

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: P180212

Luminaire Tested: **ICM-F06-LED-E1-5XQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180212
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: ICM-F06-LED-E1-5XQ-7030
Description: ICON SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (42) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13384.2 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B4 - U0 - G3

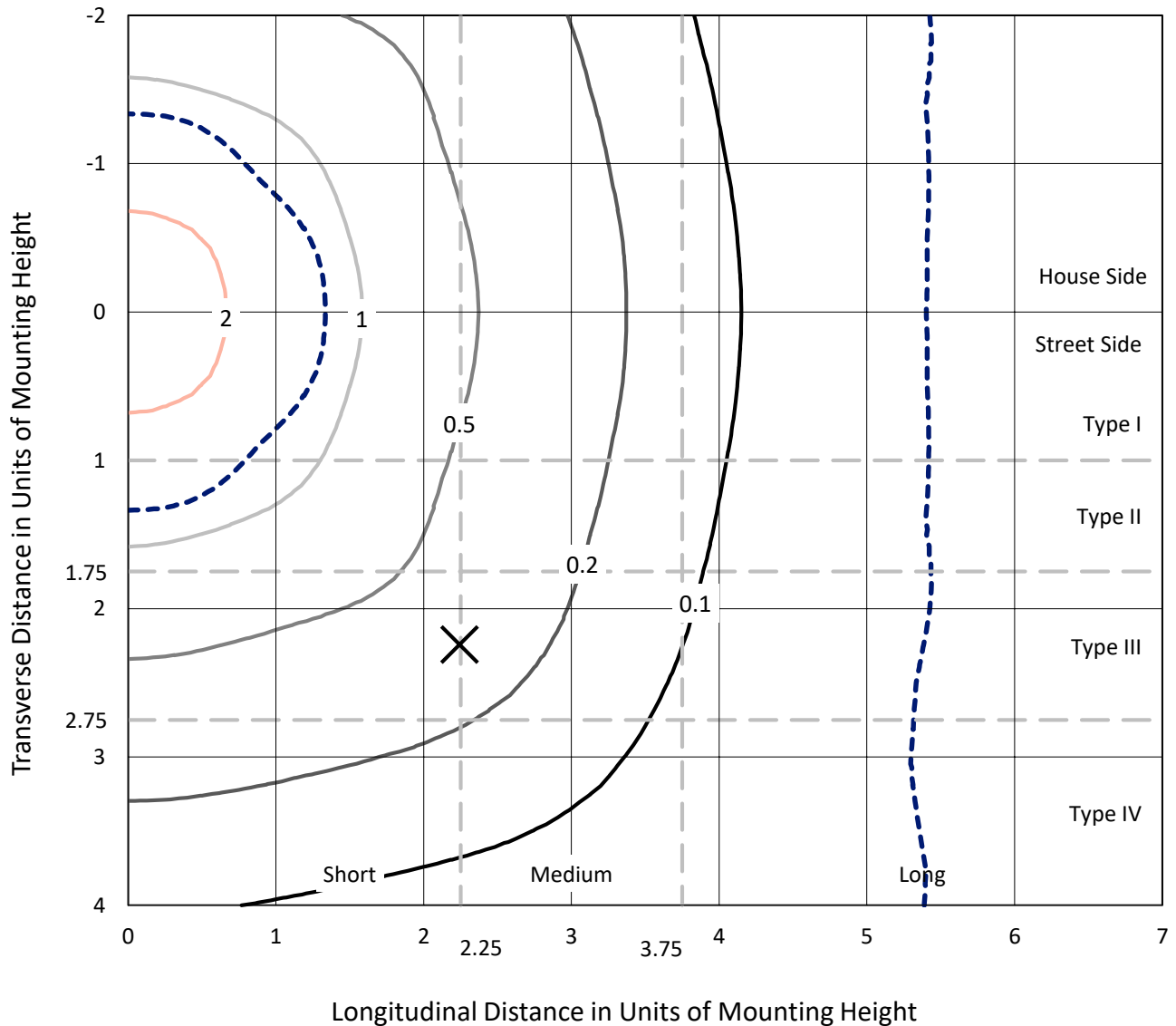
Input Watts (W): 156.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

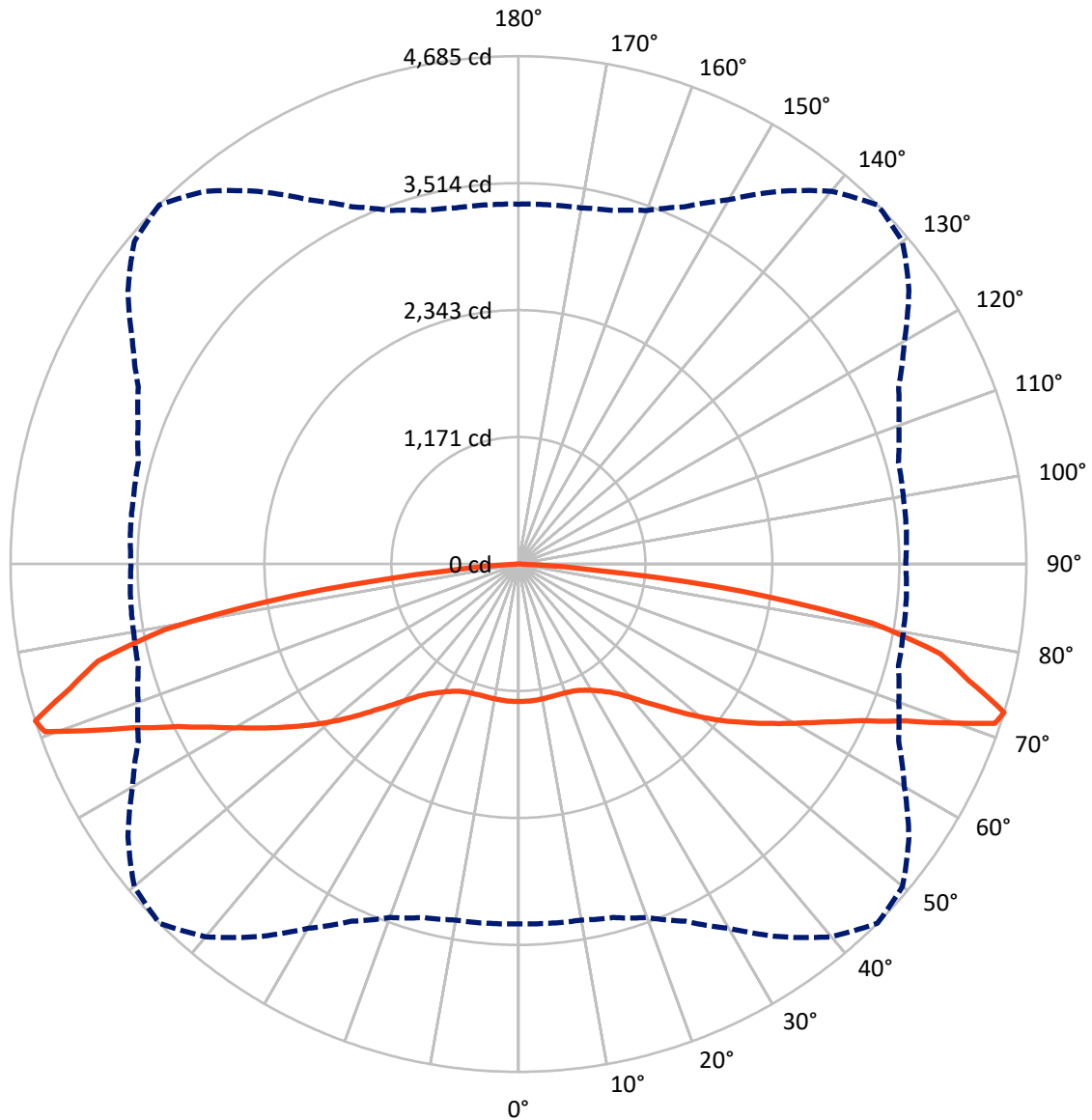
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6692.1	0.0	6692.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6692.1	0.0	6692.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	13384.2	0.0	13384.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.9	0.9
10°-20°	357.5	2.7
20°-30°	598.7	4.5
30°-40°	912.7	6.8
40°-50°	1457.3	10.9
50°-60°	2240.7	16.7
60°-70°	3262.5	24.4
70°-80°	3675.2	27.5
80°-90°	758.7	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°	13384.2	100.0
0°-180°	13384.2	100.0



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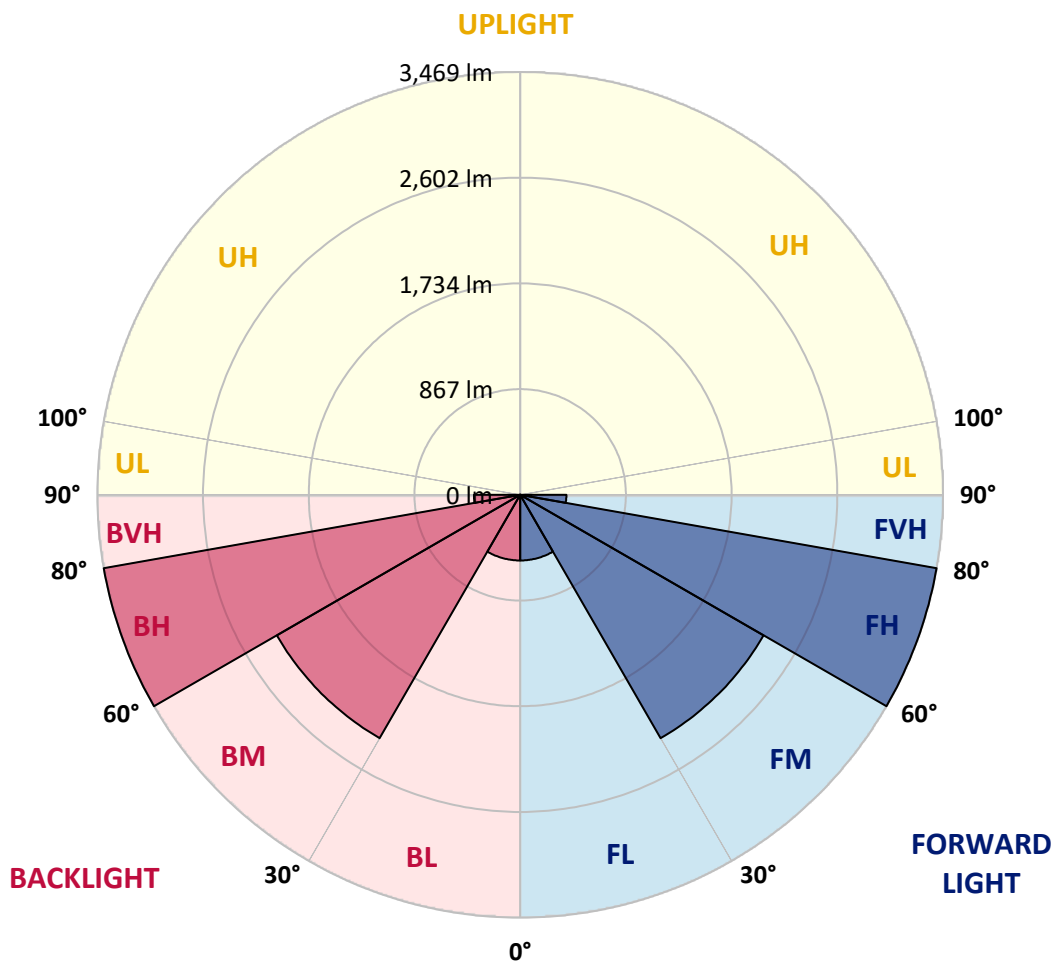
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	538.5	4.0			
FM	(30°-60°)	2305.4	17.2			
FH	(60°-80°)	3468.9	25.9			G2/5000
FVH	(80°-90°)	379.3	2.8			G3/500
BL	(0°-30°)	538.5	4.0	B2/1000		
BM	(30°-60°)	2305.4	17.2	B2/2500		
BH	(60°-80°)	3468.9	25.9	B4/5000		G2/5000
BVH	(80°-90°)	379.3	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°	1268.1	1268.1	1268.1	1268.1	1268.1	1268.1	1268.1	1268.1	1268.1	1268.1	1268.1
2.5°	1270.2	1270.9	1270.6	1269.9	1270.2	1269.9	1269.2	1268.8	1266.4	1267.8	1269.9
5°	1270.2	1269.6	1269.2	1268.8	1268.8	1269.9	1268.8	1267.8	1267.4	1268.1	1267.1
7.5°	1269.6	1268.1	1267.4	1267.1	1267.4	1267.7	1266.7	1265.3	1266.3	1265.3	1263.9
10°	1267.4	1266.4	1266.7	1265.3	1265.7	1265.3	1263.9	1262.9	1263.5	1262.5	1260.8
12.5°	1268.1	1266.4	1266.1	1265.3	1264.9	1264.7	1262.9	1261.1	1261.4	1260.8	1259.0
15°	1268.1	1267.1	1266.7	1265.3	1264.9	1264.3	1262.1	1261.4	1261.4	1260.4	1258.3
17.5°	1268.8	1268.1	1268.1	1266.4	1265.7	1265.3	1262.9	1261.8	1262.9	1260.8	1259.4
20°	1270.9	1270.2	1270.6	1269.5	1268.1	1268.1	1266.3	1265.7	1266.1	1265.7	1261.8
22.5°	1275.2	1275.2	1275.8	1275.4	1275.2	1275.4	1274.1	1274.1	1274.4	1274.4	1271.3
25°	1287.1	1286.7	1287.4	1287.4	1287.7	1290.2	1289.1	1288.8	1290.5	1290.6	1287.4
27.5°	1309.5	1308.8	1309.5	1310.2	1312.0	1315.1	1314.4	1315.4	1318.3	1317.6	1314.7
30°	1335.5	1334.7	1336.6	1338.6	1340.0	1344.9	1342.9	1348.1	1350.5	1352.7	1350.5
32.5°	1373.3	1373.3	1376.6	1377.9	1381.0	1386.0	1386.6	1390.9	1394.1	1397.6	1395.1
35°	1423.8	1423.1	1425.6	1428.1	1431.9	1436.5	1438.2	1443.8	1448.8	1451.2	1446.6
37.5°	1501.0	1497.1	1501.7	1503.1	1506.2	1507.3	1512.2	1519.2	1524.5	1523.8	1520.7
40°	1605.5	1604.8	1603.0	1600.9	1605.9	1607.6	1607.6	1617.0	1625.5	1624.1	1623.7
42.5°	1727.5	1724.4	1722.2	1722.2	1725.1	1725.8	1736.7	1743.6	1749.6	1751.1	1749.6
45°	1858.7	1855.5	1856.2	1854.8	1855.9	1860.5	1866.8	1879.7	1891.0	1891.3	1885.4
47.5°	1999.6	1989.8	1997.6	1986.7	1993.3	1996.8	2012.7	2031.5	2051.3	2054.7	2049.4
50°	2142.7	2141.7	2141.0	2138.9	2142.1	2149.8	2169.0	2198.9	2217.8	2230.4	2222.1
52.5°	2299.2	2293.9	2291.5	2287.9	2291.1	2306.2	2333.2	2359.2	2393.1	2407.5	2395.9
55°	2451.4	2449.6	2440.5	2440.2	2446.8	2470.3	2499.7	2531.6	2568.6	2584.6	2580.5
57.5°	2607.8	2597.6	2594.8	2590.6	2603.9	2626.0	2662.2	2719.6	2757.9	2776.1	2765.6
60°	2760.8	2752.9	2747.0	2745.6	2754.7	2785.6	2837.5	2906.5	2953.9	2977.8	2960.9
62.5°	2924.8	2919.9	2912.9	2904.8	2924.1	2963.7	3028.3	3104.7	3174.5	3203.9	3178.3
65°	3128.9	3118.7	3111.1	3100.9	3116.7	3166.4	3247.5	3355.1	3448.8	3483.1	3464.9
67.5°	3344.2	3334.7	3335.5	3329.1	3357.2	3426.3	3530.8	3677.0	3802.6	3861.1	3826.8
70°	3532.3	3537.5	3538.9	3564.5	3612.9	3718.1	3892.0	4121.0	4311.5	4400.9	4364.1
71°	3476.9	3488.4	3506.3	3532.9	3616.4	3740.9	3978.3	4255.7	4483.0	4634.4	4583.7
72.5°	3319.6	3326.7	3335.8	3376.5	3470.8	3635.7	3880.1	4197.1	4489.3	4685.3	4626.4
75°	3092.5	3099.1	3102.3	3130.6	3216.6	3360.4	3584.1	3865.4	4123.2	4290.1	4273.6
77.5°	2749.4	2750.5	2775.1	2818.9	2915.4	3079.8	3315.5	3607.3	3849.6	3979.4	3897.0
80°	1974.4	1961.1	1986.3	2042.8	2162.1	2350.7	2592.0	2925.1	3194.2	3315.5	3187.8
82.5°	751.3	791.9	856.0	949.3	989.7	1199.4	1424.6	1620.2	1846.8	2099.9	2036.5
85°	80.7	90.8	114.0	141.3	178.5	246.9	341.2	465.7	574.1	674.8	599.0
87.5°	30.1	30.9	34.4	39.6	40.4	42.0	44.8	52.2	48.7	42.0	34.0
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°	1268.1	1268.1	1268.1	1268.1	1268.1	1268.1	1268.1	1268.1
2.5°	1268.1	1268.5	1268.1	1268.5	1268.5	1267.1	1267.4	1266.7
5°	1267.8	1266.7	1267.1	1267.4	1267.1	1267.8	1266.7	1267.4
7.5°	1266.1	1263.9	1264.6	1264.6	1263.9	1265.0	1264.3	1263.9
10°	1262.5	1259.6	1261.0	1260.4	1260.0	1260.4	1260.4	1260.4
12.5°	1259.4	1257.6	1258.0	1257.6	1257.2	1258.2	1258.0	1258.2
15°	1258.6	1255.8	1255.4	1254.8	1255.2	1255.8	1255.8	1256.8
17.5°	1258.0	1254.4	1254.1	1253.4	1253.8	1255.2	1255.4	1254.8
20°	1260.1	1257.2	1256.6	1255.8	1255.4	1257.2	1256.8	1256.8
22.5°	1269.9	1266.3	1266.1	1263.3	1262.1	1263.2	1262.5	1262.4
25°	1285.7	1281.5	1280.1	1276.2	1273.4	1273.4	1272.4	1271.6
27.5°	1314.1	1307.7	1306.3	1303.2	1299.4	1300.1	1298.0	1297.6
30°	1347.1	1341.4	1336.5	1331.9	1327.4	1325.6	1323.2	1322.8
32.5°	1390.1	1383.8	1377.9	1372.3	1366.0	1363.5	1359.4	1357.2
35°	1443.2	1434.7	1427.7	1423.8	1417.5	1414.3	1411.5	1414.7
37.5°	1517.1	1507.0	1503.5	1498.9	1494.7	1489.8	1490.8	1489.8
40°	1619.5	1610.4	1606.9	1598.9	1597.8	1592.2	1595.6	1592.2
42.5°	1746.1	1729.3	1726.9	1720.6	1718.4	1715.3	1716.7	1714.2
45°	1883.9	1868.8	1866.1	1855.8	1856.2	1848.8	1851.7	1851.7
47.5°	2039.0	2023.2	2010.2	2002.8	2000.0	1995.5	1998.0	1997.6
50°	2198.9	2177.5	2163.1	2148.7	2142.4	2144.2	2139.3	2147.6
52.5°	2370.7	2338.8	2318.4	2304.8	2292.9	2295.3	2296.0	2298.4
55°	2548.5	2507.8	2478.3	2460.5	2449.6	2450.3	2453.5	2456.3
57.5°	2727.4	2676.5	2636.5	2609.9	2602.8	2606.1	2606.1	2605.6
60°	2912.9	2851.9	2800.3	2770.2	2763.8	2762.1	2775.7	2771.2
62.5°	3112.1	3038.8	2985.5	2946.9	2937.8	2944.1	2956.4	2953.6
65°	3376.2	3274.8	3206.1	3167.8	3152.4	3158.7	3175.2	3174.5
67.5°	3716.7	3575.0	3484.2	3435.1	3423.8	3431.6	3440.7	3449.5
70°	4225.9	4023.6	3893.8	3787.6	3742.0	3733.2	3742.3	3742.6
71°	4405.1	4172.6	3966.0	3836.3	3761.6	3730.0	3732.5	3716.7
72.5°	4397.7	4111.2	3869.6	3733.9	3630.1	3604.9	3592.5	3573.6
75°	4101.4	3843.3	3633.6	3485.6	3385.6	3355.8	3334.1	3333.0
77.5°	3719.5	3529.0	3298.0	3141.2	3019.6	2970.1	2947.9	2947.3
80°	2990.0	2704.9	2535.8	2441.6	2294.6	2252.2	2207.3	2190.4
82.5°	1808.2	1412.9	1148.8	1020.9	950.1	782.4	702.1	664.2
85°	421.2	299.2	206.2	135.4	97.5	77.5	59.6	52.7
87.5°	28.5	22.4	20.0	16.1	12.3	11.9	7.3	6.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)