

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: P180037

Luminaire Tested: **ICS-E03-LED-E1-5MQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180037
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: ICS-E03-LED-E1-5MQ-7030
Description: ICON SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7950.4 lumens
Efficiency: N/A
Efficacy: 105.7 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



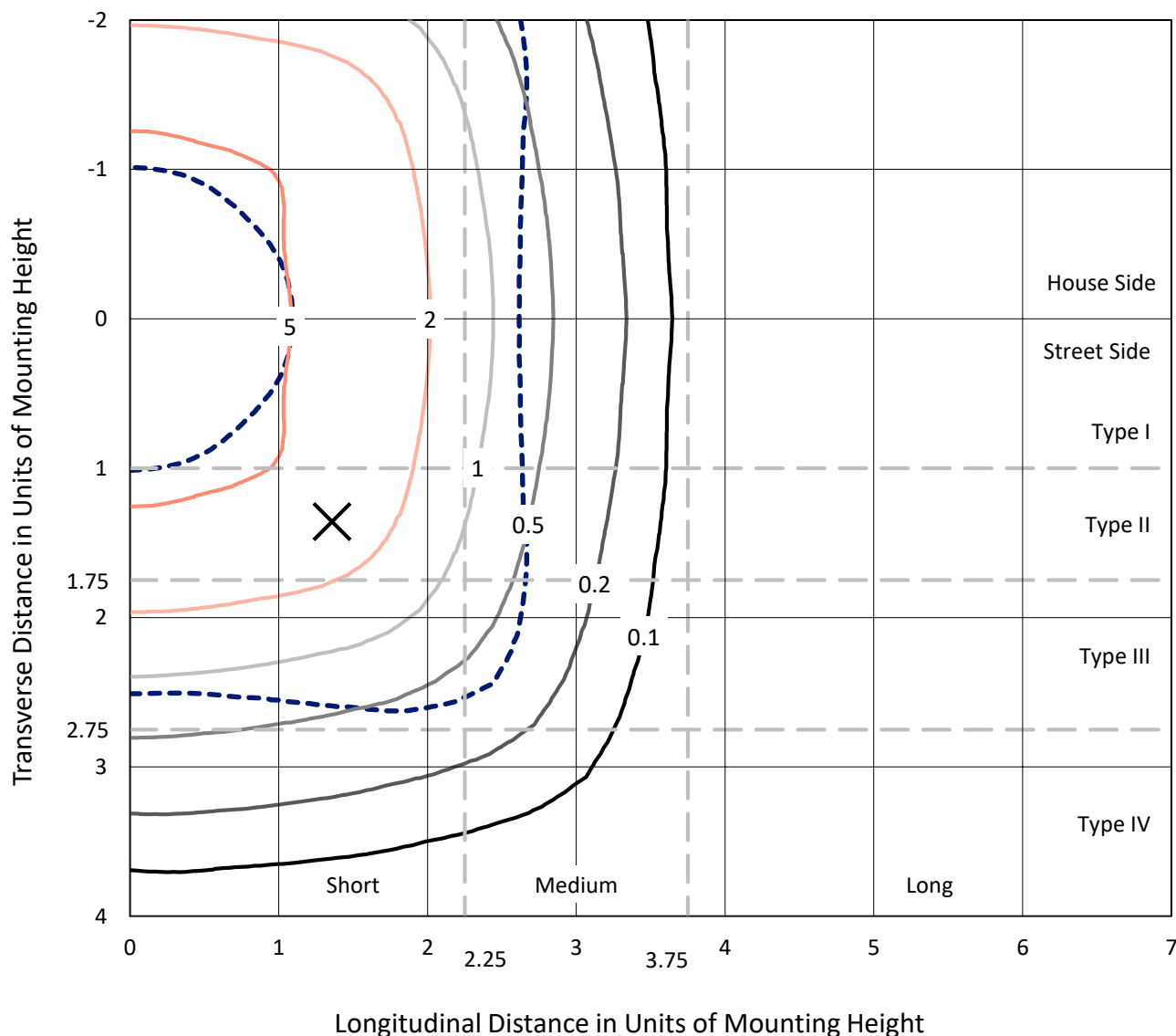
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

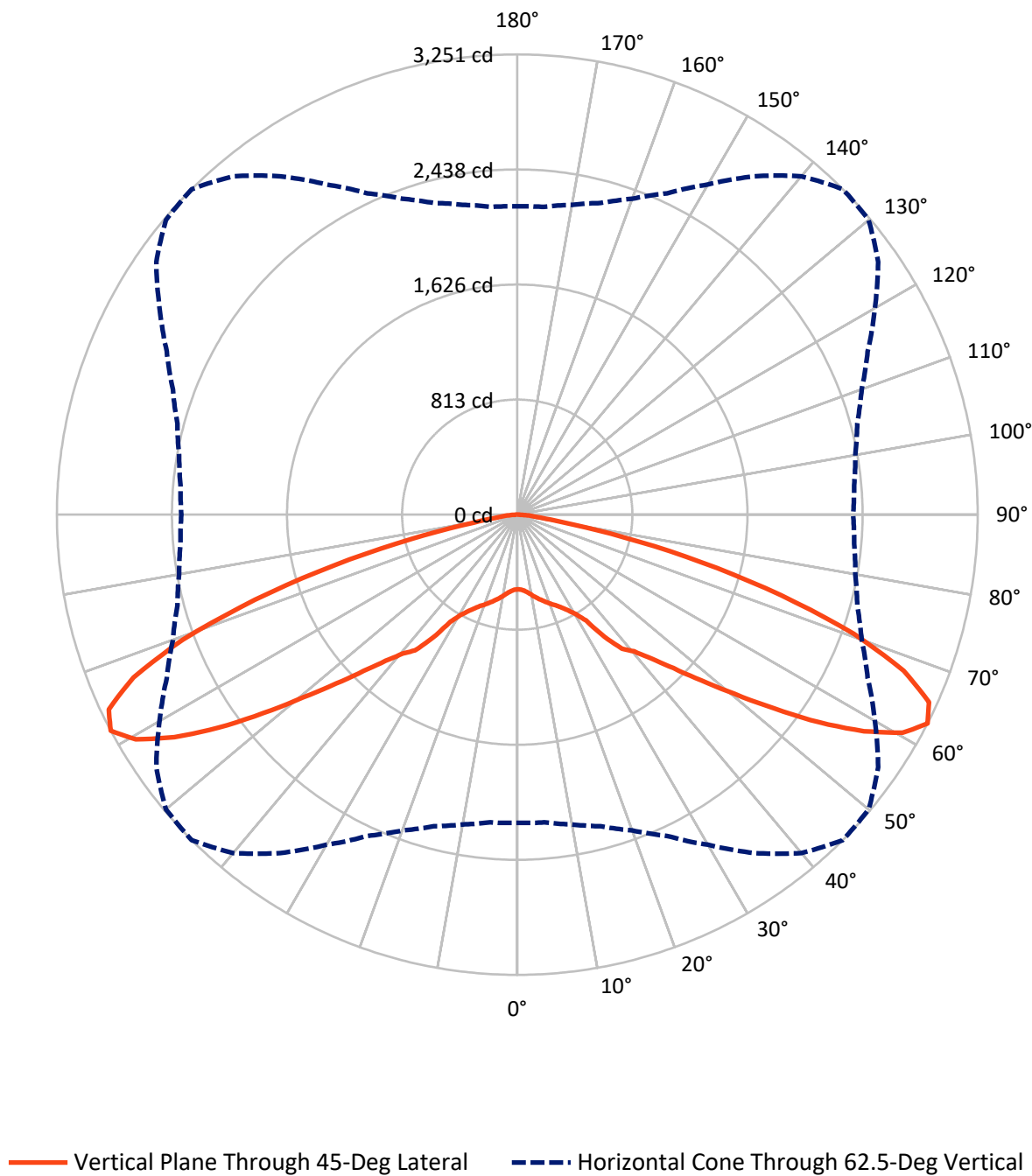


Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3975.2	0.0	3975.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3975.2	0.0	3975.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	7950.4	0.0	7950.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	0.7
10°-20°	178.8	2.2
20°-30°	345.7	4.3
30°-40°	669.3	8.4
40°-50°	1208.5	15.2
50°-60°	2101.4	26.4
60°-70°	2385.6	30.0
70°-80°	924.9	11.6
80°-90°	83.4	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°	7950.4	100.0
0°-180°	7950.4	100.0

Coefficient of Utilization



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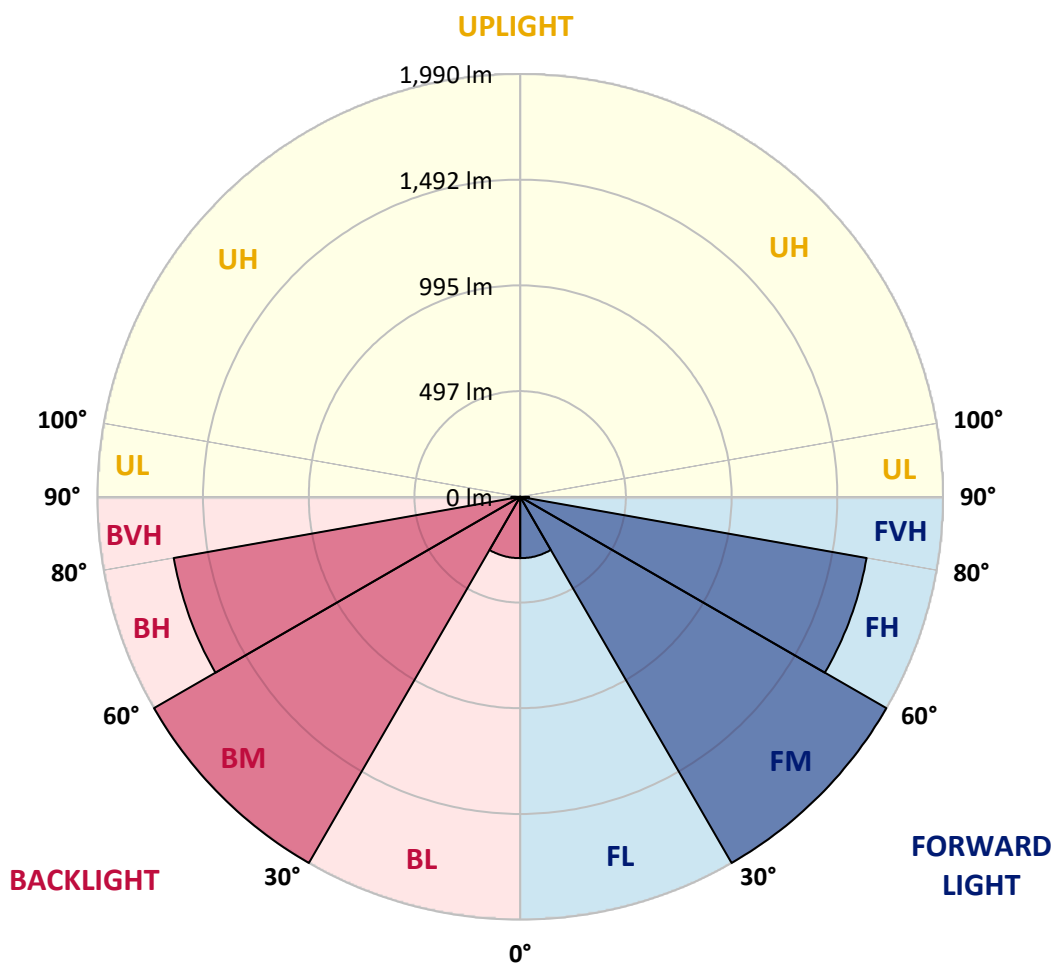
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	288.7	3.6			
FM	(30°-60°)	1989.6	25.0			
FH	(60°-80°)	1655.2	20.8			G1/1800
FVH	(80°-90°)	41.7	0.5			G1/100
BL	(0°-30°)	288.7	3.6	B1/500		
BM	(30°-60°)	1989.6	25.0	B2/2500		
BH	(60°-80°)	1655.2	20.8	B3/2500		G1/1800
BVH	(80°-90°)	41.7	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°	527.8	527.8	527.8	527.8	527.8	527.8	527.8	527.8	527.8	527.8	527.8
2.5°	531.0	532.7	532.3	531.4	531.4	531.4	531.0	529.8	529.4	530.2	531.0
5°	543.4	543.4	543.4	543.4	542.6	542.6	541.7	540.9	541.3	540.5	540.0
7.5°	562.3	561.0	561.0	560.7	560.6	559.8	558.6	557.0	557.3	557.0	556.5
10°	584.5	584.9	583.7	584.9	582.8	582.4	580.8	580.0	579.6	578.4	578.3
12.5°	611.2	610.0	610.0	609.2	608.3	607.5	605.0	604.6	603.0	602.2	600.9
15°	636.2	635.8	634.2	632.6	632.2	631.4	628.4	626.8	626.4	624.4	622.7
17.5°	661.4	660.6	658.4	657.6	656.0	654.8	652.4	649.8	648.7	647.8	645.7
20°	688.1	687.2	685.2	683.6	681.4	679.8	676.2	674.1	672.8	671.6	670.0
22.5°	721.4	719.7	716.4	713.6	709.0	707.4	702.4	699.6	697.6	695.9	695.0
25°	757.6	758.0	753.4	749.7	744.4	739.8	733.7	730.4	728.4	726.7	726.3
27.5°	802.8	803.2	799.0	793.7	785.5	780.6	772.3	768.2	767.0	765.3	764.9
30°	874.2	870.6	863.6	854.9	847.6	836.8	824.9	820.8	816.7	815.5	815.5
32.5°	1005.8	1003.7	998.0	976.6	966.8	944.6	923.6	911.7	898.1	891.6	887.4
35°	1097.8	1097.0	1092.5	1085.2	1079.0	1074.4	1062.1	1060.0	1057.6	1057.6	1060.8
37.5°	1165.6	1160.8	1159.9	1161.2	1159.5	1160.4	1170.2	1183.8	1195.3	1201.0	1200.2
40°	1266.0	1259.0	1263.1	1260.2	1256.5	1255.6	1259.0	1264.4	1269.6	1269.6	1268.4
42.5°	1397.1	1400.4	1402.0	1390.1	1382.2	1380.2	1388.0	1386.4	1391.8	1389.7	1384.4
45°	1591.9	1589.9	1587.0	1572.6	1560.2	1550.4	1552.5	1549.6	1550.0	1546.7	1542.6
47.5°	1788.4	1795.4	1783.5	1776.4	1762.5	1755.6	1761.3	1756.4	1765.8	1748.5	1740.3
50°	1979.1	1984.0	1980.0	1970.0	1970.0	1979.9	1987.0	1996.0	2009.1	1989.4	1959.8
52.5°	2135.3	2139.4	2145.6	2153.8	2174.0	2194.9	2224.5	2256.2	2281.2	2277.6	2243.8
55°	2230.6	2235.6	2245.9	2274.2	2310.4	2365.4	2432.4	2506.0	2563.6	2591.6	2566.9
57.5°	2262.8	2266.4	2294.4	2328.5	2384.8	2466.6	2578.8	2705.8	2816.4	2886.6	2875.6
60°	2255.4	2255.3	2283.7	2330.6	2409.5	2518.0	2676.6	2852.6	3021.9	3127.1	3111.5
62.5°	2177.6	2181.8	2222.4	2278.8	2374.1	2504.0	2693.0	2917.9	3120.6	3251.2	3238.5
65°	2007.5	2010.4	2054.4	2121.4	2227.8	2381.5	2588.2	2837.4	3069.6	3195.4	3171.6
67.5°	1732.5	1735.4	1771.1	1846.8	1959.4	2120.1	2343.2	2617.4	2844.8	2944.2	2872.6
70°	1378.2	1386.4	1409.4	1489.6	1575.1	1732.5	1938.0	2212.2	2426.7	2520.8	2442.0
72.5°	939.2	960.2	988.1	1059.2	1141.0	1271.7	1435.3	1666.4	1838.6	1947.4	1877.2
75°	529.0	558.6	567.2	621.0	688.5	791.6	911.2	1076.9	1250.8	1339.2	1254.5
77.5°	228.6	252.8	263.5	288.6	341.2	384.3	457.0	568.8	703.3	765.3	663.8
80°	112.6	118.4	122.9	130.7	145.6	159.5	194.0	243.0	298.0	312.0	248.2
82.5°	87.2	91.2	99.1	105.2	108.9	112.6	116.0	122.5	127.8	130.7	123.3
85°	61.2	66.6	75.2	82.2	86.4	89.2	92.0	94.1	89.2	81.4	85.5
87.5°	16.0	21.0	29.2	31.6	35.8	37.8	37.0	38.2	34.5	25.1	28.0
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°	527.8	527.8	527.8	527.8	527.8	527.8	527.8	527.8
2.5°	530.6	530.2	530.7	530.6	530.7	530.2	530.2	530.2
5°	540.1	540.1	540.5	539.7	539.7	540.1	539.7	539.3
7.5°	556.2	555.7	555.7	555.3	555.7	555.3	555.3	554.9
10°	577.5	576.7	577.1	575.8	575.8	575.4	575.4	575.4
12.5°	600.5	599.3	599.7	598.4	596.4	596.8	597.2	596.8
15°	622.7	621.5	620.2	619.4	618.2	618.6	618.6	618.2
17.5°	645.4	642.8	642.4	641.2	640.8	640.8	640.8	641.2
20°	668.8	667.1	666.7	665.4	665.0	666.2	666.7	665.9
22.5°	693.8	693.0	693.8	693.0	694.2	695.0	695.5	694.6
25°	725.4	724.7	725.9	728.8	730.4	731.2	733.3	732.5
27.5°	766.2	765.3	768.2	772.3	774.8	778.9	781.0	781.8
30°	818.8	822.4	824.2	832.4	834.0	840.6	840.6	843.4
32.5°	895.2	902.2	914.6	927.2	945.0	957.7	957.7	964.3
35°	1062.9	1065.8	1075.2	1077.3	1081.0	1085.1	1081.0	1084.3
37.5°	1191.6	1178.8	1169.8	1157.0	1149.2	1149.2	1150.0	1149.2
40°	1257.4	1252.4	1248.3	1237.6	1235.9	1235.6	1235.6	1237.2
42.5°	1374.9	1363.0	1356.4	1347.4	1344.4	1343.6	1343.2	1344.1
45°	1527.8	1508.5	1490.9	1481.8	1473.9	1466.6	1469.0	1469.0
47.5°	1705.8	1675.8	1647.0	1631.4	1617.8	1611.6	1607.6	1606.3
50°	1922.4	1880.4	1843.4	1814.3	1794.6	1794.2	1796.2	1783.0
52.5°	2188.0	2121.7	2075.7	2036.2	2017.8	2015.7	2009.1	2001.7
55°	2482.2	2403.7	2327.6	2285.4	2261.1	2247.9	2240.1	2227.8
57.5°	2785.6	2679.9	2570.6	2502.8	2460.0	2430.4	2414.8	2407.8
60°	3019.4	2875.2	2730.9	2622.0	2550.8	2506.8	2479.8	2468.6
62.5°	3111.4	2915.9	2730.9	2587.8	2485.0	2424.2	2387.7	2371.6
65°	3001.8	2769.9	2559.4	2401.6	2287.0	2219.1	2179.3	2162.0
67.5°	2695.1	2490.4	2261.4	2104.5	1986.5	1919.5	1876.4	1863.6
70°	2259.4	2050.2	1831.6	1691.4	1586.2	1531.5	1486.7	1481.4
72.5°	1698.0	1517.5	1330.1	1214.2	1129.5	1039.1	1016.1	1027.6
75°	1088.4	919.5	752.6	648.2	570.9	484.6	451.3	459.5
77.5°	515.4	399.2	288.2	222.8	187.0	159.9	152.9	148.8
80°	191.2	155.0	136.9	129.8	125.0	120.4	117.2	113.4
82.5°	123.8	120.8	117.2	115.9	112.2	106.4	95.8	91.2
85°	92.4	92.4	87.6	87.9	85.1	77.6	67.8	62.5
87.5°	27.2	24.2	22.2	20.5	20.1	18.0	13.2	11.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)