.6	827.0	825.1	816.7	812.1	812.1	810.2	808.4
35°	883.7	875.4	873.5	865.1	858.6	858.6	856.7	857.7
37.5°	944.2	937.7	931.2	924.7	917.2	916.3	914.4	912.6
40°	1025.1	1017.7	1010.2	1000.9	994.4	992.6	989.8	988.8
42.5°	1133.0	1125.6	1110.7	1103.3	1096.8	1091.2	1090.2	1089.3
45°	1270.7	1261.4	1251.2	1237.2	1228.8	1216.8	1214.9	1210.2
47.5°	1436.3	1418.6	1400.9	1388.8	1375.8	1361.9	1359.1	1351.6
50°	1612.1	1598.1	1568.4	1548.8	1528.4	1514.4	1505.1	1502.3
52.5°	1800.9	1774.9	1745.1	1719.1	1689.3	1670.7	1654.0	1649.3
55°	1998.2	1960.9	1923.7	1893.0	1863.3	1840.9	1825.1	1817.7
57.5°	2195.4	2154.4	2113.5	2080.0	2054.9	2026.1	2010.2	2006.5
60°	2400.9	2361.9	2320.0	2286.5	2255.8	2230.7	2221.4	2203.7
62.5°	2618.6	2577.7	2538.6	2506.1	2467.0	2449.3	2433.5	2423.3
65°	2832.6	2785.1	2735.8	2701.4	2662.3	2637.2	2617.7	2603.7
67.5°	2998.2	2926.5	2860.5	2802.8	2749.8	2710.7	2685.6	2672.6
69°	3044.7	2955.4	2870.7	2795.4	2733.0	2689.3	2661.4	2648.4
70°	3039.1	2940.5	2847.5	2764.7	2696.8	2650.2	2623.3	2599.1
72.5°	2867.0	2776.8	2673.5	2583.3	2521.9	2477.2	2450.2	2437.2
75°	2446.5	2386.1	2311.6	2241.9	2197.2	2171.2	2137.7	2138.6
77.5°	1781.4	1783.3	1733.0	1661.4	1611.2	1601.9	1587.0	1572.1
80°	1105.1	1016.8	959.1	881.9	825.1	775.8	754.4	707.9
82.5°	509.8	398.1	308.8	233.5	179.5	140.5	122.8	100.5
85°	113.5	86.5	71.6	57.7	49.3	45.6	37.2	34.4
87.5°	15.8	14.0	13.0	12.1	10.2	7.4	5.6	4.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)