

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: P180152

Luminaire Tested: **ICS-F04-LED-E1-5WQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180152
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: ICS-F04-LED-E1-5WQ-7030
Description: ICON SITE SMALL LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (28) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8642.5 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.67' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 102.2
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



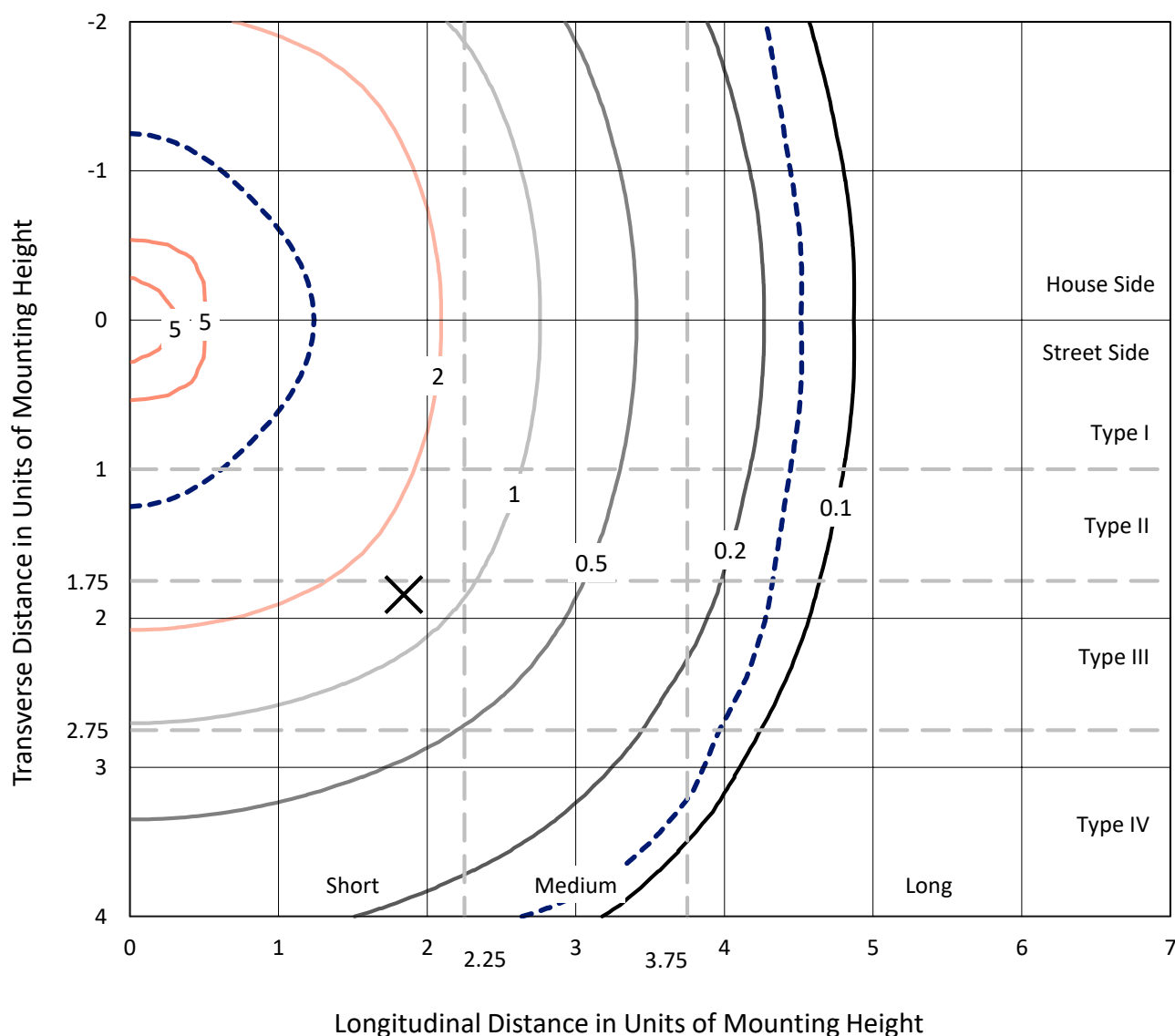
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



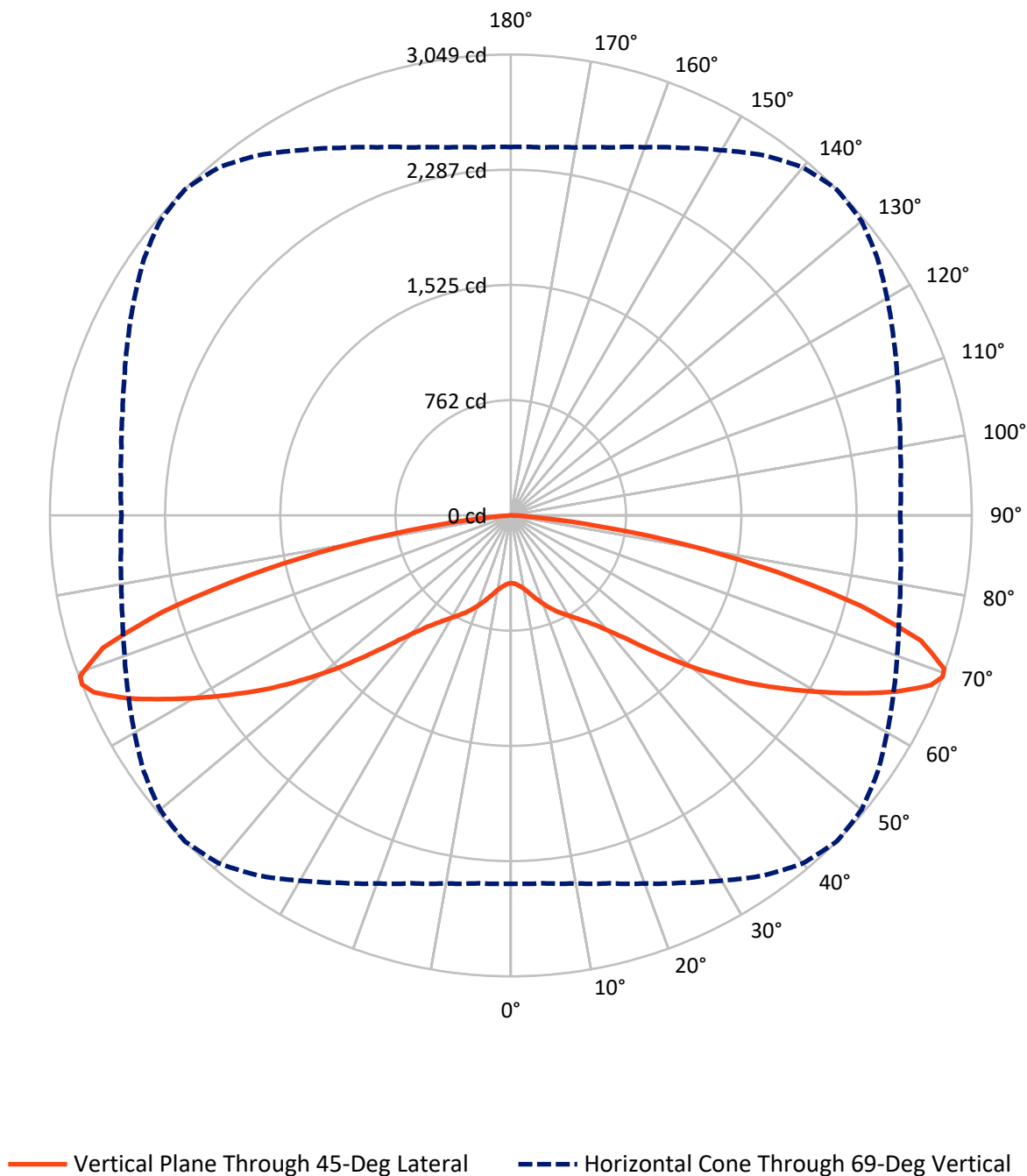
Based on 10 foot mounting height. Maximum calculated value = 5.2 fc

Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4321.2	0.0	4321.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4321.2	0.0	4321.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	8642.5	0.0	8642.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.1	0.5
10°-20°	159.1	1.8
20°-30°	322.2	3.7
30°-40°	540.2	6.3
40°-50°	952.9	11.0
50°-60°	1680.5	19.4
60°-70°	2565.6	29.7
70°-80°	2143.8	24.8
80°-90°	233.0	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°	8642.5	100.0
0°-180°	8642.5	100.0

Coefficient of Utilization



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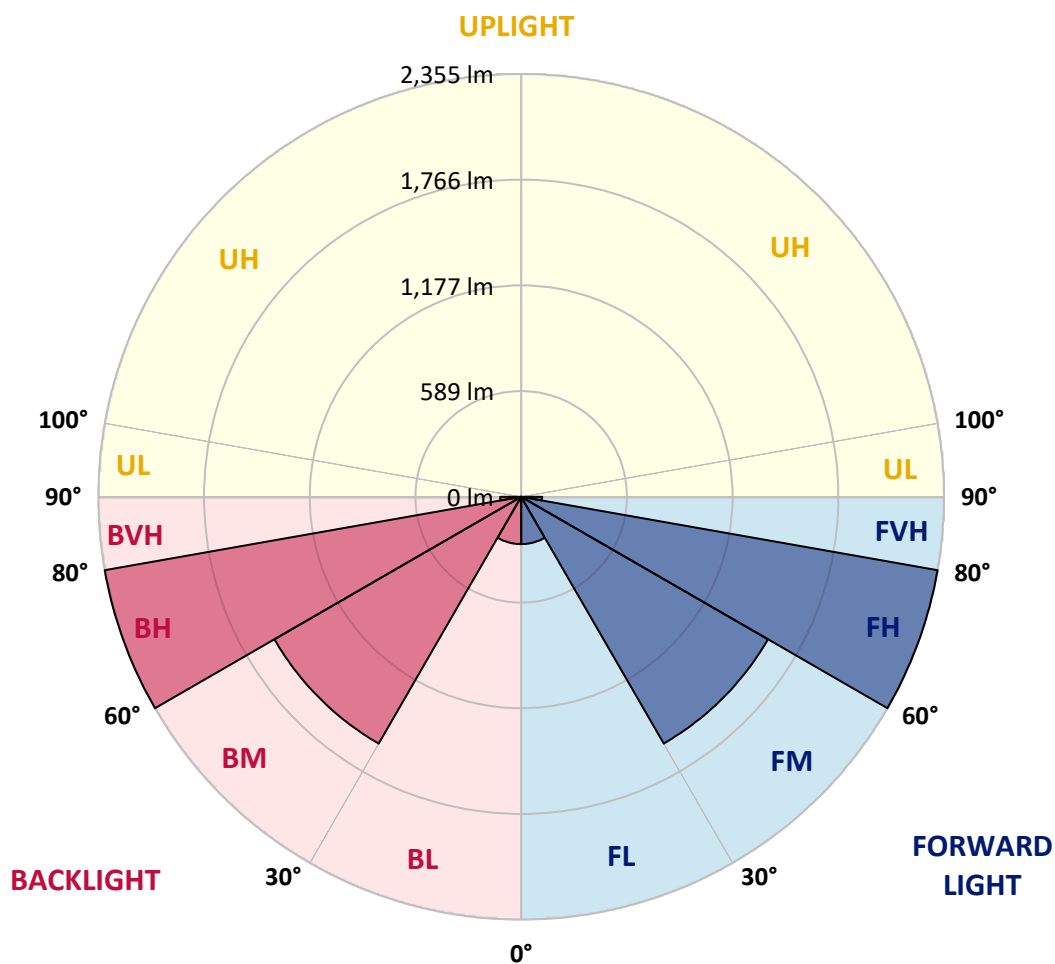
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	263.2	3.0			
FM	(30°-60°)	1586.8	18.4			
FH	(60°-80°)	2354.7	27.2			G2/5000
FVH	(80°-90°)	116.5	1.3			G2/225
BL	(0°-30°)	263.2	3.0	B1/500		
BM	(30°-60°)	1586.8	18.4	B2/2500		
BH	(60°-80°)	2354.7	27.2	B3/2500		G2/5000
BVH	(80°-90°)	116.5	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	448.8	448.8	448.8	448.8	448.8	448.8	448.8	448.8	448.8	448.8	448.8
2.5°	452.4	453.3	452.4	452.4	452.4	452.4	452.4	451.5	451.5	451.5	452.4
5°	461.5	462.4	461.5	462.4	462.4	462.4	462.4	461.5	461.5	461.5	461.5
7.5°	475.9	475.9	475.9	476.9	475.9	475.9	476.9	475.9	475.9	475.9	475.9
10°	496.8	495.9	495.9	495.9	495.9	495.9	496.8	496.8	496.8	495.9	495.9
12.5°	522.1	521.2	522.1	522.1	523.0	523.0	523.0	523.0	523.0	523.0	522.1
15°	552.9	552.9	552.9	553.8	555.6	555.6	554.7	555.6	555.6	555.6	555.6
17.5°	587.2	589.1	587.2	588.1	589.1	588.1	590.0	590.9	591.8	590.9	588.1
20°	622.5	623.4	623.4	623.4	623.4	625.2	626.2	626.2	628.9	628.0	627.1
22.5°	656.0	657.8	657.8	658.7	658.7	661.4	661.4	661.4	663.2	665.1	663.2
25°	691.3	690.4	690.4	692.2	693.1	696.7	696.7	698.5	701.3	702.2	700.3
27.5°	723.0	722.1	722.1	724.8	725.7	730.2	730.2	733.8	735.6	736.5	734.7
30°	756.4	756.4	755.5	758.3	761.0	764.6	766.4	770.0	772.7	773.6	771.8
32.5°	796.3	794.5	795.4	797.2	799.0	802.6	805.3	809.8	813.5	814.4	812.5
35°	841.5	838.8	839.7	841.5	844.2	849.6	854.2	856.9	862.3	864.1	860.5
37.5°	891.3	892.2	891.3	895.8	900.3	906.7	912.1	915.7	921.1	923.8	921.1
40°	961.8	959.1	961.8	966.4	973.6	981.8	992.6	995.3	1000.8	1006.2	999.8
42.5°	1053.2	1051.4	1057.8	1061.4	1069.5	1078.6	1092.1	1099.4	1107.5	1111.1	1105.7
45°	1172.7	1172.7	1179.9	1180.8	1193.5	1205.2	1224.3	1233.3	1248.7	1248.7	1248.7
47.5°	1304.8	1310.2	1314.7	1323.8	1332.8	1354.5	1373.5	1393.5	1407.9	1409.7	1407.0
50°	1441.4	1446.8	1460.4	1473.1	1493.0	1520.1	1540.9	1567.2	1579.9	1590.7	1587.1
52.5°	1592.5	1593.4	1609.7	1626.0	1655.0	1684.8	1718.3	1745.4	1768.1	1778.0	1769.9
55°	1758.1	1759.9	1774.4	1791.6	1824.2	1858.5	1900.2	1928.2	1957.2	1975.3	1961.7
57.5°	1937.3	1938.2	1952.6	1973.5	2012.4	2046.8	2086.6	2126.4	2153.5	2169.8	2160.8
60°	2135.4	2139.9	2150.8	2177.0	2214.1	2250.3	2290.2	2325.4	2357.1	2374.3	2365.3
62.5°	2347.2	2351.7	2367.1	2387.9	2420.5	2460.3	2498.3	2543.5	2569.7	2588.8	2575.2
65°	2489.2	2497.4	2521.8	2549.8	2597.8	2649.4	2693.7	2755.2	2786.9	2809.5	2796.9
67.5°	2498.3	2502.8	2532.7	2575.2	2639.4	2717.2	2807.7	2903.6	2966.1	2995.9	2974.2
69°	2436.7	2443.1	2472.0	2520.0	2591.5	2681.9	2789.6	2909.1	3005.0	3049.3	3028.5
70°	2367.1	2380.6	2412.3	2464.8	2534.5	2629.5	2740.8	2868.3	2980.5	3041.2	3025.8
72.5°	2220.5	2224.1	2244.9	2286.5	2339.9	2418.6	2523.6	2643.9	2750.7	2837.6	2850.3
75°	1970.7	1982.5	1997.9	2025.9	2053.1	2110.1	2180.7	2263.0	2325.4	2392.4	2395.1
77.5°	1489.4	1524.7	1536.4	1542.8	1554.5	1599.8	1661.3	1732.8	1784.3	1795.2	1793.4
80°	668.7	715.7	726.6	778.2	809.8	884.9	979.0	1088.5	1161.8	1170.0	1150.1
82.5°	131.2	140.3	163.8	204.5	278.7	323.0	384.6	461.5	532.0	572.8	548.3
85°	43.4	46.1	53.4	58.8	67.9	76.9	93.2	115.8	143.9	159.3	142.1
87.5°	17.2	17.2	19.9	21.7	23.5	23.5	23.5	21.7	20.8	17.2	15.4
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°	448.8	448.8	448.8	448.8	448.8	448.8	448.8	448.8
2.5°	451.5	451.5	451.5	451.5	451.5	451.5	451.5	451.5
5°	461.5	460.6	460.6	459.7	459.7	459.7	459.7	459.7
7.5°	475.0	474.1	473.2	474.1	473.2	473.2	473.2	473.2
10°	495.9	494.0	493.1	492.2	492.2	492.2	491.3	491.3
12.5°	520.3	520.3	519.4	518.5	516.7	517.6	516.7	514.9
15°	553.8	552.0	551.0	550.1	548.3	548.3	548.3	547.4
17.5°	587.2	585.4	585.4	582.7	581.8	581.8	581.8	582.7
20°	624.3	621.6	619.8	618.0	616.2	617.1	615.3	617.1
22.5°	661.4	657.8	656.0	653.3	650.6	650.6	649.7	647.9
25°	697.6	693.1	691.3	688.6	685.0	685.0	683.2	681.3
27.5°	732.0	727.5	725.7	720.3	716.6	715.7	713.9	713.0
30°	770.0	764.6	761.9	756.4	751.0	750.1	747.4	747.4
32.5°	809.8	804.4	802.6	794.5	789.9	789.9	788.1	786.3
35°	859.6	851.5	849.6	841.5	835.2	835.2	833.4	834.3
37.5°	918.4	912.1	905.7	899.4	892.2	891.3	889.5	887.6
40°	997.1	989.9	982.7	973.6	967.3	965.5	962.8	961.8
42.5°	1102.1	1094.9	1080.4	1073.1	1066.8	1061.4	1060.5	1059.6
45°	1236.0	1227.0	1217.0	1203.4	1195.3	1183.5	1181.7	1177.2
47.5°	1397.1	1379.9	1362.7	1350.9	1338.3	1324.7	1322.0	1314.7
50°	1568.1	1554.5	1525.6	1506.6	1486.7	1473.1	1464.0	1461.3
52.5°	1751.8	1726.4	1697.5	1672.1	1643.2	1625.1	1608.8	1604.3
55°	1943.6	1907.4	1871.2	1841.4	1812.4	1790.7	1775.3	1768.1
57.5°	2135.4	2095.6	2055.8	2023.2	1998.8	1970.7	1955.4	1951.7
60°	2335.4	2297.4	2256.7	2224.1	2194.2	2169.8	2160.8	2143.6
62.5°	2547.1	2507.3	2469.3	2437.6	2399.6	2382.4	2367.1	2357.1
65°	2755.2	2709.1	2661.1	2627.7	2589.7	2565.2	2546.2	2532.7
67.5°	2916.3	2846.6	2782.4	2726.3	2674.7	2636.7	2612.3	2599.6
69°	2961.5	2874.7	2792.3	2719.0	2658.4	2615.9	2588.8	2576.1
70°	2956.1	2860.2	2769.7	2689.2	2623.1	2577.9	2551.7	2528.1
72.5°	2788.7	2701.0	2600.5	2512.7	2453.0	2409.6	2383.4	2370.7
75°	2379.7	2320.9	2248.5	2180.7	2137.2	2111.9	2079.3	2080.2
77.5°	1732.8	1734.6	1685.7	1616.0	1567.2	1558.1	1543.7	1529.2
80°	1075.0	989.0	932.9	857.8	802.6	754.6	733.8	688.6
82.5°	495.9	387.3	300.4	227.1	174.6	136.6	119.4	97.7
85°	110.4	84.2	69.7	56.1	48.0	44.3	36.2	33.5
87.5°	15.4	13.6	12.7	11.8	10.0	7.2	5.4	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)