

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: P180032

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

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P180032
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-F02-LED-E1-5MQ-7030
Description: ICON SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4375.5 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

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

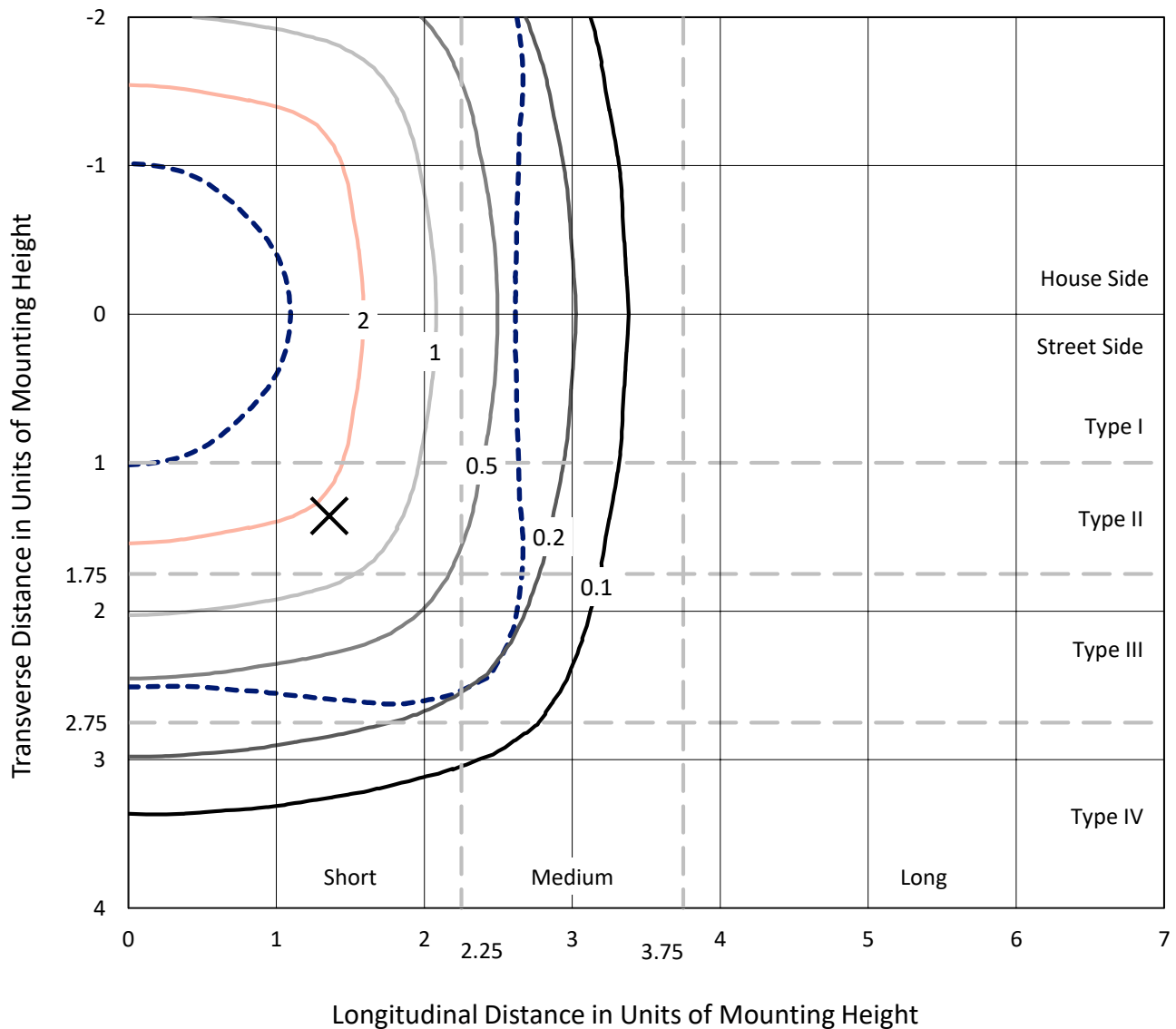


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

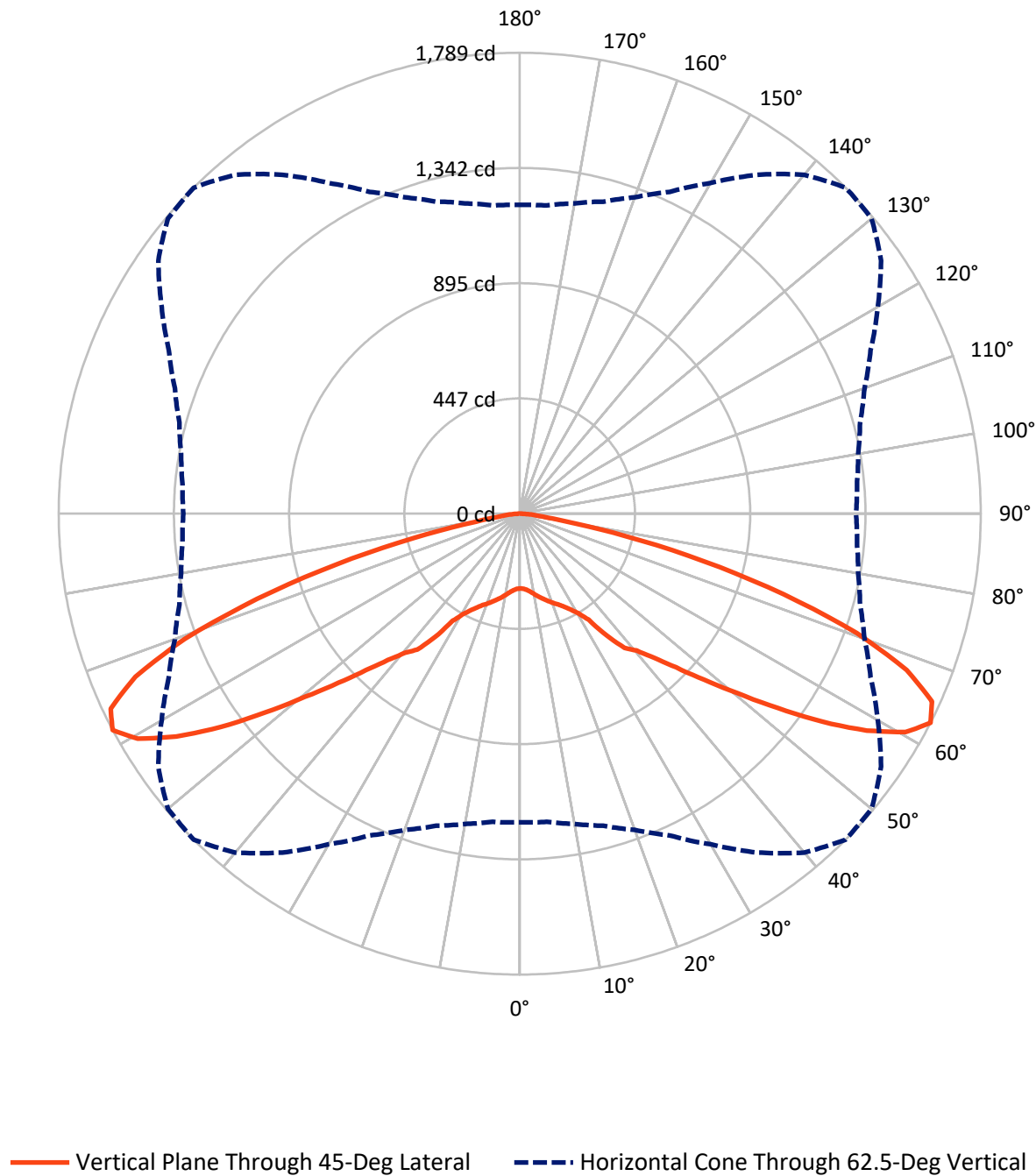


Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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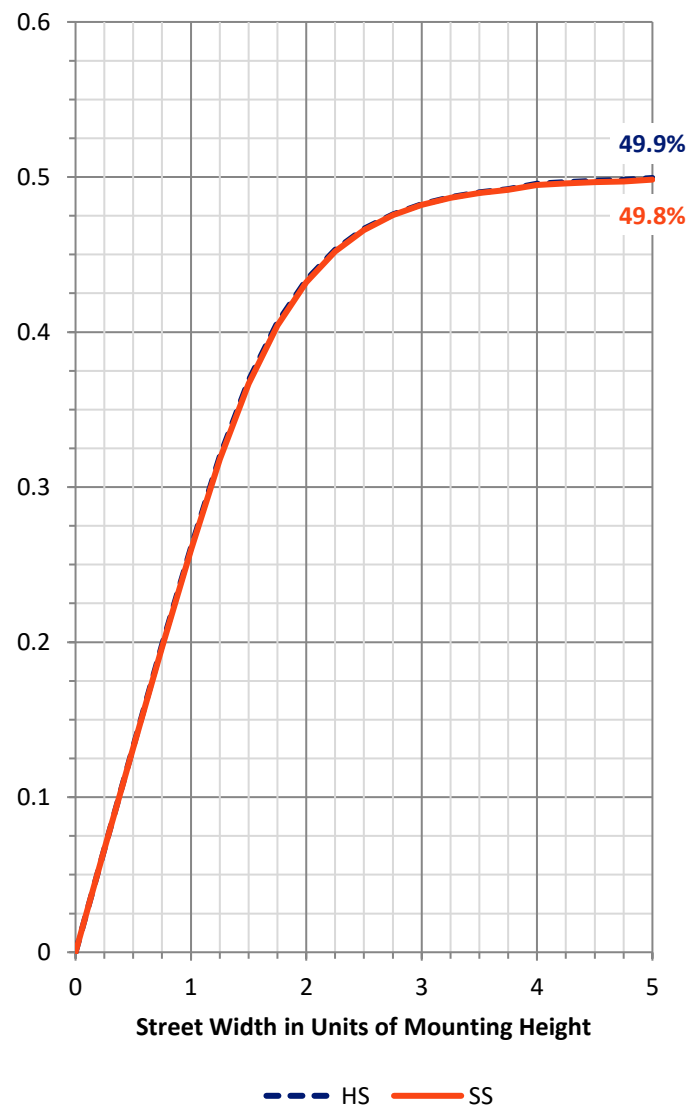
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2187.7	0.0	2187.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2187.7	0.0	2187.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	4375.5	0.0	4375.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.1	0.7
10°-20°	98.4	2.2
20°-30°	190.2	4.3
30°-40°	368.3	8.4
40°-50°	665.1	15.2
50°-60°	1156.5	26.4
60°-70°	1312.9	30.0
70°-80°	509.0	11.6
80°-90°	45.9	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°	4375.5	100.0
0°-180°	4375.5	100.0

Coefficient of Utilization



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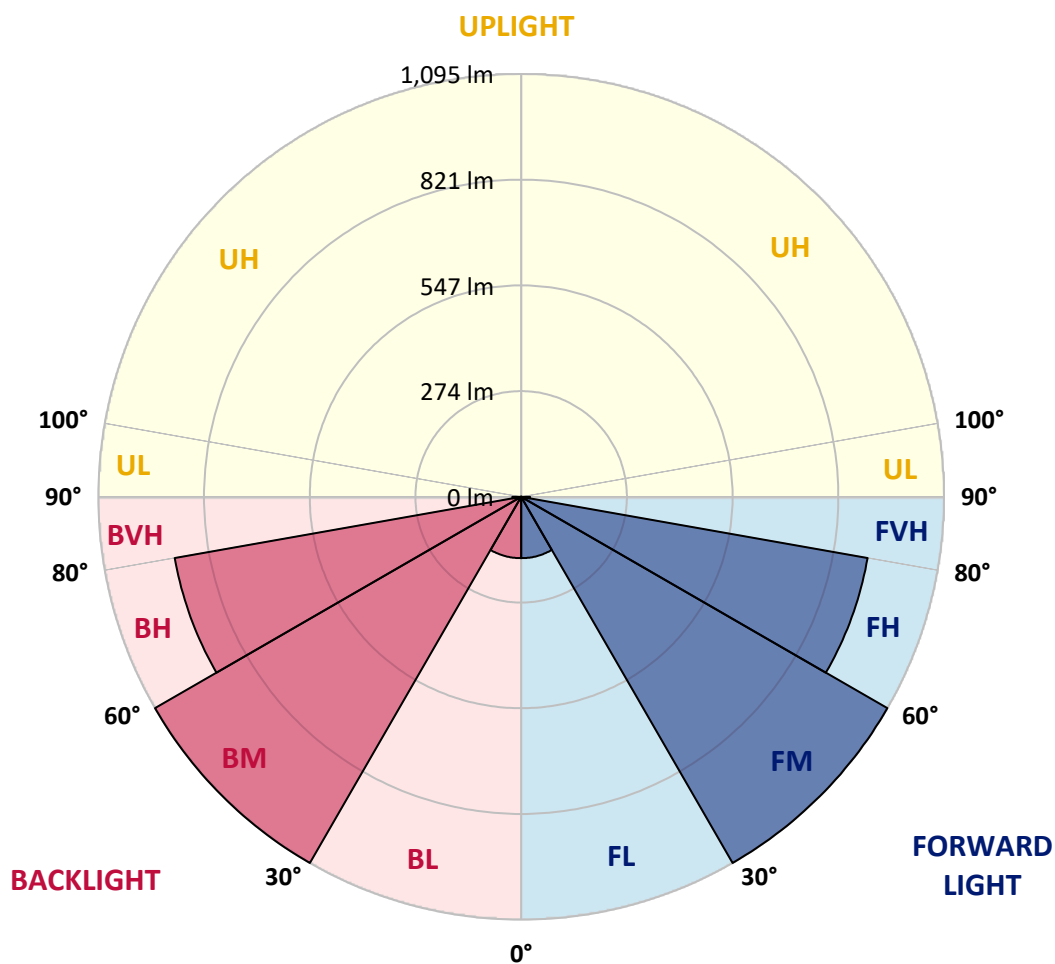
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	158.9	3.6			
FM	(30°-60°)	1095.0	25.0			
FH	(60°-80°)	911.0	20.8			G1/1800
FVH	(80°-90°)	23.0	0.5			G1/100
BL	(0°-30°)	158.9	3.6	B1/500		
BM	(30°-60°)	1095.0	25.0	B2/2500		
BH	(60°-80°)	911.0	20.8	B2/1000		G1/1800
BVH	(80°-90°)	23.0	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	290.5	290.5	290.5	290.5	290.5	290.5	290.5	290.5	290.5	290.5	290.5
2.5°	292.2	293.2	293.0	292.5	292.5	292.5	292.3	291.6	291.4	291.8	292.2
5°	299.0	299.0	299.0	299.0	298.6	298.6	298.2	297.7	297.9	297.5	297.2
7.5°	309.5	308.8	308.8	308.6	308.6	308.1	307.4	306.5	306.8	306.5	306.3
10°	321.6	321.9	321.2	321.8	320.8	320.5	319.6	319.2	319.0	318.3	318.2
12.5°	336.4	335.7	335.7	335.2	334.8	334.4	333.0	332.8	331.8	331.4	330.7
15°	350.2	349.9	349.0	348.1	347.9	347.5	345.8	345.0	344.8	343.6	342.8
17.5°	364.0	363.6	362.4	362.0	361.0	360.4	359.0	357.6	357.0	356.5	355.4
20°	378.7	378.2	377.1	376.2	375.0	374.2	372.2	371.0	370.3	369.7	368.7
22.5°	397.0	396.1	394.3	392.7	390.2	389.3	386.6	385.0	383.9	383.0	382.5
25°	416.9	417.2	414.6	412.6	409.6	407.2	403.8	402.0	400.8	400.0	399.7
27.5°	441.8	442.0	439.8	436.8	432.3	429.6	425.0	422.8	422.1	421.2	421.0
30°	481.2	479.1	475.3	470.5	466.4	460.6	454.0	451.8	449.5	448.8	448.8
32.5°	553.6	552.4	549.2	537.4	532.0	519.8	508.3	501.7	494.2	490.6	488.4
35°	604.2	603.8	601.2	597.2	593.8	591.3	584.5	583.3	582.0	582.0	583.8
37.5°	641.6	638.8	638.4	639.0	638.2	638.6	644.0	651.4	657.8	661.0	660.5
40°	696.8	692.8	695.2	693.6	691.6	691.0	692.8	695.8	698.8	698.8	698.0
42.5°	768.9	770.7	771.6	765.0	760.8	759.6	764.0	763.0	765.9	764.8	761.8
45°	876.1	875.0	873.4	865.4	858.7	853.2	854.4	852.8	853.0	851.2	849.0
47.5°	984.2	988.1	981.5	977.7	970.0	966.2	969.4	966.6	971.8	962.3	957.8
50°	1089.2	1091.9	1089.6	1084.2	1084.2	1089.6	1093.5	1098.4	1105.7	1094.8	1078.6
52.5°	1175.2	1177.4	1180.8	1185.4	1196.4	1208.0	1224.2	1241.7	1255.5	1253.4	1234.8
55°	1227.6	1230.4	1236.0	1251.6	1271.6	1301.8	1338.8	1379.2	1410.9	1426.2	1412.7
57.5°	1245.2	1247.3	1262.7	1281.5	1312.5	1357.5	1419.2	1489.1	1550.0	1588.6	1582.6
60°	1241.2	1241.2	1256.8	1282.6	1326.0	1385.8	1473.0	1569.9	1663.1	1721.0	1712.4
62.5°	1198.4	1200.8	1223.2	1254.1	1306.6	1378.1	1482.2	1605.8	1717.4	1789.4	1782.3
65°	1104.8	1106.4	1130.6	1167.5	1226.0	1310.7	1424.4	1561.5	1689.4	1758.6	1745.4
67.5°	953.5	955.0	974.8	1016.4	1078.4	1166.8	1289.6	1440.6	1565.6	1620.4	1581.0
70°	758.4	763.0	775.7	819.8	866.8	953.5	1066.6	1217.4	1335.6	1387.4	1343.9
72.5°	516.9	528.4	543.8	583.0	627.9	699.9	790.0	917.0	1011.8	1071.8	1033.1
75°	291.1	307.4	312.2	341.8	378.9	435.6	501.5	592.6	688.4	737.0	690.4
77.5°	125.8	139.2	145.0	158.8	187.8	211.6	251.6	313.1	387.1	421.2	365.3
80°	62.0	65.2	67.6	72.0	80.1	87.8	106.8	133.7	164.0	171.7	136.6
82.5°	48.0	50.2	54.6	57.9	60.0	62.0	63.8	67.4	70.4	72.0	67.8
85°	33.7	36.6	41.4	45.2	47.5	49.1	50.7	51.8	49.1	44.8	47.0
87.5°	8.8	11.5	16.0	17.4	19.7	20.8	20.4	21.0	19.0	13.8	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°	290.5	290.5	290.5	290.5	290.5	290.5	290.5	290.5
2.5°	292.0	291.8	292.0	292.0	292.0	291.8	291.8	291.8
5°	297.2	297.2	297.4	297.0	297.0	297.2	297.0	296.8
7.5°	306.1	305.8	305.8	305.6	305.8	305.6	305.6	305.4
10°	317.8	317.4	317.6	316.9	316.9	316.7	316.7	316.7
12.5°	330.5	329.8	330.0	329.4	328.2	328.4	328.6	328.5
15°	342.7	342.0	341.4	340.9	340.2	340.4	340.4	340.2
17.5°	355.2	353.8	353.6	352.8	352.7	352.6	352.7	352.9
20°	368.0	367.2	367.0	366.2	366.0	366.7	366.9	366.5
22.5°	381.8	381.4	381.8	381.4	382.0	382.5	382.8	382.3
25°	399.2	398.8	399.5	401.0	402.0	402.4	403.5	403.1
27.5°	421.6	421.2	422.8	425.0	426.4	428.7	429.8	430.3
30°	450.6	452.6	453.6	458.1	459.0	462.6	462.6	464.2
32.5°	492.7	496.6	503.3	510.4	520.1	527.1	527.0	530.7
35°	585.0	586.6	591.8	592.9	595.0	597.2	595.0	596.7
37.5°	655.8	648.8	643.8	636.8	632.4	632.4	632.9	632.5
40°	692.0	689.2	687.0	681.1	680.2	680.0	680.0	680.9
42.5°	756.7	750.1	746.5	741.5	739.9	739.5	739.2	739.7
45°	840.8	830.2	820.4	815.5	811.2	807.1	808.4	808.5
47.5°	938.8	922.3	906.4	897.8	890.4	887.0	884.7	884.0
50°	1057.9	1034.9	1014.6	998.5	987.6	987.4	988.6	981.3
52.5°	1204.1	1167.7	1142.4	1120.6	1110.4	1109.4	1105.7	1101.6
55°	1366.0	1322.9	1281.0	1257.7	1244.4	1237.2	1232.8	1226.1
57.5°	1533.0	1474.9	1414.8	1377.4	1353.9	1337.6	1329.0	1325.1
60°	1661.7	1582.4	1503.0	1443.0	1403.9	1379.7	1364.7	1358.6
62.5°	1712.4	1604.8	1502.9	1424.2	1367.6	1334.2	1314.0	1305.2
65°	1652.0	1524.4	1408.6	1321.8	1258.6	1221.4	1199.4	1189.9
67.5°	1483.2	1370.6	1244.6	1158.2	1093.2	1056.4	1032.6	1025.6
70°	1243.5	1128.3	1008.0	930.8	873.0	842.9	818.2	815.3
72.5°	934.5	835.2	732.0	668.2	621.6	571.9	559.2	565.5
75°	599.0	506.0	414.2	356.7	314.2	266.7	248.4	252.9
77.5°	283.7	219.7	158.6	122.6	102.9	88.0	84.2	81.9
80°	105.2	85.2	75.3	71.4	68.8	66.3	64.5	62.4
82.5°	68.1	66.6	64.5	63.8	61.8	58.6	52.7	50.2
85°	50.9	50.9	48.2	48.4	46.8	42.8	37.3	34.4
87.5°	15.0	13.3	12.2	11.3	11.0	10.0	7.2	6.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)