

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: P180011

Luminaire Tested: **ICM-F06-LED-E1-5MQ-8030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180011
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-F06-LED-E1-5MQ-8030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12536.5 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B4 - U0 - G2

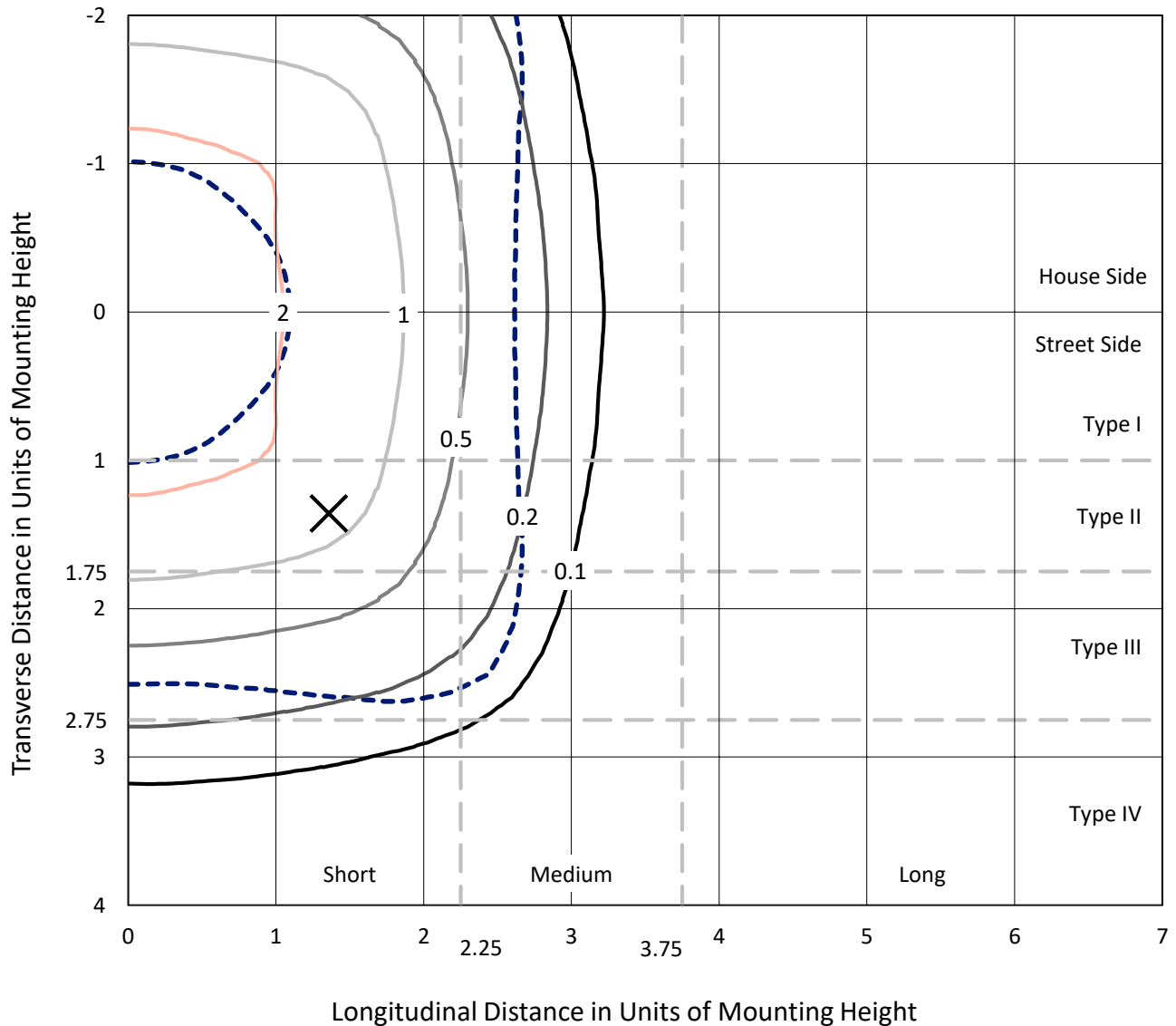
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P180011
 CATALOG NUMBER: ICM-F06-LED-E1-5MQ-8030

Iso-Footcandle Lines of Horizontal Illumination

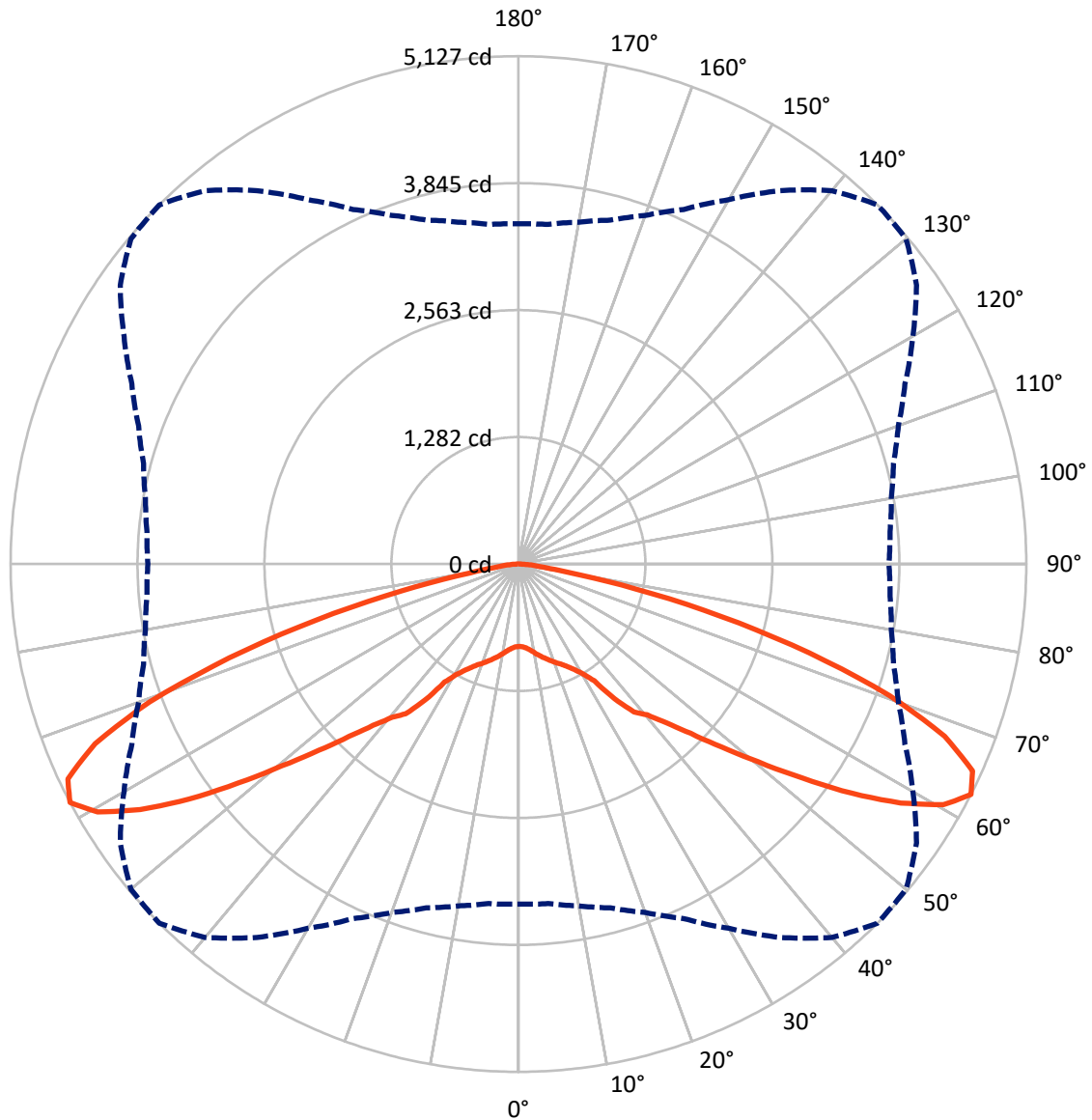
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P180011
CATALOG NUMBER: ICM-F06-LED-E1-5MQ-8030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P180011

CATALOG NUMBER: ICM-F06-LED-E1-5MQ-8030

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6268.3	0.0	6268.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6268.3	0.0	6268.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	12536.5	0.0	12536.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.4	0.7
10°-20°	281.9	2.2
20°-30°	545.1	4.3
30°-40°	1055.4	8.4
40°-50°	1905.6	15.2
50°-60°	3313.5	26.4
60°-70°	3761.7	30.0
70°-80°	1458.4	11.6
80°-90°	131.6	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°	12536.5	100.0
0°-180°	12536.5	100.0



REPORT NUMBER: P180011

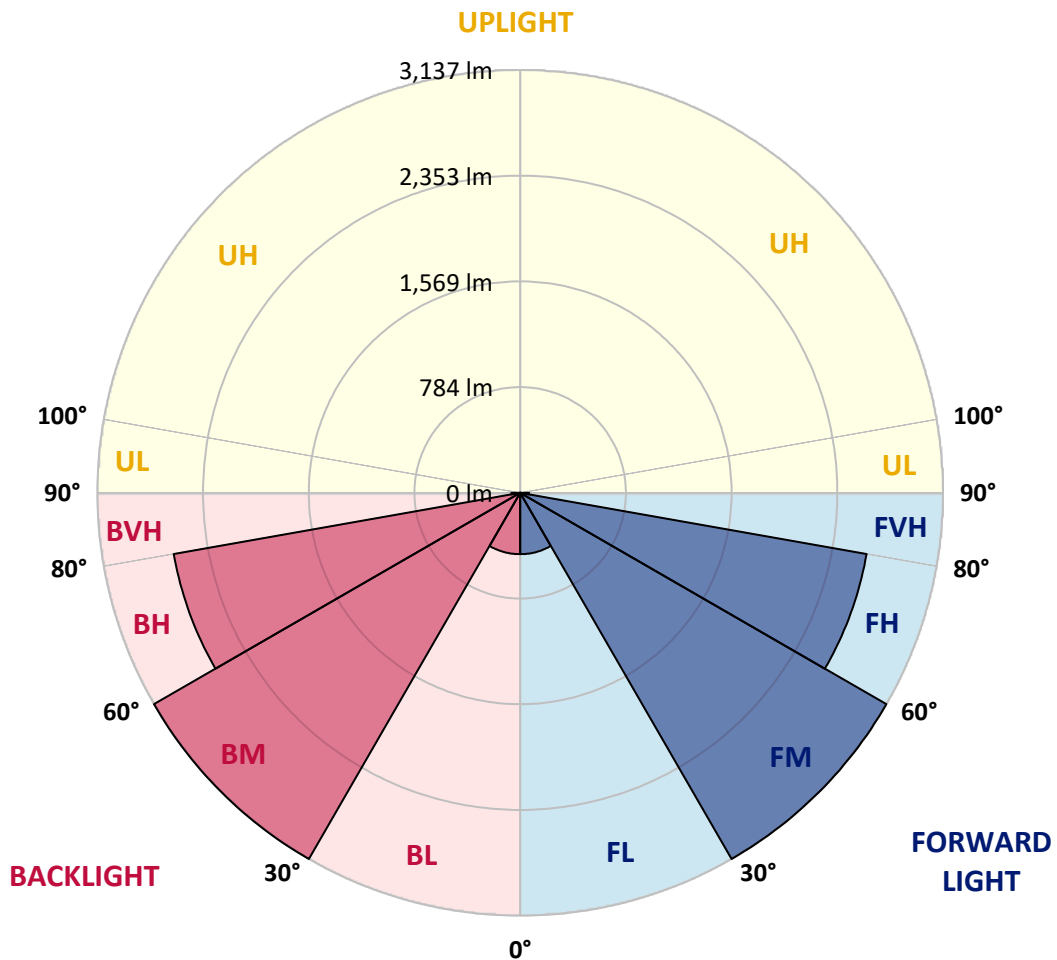
CATALOG NUMBER: ICM-F06-LED-E1-5MQ-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	455.2	3.6			
FM	(30°-60°)	3137.2	25.0			
FH	(60°-80°)	2610.0	20.8			G2/5000
FVH	(80°-90°)	65.8	0.5			G1/100
BL	(0°-30°)	455.2	3.6	B1/500		
BM	(30°-60°)	3137.2	25.0	B3/5000		
BH	(60°-80°)	2610.0	20.8	B4/5000		G2/5000
BVH	(80°-90°)	65.8	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





REPORT NUMBER: P180011

CATALOG NUMBER: ICM-F06-LED-E1-5MQ-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	832.2	832.2	832.2	832.2	832.2	832.2	832.2	832.2	832.2	832.2	832.2
2.5°	837.4	840.0	839.3	838.0	838.0	838.1	837.4	835.4	834.8	836.1	837.4
5°	856.7	856.7	856.7	856.7	855.5	855.5	854.2	852.9	853.6	852.3	851.6
7.5°	886.7	884.7	884.7	884.1	884.1	882.8	880.7	878.1	878.9	878.2	877.6
10°	921.7	922.2	920.4	922.2	919.1	918.4	915.8	914.5	913.9	912.0	911.9
12.5°	963.7	961.9	961.9	960.6	959.3	958.0	954.1	953.4	950.8	949.6	947.5
15°	1003.4	1002.6	1000.1	997.5	996.8	995.5	991.0	988.5	987.7	984.6	982.0
17.5°	1042.8	1041.5	1038.3	1037.0	1034.4	1032.5	1028.7	1024.8	1022.7	1021.4	1018.2
20°	1085.0	1083.6	1080.5	1077.9	1074.6	1072.0	1066.2	1062.9	1061.0	1059.1	1056.5
22.5°	1137.5	1134.8	1129.7	1125.2	1118.0	1115.4	1107.6	1103.1	1099.9	1097.3	1096.0
25°	1194.4	1195.2	1188.1	1182.1	1173.8	1166.6	1156.8	1151.7	1148.5	1145.9	1145.3
27.5°	1265.8	1266.4	1259.9	1251.5	1238.5	1230.8	1217.9	1211.4	1209.4	1206.9	1206.1
30°	1378.5	1372.8	1361.8	1348.1	1336.4	1319.6	1300.8	1294.3	1287.8	1286.0	1285.9
32.5°	1586.0	1582.7	1573.6	1539.9	1524.5	1489.4	1456.4	1437.6	1416.2	1405.8	1399.3
35°	1731.2	1729.9	1722.7	1711.1	1701.4	1694.1	1674.8	1671.5	1667.6	1667.6	1672.8
37.5°	1838.2	1830.3	1829.0	1830.9	1828.4	1829.7	1845.2	1866.6	1884.8	1893.8	1892.6
40°	1996.3	1985.2	1991.7	1987.2	1981.3	1980.1	1985.2	1993.6	2002.1	2002.1	2000.1
42.5°	2203.0	2208.2	2210.8	2192.0	2179.6	2176.4	2188.7	2186.1	2194.6	2191.3	2182.9
45°	2510.2	2507.0	2502.4	2479.7	2460.3	2444.8	2448.0	2443.5	2444.1	2438.9	2432.5
47.5°	2820.0	2831.1	2812.3	2801.2	2779.2	2768.2	2777.3	2769.4	2784.4	2757.2	2744.2
50°	3120.8	3128.6	3122.1	3106.4	3106.4	3122.1	3133.0	3147.4	3168.0	3136.9	3090.3
52.5°	3367.1	3373.5	3383.3	3396.2	3427.9	3461.0	3507.6	3557.6	3597.1	3591.3	3538.1
55°	3517.4	3525.2	3541.4	3586.1	3643.2	3730.1	3835.7	3951.7	4042.4	4086.4	4047.6
57.5°	3568.0	3573.8	3617.9	3671.7	3760.4	3889.4	4066.4	4266.6	4441.0	4551.8	4534.4
60°	3556.3	3556.3	3601.0	3674.9	3799.3	3970.4	4220.6	4498.1	4765.1	4931.0	4906.4
62.5°	3433.8	3440.3	3504.4	3593.2	3743.7	3948.4	4246.5	4601.1	4920.6	5126.7	5106.6
65°	3165.4	3170.1	3239.3	3345.0	3512.9	3755.2	4081.3	4474.1	4840.2	5038.6	5001.0
67.5°	2731.9	2736.4	2792.8	2912.0	3089.6	3343.1	3694.9	4127.3	4485.7	4642.5	4529.8
70°	2173.2	2186.1	2222.4	2348.9	2483.6	2731.9	3055.9	3488.2	3826.6	3974.9	3850.5
72.5°	1480.9	1514.1	1558.1	1670.2	1799.2	2005.3	2263.3	2627.6	2899.1	3070.8	2960.0
75°	834.1	880.7	894.4	979.4	1085.6	1248.3	1436.8	1698.1	1972.2	2111.6	1978.1
77.5°	360.4	398.5	415.4	455.0	537.9	606.0	720.7	896.9	1108.9	1206.9	1046.7
80°	177.6	186.7	193.9	206.1	229.4	251.5	305.9	383.1	469.9	491.9	391.4
82.5°	137.4	143.9	156.2	166.0	171.7	177.6	182.8	193.1	201.6	206.1	194.4
85°	96.6	104.9	118.6	129.7	136.2	140.7	145.1	148.5	140.7	128.4	134.9
87.5°	25.3	33.1	46.0	49.9	56.4	59.6	58.3	60.3	54.4	39.5	44.1
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: P180011

CATALOG NUMBER: ICM-F06-LED-E1-5MQ-8030

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	832.2	832.2	832.2	832.2	832.2	832.2	832.2	832.2
2.5°	836.7	836.1	836.7	836.7	836.7	836.1	836.1	836.1
5°	851.7	851.6	852.3	851.0	851.0	851.7	851.0	850.3
7.5°	876.9	876.3	876.3	875.6	876.3	875.6	875.6	875.0
10°	910.6	909.3	910.0	908.1	908.0	907.4	907.4	907.4
12.5°	946.9	944.9	945.7	943.6	940.5	941.0	941.8	941.1
15°	982.0	979.9	978.1	976.8	974.8	975.4	975.4	974.8
17.5°	1017.6	1013.7	1013.0	1011.1	1010.4	1010.4	1010.4	1011.1
20°	1054.5	1051.9	1051.3	1049.3	1048.7	1050.6	1051.3	1050.0
22.5°	1094.1	1092.8	1094.0	1092.8	1094.7	1096.0	1096.7	1095.4
25°	1144.0	1142.6	1144.6	1149.1	1151.7	1153.0	1156.3	1155.0
27.5°	1208.1	1206.9	1211.4	1217.9	1221.8	1228.2	1231.4	1232.8
30°	1291.1	1296.9	1299.5	1312.5	1315.0	1325.4	1325.4	1330.0
32.5°	1411.6	1422.6	1442.1	1462.1	1490.1	1510.1	1510.1	1520.5
35°	1676.1	1680.6	1695.5	1698.8	1704.6	1711.1	1704.6	1709.8
37.5°	1878.9	1858.8	1844.7	1824.5	1812.2	1812.1	1813.5	1812.2
40°	1982.6	1974.9	1968.4	1951.5	1948.8	1948.3	1948.3	1950.9
42.5°	2168.0	2149.2	2138.8	2124.6	2120.0	2118.7	2118.2	2119.4
45°	2409.1	2378.6	2350.7	2336.6	2324.2	2312.6	2316.4	2316.4
47.5°	2689.7	2642.4	2597.0	2572.4	2551.1	2541.3	2534.8	2532.9
50°	3031.3	2965.2	2906.8	2860.9	2829.8	2829.0	2832.4	2811.6
52.5°	3450.0	3345.7	3273.1	3210.8	3181.6	3178.4	3168.0	3156.4
55°	3914.1	3790.3	3670.3	3603.6	3565.4	3544.6	3532.3	3512.9
57.5°	4392.4	4225.8	4053.4	3946.4	3879.1	3832.4	3807.8	3796.8
60°	4761.1	4533.6	4306.2	4134.4	4022.4	3953.0	3910.2	3892.7
62.5°	4906.3	4597.8	4306.2	4080.6	3918.5	3822.7	3765.0	3739.7
65°	4733.2	4367.7	4035.9	3787.0	3606.2	3499.3	3436.4	3409.1
67.5°	4249.8	3927.0	3566.0	3318.3	3132.4	3026.8	2958.7	2938.6
70°	3562.8	3232.9	2888.0	2667.0	2501.1	2414.9	2344.3	2335.8
72.5°	2677.4	2392.9	2097.3	1914.6	1781.0	1638.5	1602.2	1620.3
75°	1716.3	1449.9	1186.8	1022.1	900.3	764.1	711.6	724.7
77.5°	812.7	629.4	454.3	351.3	294.9	252.1	241.1	234.6
80°	301.4	244.3	215.8	204.8	197.0	189.9	184.7	178.9
82.5°	195.2	190.5	184.7	182.8	176.9	167.8	151.0	143.9
85°	145.9	145.9	138.0	138.7	134.1	122.5	107.0	98.5
87.5°	42.8	38.2	35.0	32.4	31.8	28.5	20.7	18.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)