

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: P180232

Luminaire Tested: **ICS-F02-LED-E1-5XQ-7030**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180232
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: ICS-F02-LED-E1-5XQ-7030
Description: ICON SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4316.6 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 55
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

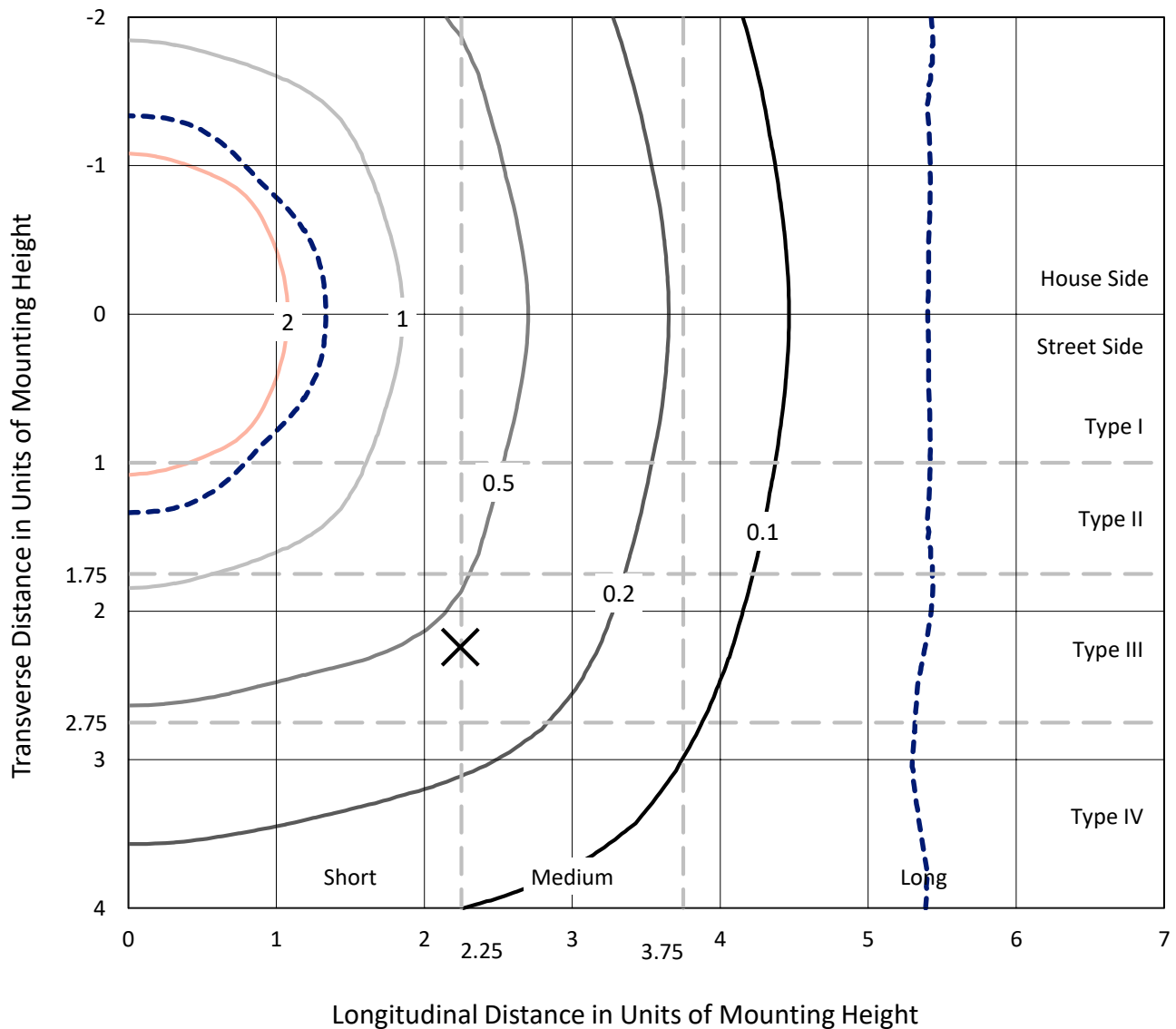


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

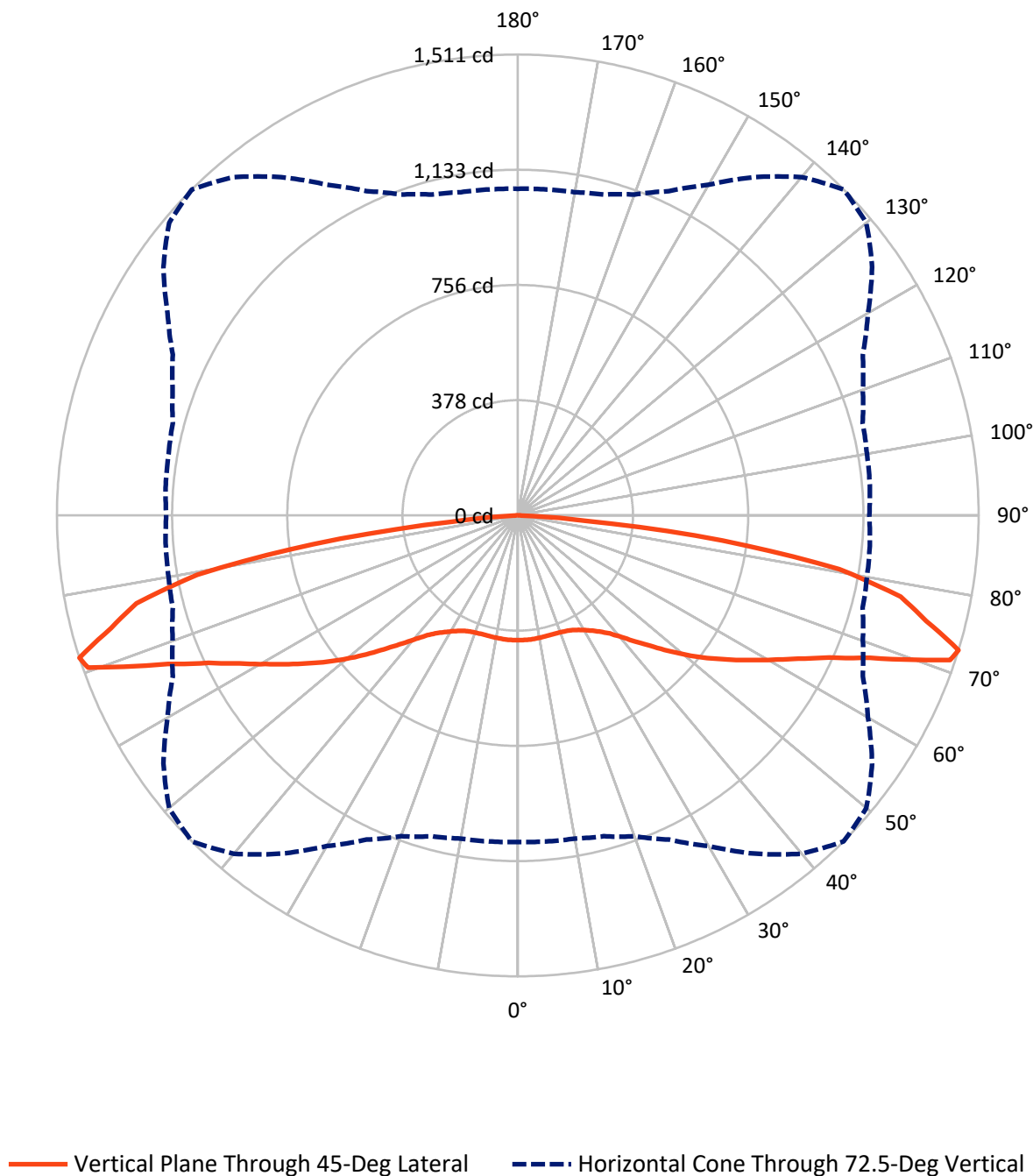


Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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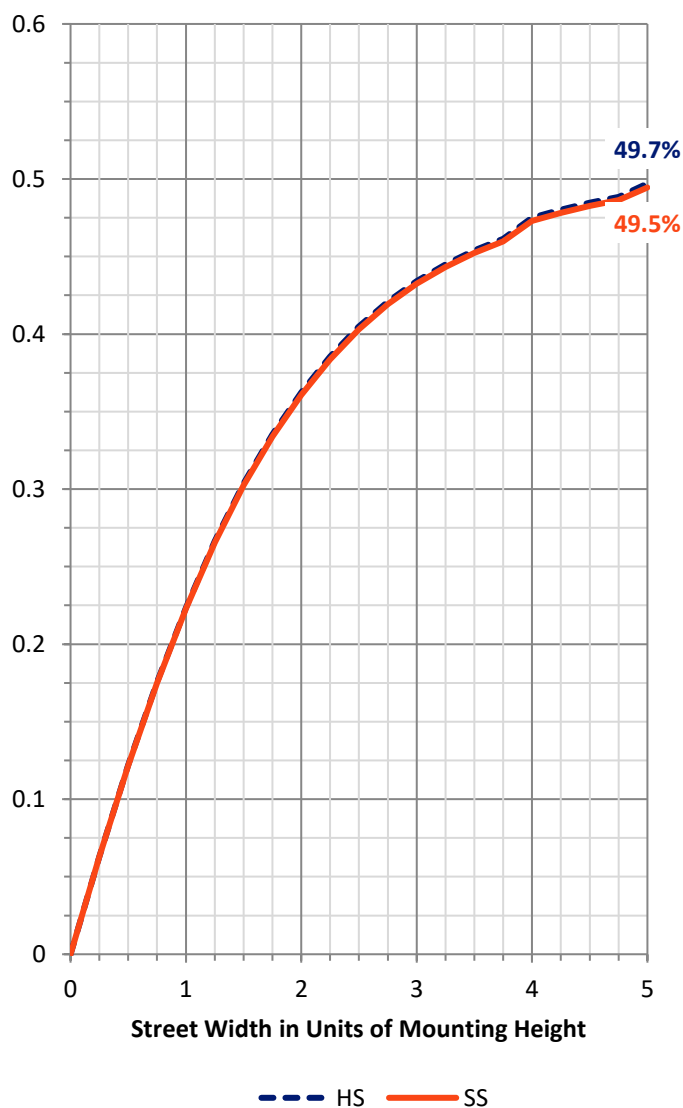
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2158.3	0.0	2158.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2158.3	0.0	2158.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	4316.6	0.0	4316.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.0	0.9
10°-20°	115.3	2.7
20°-30°	193.1	4.5
30°-40°	294.3	6.8
40°-50°	470.0	10.9
50°-60°	722.7	16.7
60°-70°	1052.2	24.4
70°-80°	1185.3	27.5
80°-90°	244.7	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°	4316.6	100.0
0°-180°	4316.6	100.0

Coefficient of Utilization



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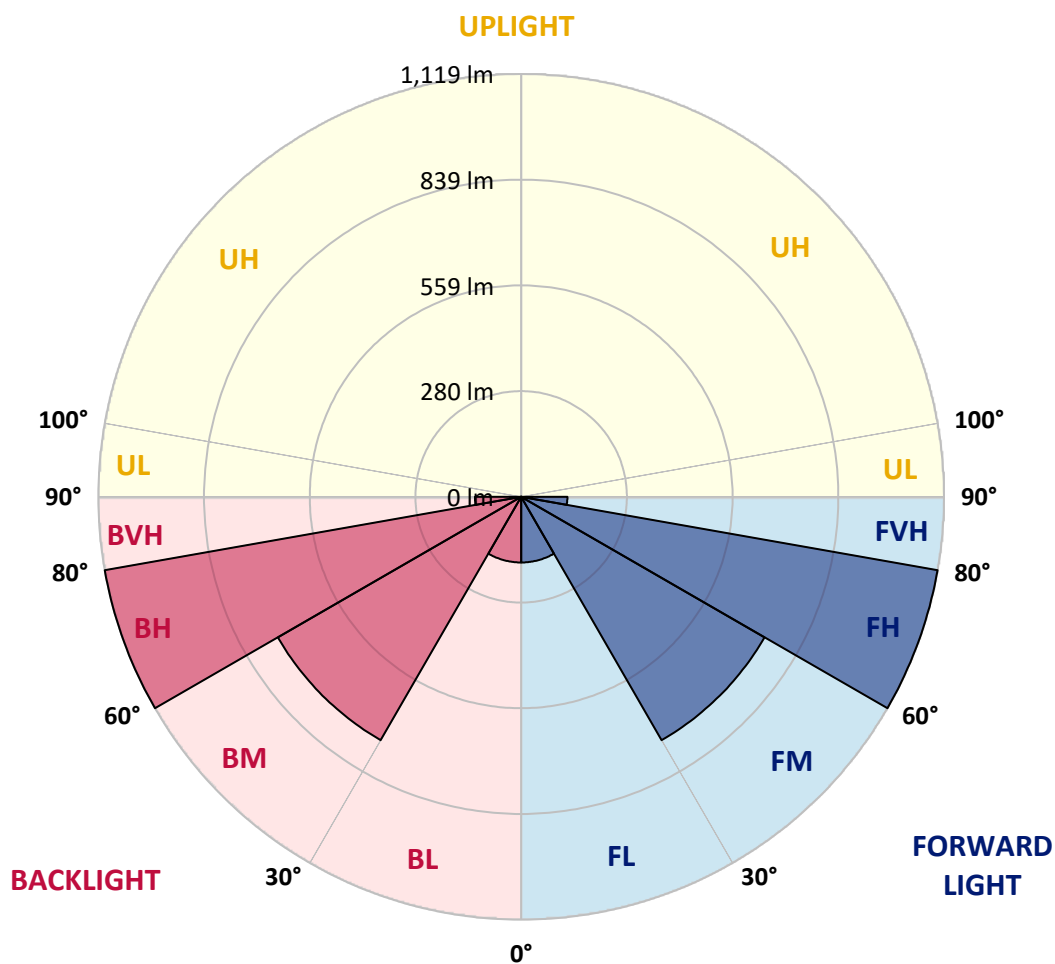
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	173.7	4.0			
FM	(30°-60°)	743.5	17.2			
FH	(60°-80°)	1118.8	25.9			G1/1800
FVH	(80°-90°)	122.3	2.8			G2/225
BL	(0°-30°)	173.7	4.0	B1/500		
BM	(30°-60°)	743.5	17.2	B1/1000		
BH	(60°-80°)	1118.8	25.9	B3/2500		G1/1800
BVH	(80°-90°)	122.3	2.8			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°	409.0	409.0	409.0	409.0	409.0	409.0	409.0	409.0	409.0	409.0	409.0
2.5°	409.7	409.9	409.8	409.6	409.7	409.6	409.3	409.2	408.4	408.9	409.6
5°	409.6	409.4	409.3	409.2	409.2	409.5	409.2	408.9	408.8	409.0	408.7
7.5°	409.5	409.0	408.8	408.7	408.8	408.9	408.5	408.1	408.4	408.1	407.6
10°	408.8	408.4	408.5	408.1	408.2	408.1	407.6	407.3	407.5	407.2	406.6
12.5°	409.0	408.4	408.3	408.1	408.0	407.9	407.3	406.7	406.8	406.6	406.0
15°	409.0	408.6	408.6	408.1	408.0	407.8	407.1	406.8	406.8	406.5	405.8
17.5°	409.2	409.0	409.0	408.4	408.2	408.1	407.3	407.0	407.3	406.6	406.2
20°	409.9	409.7	409.8	409.5	409.0	409.0	408.4	408.2	408.3	408.2	407.0
22.5°	411.2	411.2	411.5	411.4	411.2	411.4	410.9	410.9	411.0	411.0	410.0
25°	415.0	415.0	415.2	415.2	415.3	416.1	415.8	415.6	416.2	416.2	415.2
27.5°	422.3	422.1	422.4	422.6	423.2	424.2	423.9	424.3	425.2	425.0	424.0
30°	430.8	430.5	431.0	431.8	432.2	433.7	433.1	434.8	435.6	436.2	435.6
32.5°	443.0	442.9	443.9	444.4	445.4	447.0	447.2	448.6	449.6	450.7	449.9
35°	459.2	459.0	459.8	460.6	461.8	463.3	463.8	465.6	467.2	468.0	466.6
37.5°	484.1	482.8	484.3	484.8	485.8	486.2	487.7	490.0	491.6	491.4	490.4
40°	517.8	517.6	517.0	516.3	517.9	518.5	518.5	521.6	524.2	523.8	523.7
42.5°	557.2	556.1	555.5	555.5	556.3	556.6	560.1	562.4	564.3	564.8	564.3
45°	599.4	598.4	598.7	598.2	598.6	600.0	602.1	606.2	609.9	610.0	608.0
47.5°	644.9	641.8	644.2	640.8	642.9	644.0	649.1	655.2	661.6	662.7	661.0
50°	691.0	690.7	690.5	689.8	690.9	693.3	699.6	709.2	715.3	719.4	716.6
52.5°	741.5	739.8	739.0	737.9	738.9	743.8	752.5	760.9	771.8	776.5	772.7
55°	790.6	790.0	787.1	787.0	789.1	796.7	806.2	816.5	828.4	833.6	832.2
57.5°	841.0	837.8	836.9	835.5	839.8	847.0	858.6	877.1	889.5	895.3	891.9
60°	890.4	887.9	886.0	885.5	888.4	898.4	915.1	937.4	952.6	960.4	955.0
62.5°	943.3	941.7	939.4	936.8	943.1	955.9	976.6	1001.3	1023.8	1033.3	1025.1
65°	1009.1	1005.8	1003.4	1000.1	1005.2	1021.2	1047.4	1082.1	1112.3	1123.4	1117.5
67.5°	1078.6	1075.5	1075.8	1073.7	1082.8	1105.0	1138.8	1185.9	1226.4	1245.3	1234.2
70°	1139.2	1140.9	1141.4	1149.6	1165.2	1199.2	1255.2	1329.1	1390.5	1419.4	1407.4
71°	1121.3	1125.0	1130.8	1139.4	1166.4	1206.5	1283.1	1372.5	1445.8	1494.7	1478.3
72.5°	1070.6	1072.9	1075.8	1089.0	1119.4	1172.6	1251.4	1353.7	1447.8	1511.1	1492.1
75°	997.4	999.5	1000.5	1009.7	1037.4	1083.8	1156.0	1246.6	1329.8	1383.6	1378.3
77.5°	886.8	887.1	895.0	909.2	940.2	993.3	1069.3	1163.4	1241.6	1283.4	1256.8
80°	636.8	632.5	640.6	658.8	697.3	758.2	836.0	943.4	1030.1	1069.3	1028.1
82.5°	242.3	255.4	276.1	306.2	319.2	386.8	459.4	522.6	595.6	677.3	656.8
85°	26.0	29.3	36.8	45.6	57.6	79.6	110.0	150.2	185.2	217.6	193.2
87.5°	9.8	10.0	11.1	12.8	13.0	13.6	14.5	16.9	15.7	13.6	11.0
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°	409.0	409.0	409.0	409.0	409.0	409.0	409.0	409.0
2.5°	409.0	409.1	409.0	409.1	409.1	408.6	408.7	408.5
5°	408.9	408.5	408.7	408.8	408.7	408.9	408.5	408.8
7.5°	408.3	407.6	407.8	407.8	407.6	408.0	407.7	407.6
10°	407.2	406.3	406.7	406.5	406.4	406.5	406.5	406.5
12.5°	406.2	405.6	405.7	405.6	405.5	405.8	405.7	405.8
15°	405.9	405.0	404.9	404.7	404.8	405.0	405.0	405.4
17.5°	405.7	404.6	404.5	404.2	404.4	404.8	404.9	404.7
20°	406.4	405.5	405.3	405.0	404.9	405.5	405.4	405.4
22.5°	409.5	408.4	408.3	407.4	407.1	407.4	407.2	407.2
25°	414.6	413.3	412.8	411.6	410.7	410.7	410.4	410.1
27.5°	423.8	421.8	421.3	420.3	419.0	419.3	418.6	418.5
30°	434.4	432.6	431.1	429.6	428.1	427.6	426.7	426.6
32.5°	448.3	446.3	444.4	442.6	440.5	439.8	438.4	437.7
35°	465.4	462.7	460.4	459.2	457.2	456.2	455.3	456.2
37.5°	489.3	486.0	484.9	483.4	482.1	480.5	480.8	480.5
40°	522.3	519.4	518.2	515.6	515.3	513.5	514.7	513.5
42.5°	563.2	557.7	556.9	554.9	554.2	553.2	553.6	552.8
45°	607.6	602.7	601.8	598.6	598.6	596.3	597.2	597.2
47.5°	657.6	652.5	648.3	646.0	645.0	643.6	644.3	644.2
50°	709.2	702.3	697.6	693.0	691.0	691.5	689.9	692.7
52.5°	764.6	754.3	747.7	743.4	739.5	740.3	740.5	741.3
55°	822.0	808.8	799.3	793.5	790.0	790.3	791.3	792.2
57.5°	879.6	863.2	850.3	841.7	839.5	840.5	840.5	840.4
60°	939.4	919.8	903.2	893.4	891.4	890.8	895.2	893.8
62.5°	1003.7	980.1	962.9	950.4	947.5	949.5	953.5	952.6
65°	1088.9	1056.2	1034.0	1021.7	1016.7	1018.8	1024.0	1023.8
67.5°	1198.7	1153.0	1123.7	1107.8	1104.2	1106.7	1109.7	1112.5
70°	1362.9	1297.6	1255.8	1221.6	1206.8	1204.0	1207.0	1207.0
71°	1420.7	1345.7	1279.1	1237.3	1213.2	1203.0	1203.8	1198.6
72.5°	1418.4	1325.9	1248.0	1204.2	1170.8	1162.6	1158.6	1152.6
75°	1322.8	1239.5	1171.9	1124.2	1091.9	1082.3	1075.3	1074.9
77.5°	1199.6	1138.2	1063.6	1013.1	973.8	957.9	950.8	950.5
80°	964.3	872.4	817.8	787.4	740.0	726.4	711.9	706.4
82.5°	583.2	455.7	370.5	329.2	306.4	252.3	226.4	214.2
85°	135.9	96.5	66.5	43.7	31.4	25.0	19.2	17.0
87.5°	9.1	7.2	6.4	5.2	4.0	3.8	2.4	2.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)