

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: LUMIERE

Report Number: P394778

Luminaire Tested: **303-B2-LEDB4-2700-UNV-T5X-DIM10**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394778  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (Compare Roadway Adding Tool)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/9/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 303-B2-LEDB4-2700-UNV-T5X-DIM10  
Description: LUMIERE EON LED LUMINAIRE  
BOLLARD, DUAL HEAD, FOUR LIGHTBAR, TYPE 5  
Light Source: 2700K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2241 lumens  
Efficiency: N/A  
Efficacy: 73.2 lumens/watt  
Luminous Opening: Rectangular (W 0.38' x L: 1.06' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B1 - U0 - G0

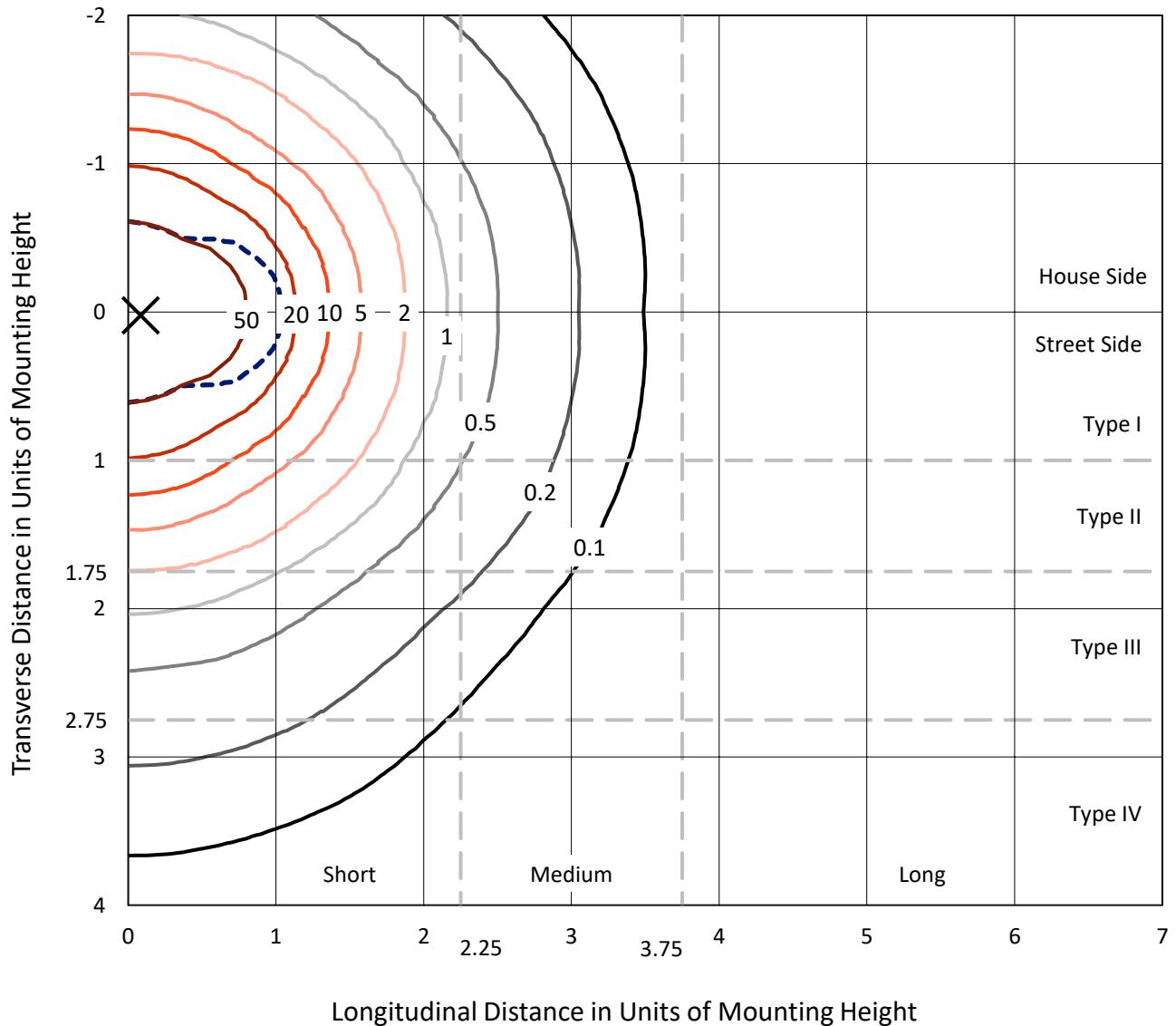
Input Watts (W): 30.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

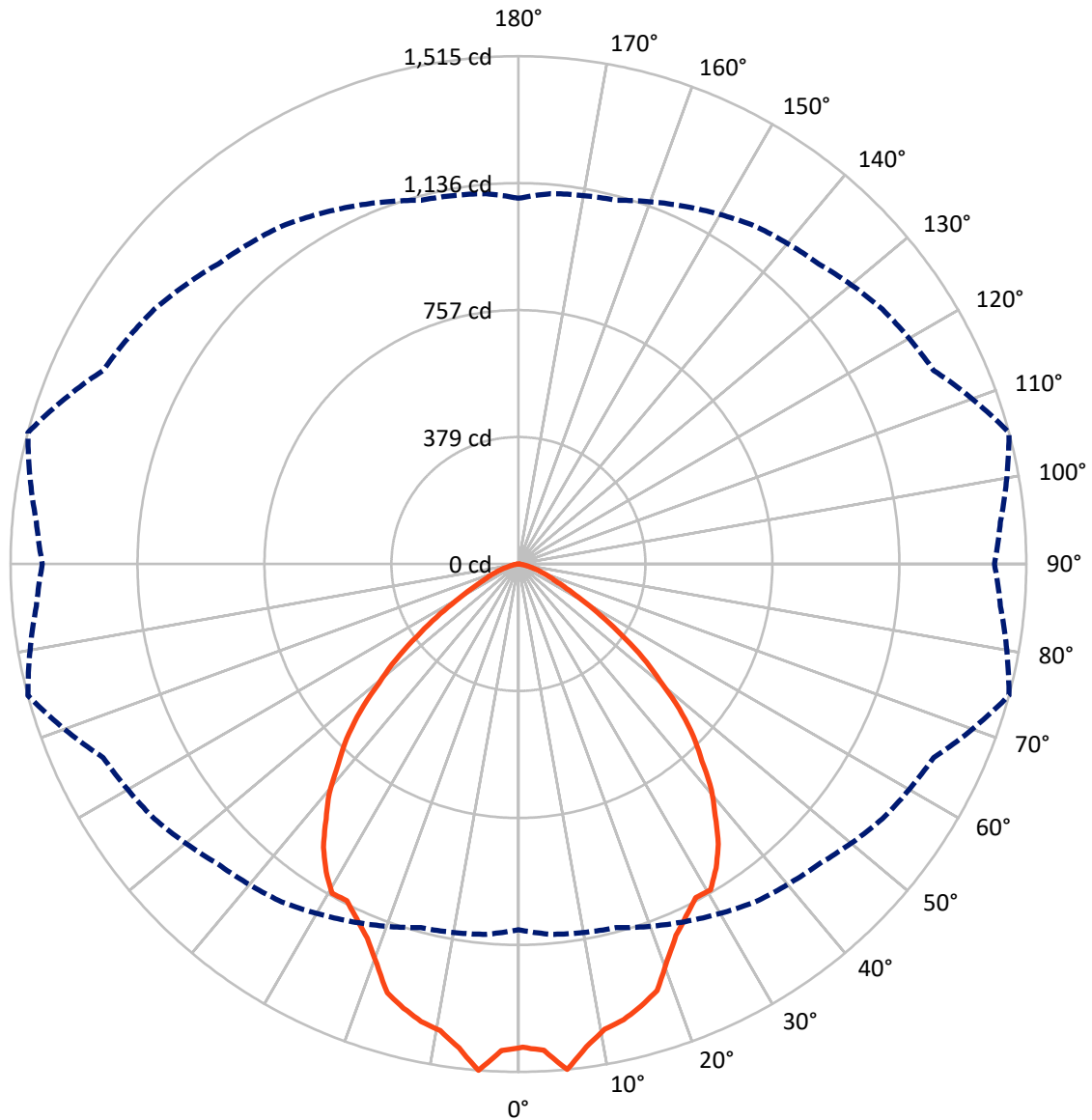
× Max cd  
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 160.2 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 5-Deg Vertical

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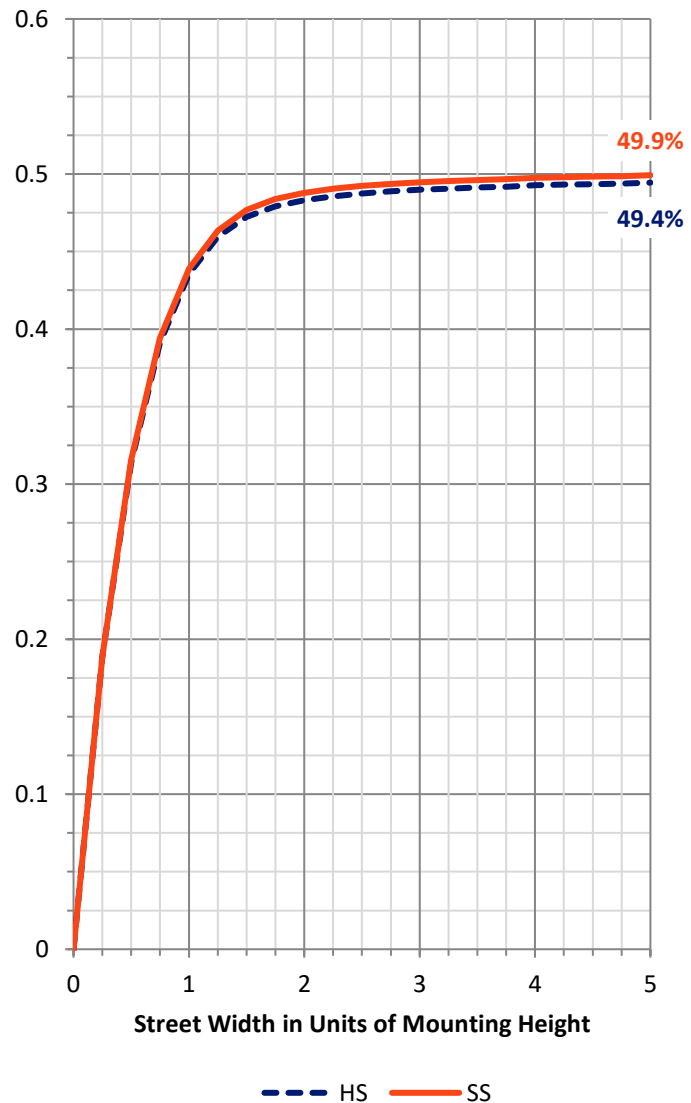
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1120.5	0.0	1120.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1120.5	0.0	1120.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2241.0	0.0	2241.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.3	5.2
10°-20°	303.4	13.5
20°-30°	440.8	19.7
30°-40°	497.3	22.2
40°-50°	437.7	19.5
50°-60°	272.1	12.1
60°-70°	109.9	4.9
70°-80°	45.1	2.0
80°-90°	17.4	0.8
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°	2241.0	100.0
0°-180°	2241.0	100.0



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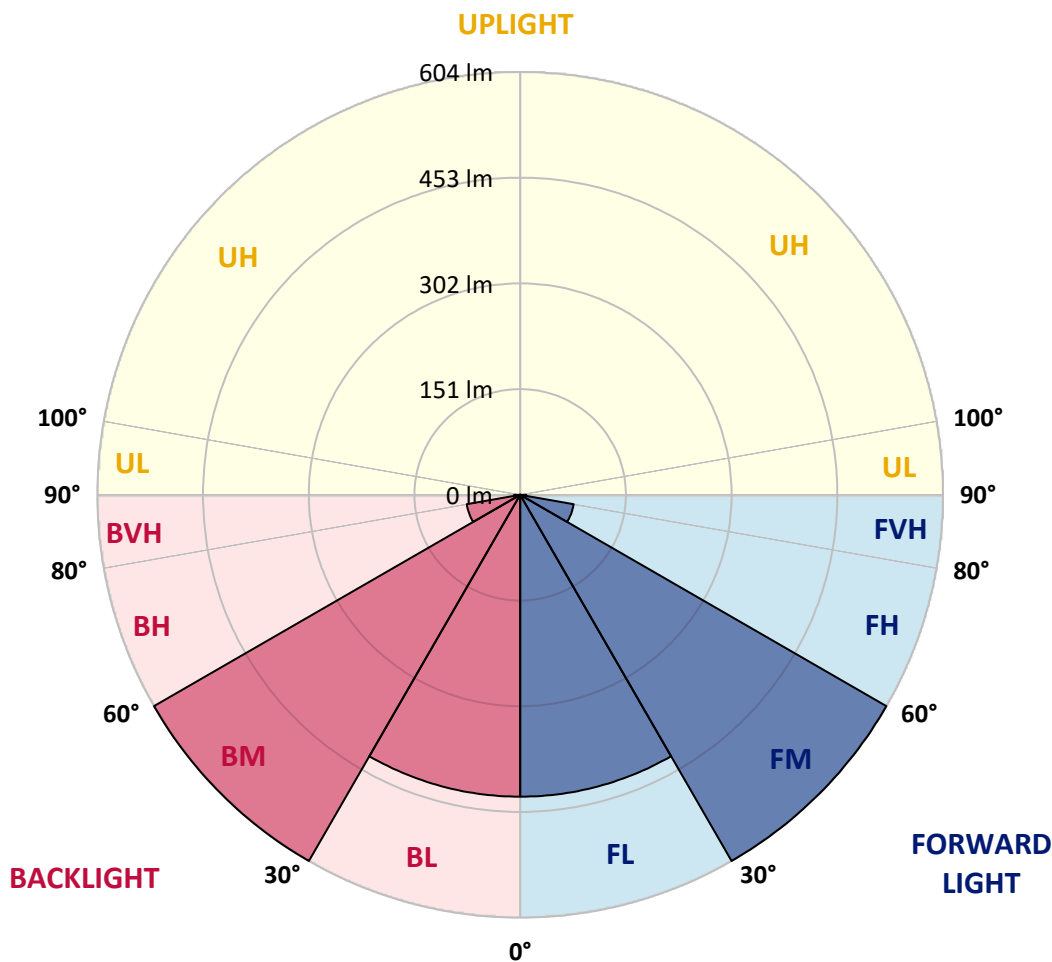
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	430.8	19.2			
FM	(30°-60°)	603.5	26.9			
FH	(60°-80°)	77.5	3.5			G0/660
FVH	(80°-90°)	8.7	0.4			G0/10
BL	(0°-30°)	430.8	19.2	B1/500		
BM	(30°-60°)	603.5	26.9	B1/1000		
BH	(60°-80°)	77.5	3.5	B0/110		G0/110
BVH	(80°-90°)	8.7	0.4			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1441.4	1441.4	1441.4	1441.4	1441.4	1441.4	1441.4	1441.4	1441.4	1441.4	1441.4
2.5°	1405.6	1387.7	1377.9	1368.1	1369.9	1371.6	1361.8	1352.0	1356.4	1360.9	1416.4
5°	1090.9	1108.8	1115.9	1123.1	1149.9	1176.7	1203.5	1230.4	1248.2	1266.1	1295.6
7.5°	953.2	937.1	943.3	949.6	950.5	951.4	955.0	958.5	1026.5	1094.5	1201.8
10°	1053.3	1042.6	1051.5	1060.5	1050.6	1040.8	1010.4	980.0	978.2	976.4	1046.2
12.5°	924.6	917.4	929.9	942.4	969.3	996.1	998.8	1001.5	1031.9	1062.3	1084.6
15°	883.4	879.9	881.6	883.4	876.3	869.1	889.7	910.3	977.3	1044.4	1100.7
17.5°	872.7	872.7	863.8	854.8	851.2	847.7	850.3	853.0	904.9	956.8	1047.1
20°	879.9	869.1	863.8	858.4	860.2	862.0	844.1	826.2	875.4	924.6	1013.1
22.5°	833.4	824.4	835.1	845.9	845.0	844.1	843.2	842.3	866.4	890.6	959.4
25°	808.3	804.7	802.1	799.4	800.3	801.2	806.5	811.9	849.5	887.0	943.3
27.5°	776.1	769.0	769.9	770.8	770.8	770.8	783.3	795.8	823.5	851.2	903.1
30°	743.9	745.7	744.8	743.9	743.0	742.2	739.5	736.8	769.9	803.0	870.0
32.5°	704.6	693.9	700.1	706.4	701.0	695.7	697.4	699.2	730.5	761.8	825.3
35°	668.8	663.5	665.3	667.0	666.1	665.3	661.7	658.1	687.6	717.1	773.4
37.5°	631.3	620.5	625.0	629.5	631.3	633.1	621.4	609.8	639.3	668.8	725.2
40°	583.0	586.6	582.1	577.6	578.5	579.4	571.4	563.3	576.7	590.1	654.5
42.5°	543.6	531.1	527.6	524.0	525.8	527.6	522.2	516.8	543.6	570.5	617.9
45°	488.2	482.8	482.8	482.8	478.4	473.9	468.5	463.2	489.1	515.0	548.1
47.5°	432.8	431.0	425.6	420.3	420.3	420.3	419.4	418.5	439.0	459.6	493.6
50°	382.7	380.9	378.2	375.5	376.4	377.3	366.6	355.9	374.7	393.4	424.7
52.5°	323.7	320.1	320.1	320.1	315.6	311.2	311.2	311.2	324.6	338.0	361.2
55°	262.9	264.7	263.8	262.9	259.3	255.7	254.8	253.9	264.7	275.4	294.2
57.5°	214.6	221.8	216.4	211.0	208.3	205.7	204.8	203.9	211.9	220.0	237.0
60°	146.6	146.6	147.5	148.4	154.7	160.9	164.5	168.1	169.9	171.7	181.5
62.5°	116.2	116.2	116.2	116.2	114.5	112.7	118.0	123.4	127.0	130.5	138.6
65°	94.8	94.8	93.9	93.0	92.1	91.2	90.3	89.4	94.8	100.1	105.5
67.5°	80.5	78.7	79.6	80.5	78.7	76.9	75.1	73.3	74.2	75.1	79.6
70°	68.0	68.0	67.1	66.2	64.4	62.6	60.8	59.0	58.1	57.2	60.8
72.5°	57.2	57.2	56.3	55.4	54.5	53.6	51.0	48.3	47.4	46.5	47.4
75°	48.3	48.3	47.4	46.5	45.6	44.7	42.9	41.1	39.3	37.6	36.7
77.5°	42.9	41.1	41.1	41.1	39.3	37.6	35.8	34.0	32.2	30.4	28.6
80°	35.8	35.8	35.8	35.8	34.0	32.2	30.4	28.6	26.8	25.0	23.2
82.5°	32.2	30.4	30.4	30.4	29.5	28.6	26.8	25.0	23.2	21.5	18.8
85°	28.6	28.6	27.7	26.8	25.9	25.0	24.1	23.2	20.6	17.9	16.1
87.5°	26.8	26.8	25.9	25.0	24.1	23.2	22.4	21.5	19.7	17.9	15.2
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°	1441.4	1441.4	1441.4	1441.4	1441.4	1441.4	1441.4	1441.4
2.5°	1471.8	1491.5	1511.1	1481.6	1452.1	1444.1	1436.0	1437.8
5°	1325.1	1345.7	1366.3	1440.5	1514.7	1478.9	1443.2	1419.9
7.5°	1309.1	1329.6	1350.2	1402.0	1453.9	1444.1	1434.2	1409.2
10°	1115.9	1229.5	1343.0	1377.0	1411.0	1402.9	1394.9	1398.5
12.5°	1107.0	1165.1	1223.2	1309.1	1394.9	1385.9	1377.0	1377.0
15°	1157.0	1149.9	1142.7	1255.4	1368.1	1371.6	1375.2	1373.4
17.5°	1137.4	1137.4	1137.4	1237.5	1337.7	1345.7	1353.8	1337.7
20°	1101.6	1140.1	1178.5	1221.4	1264.3	1287.6	1310.8	1305.5
22.5°	1028.3	1086.4	1144.5	1174.0	1203.5	1247.4	1291.2	1291.2
25°	999.7	1057.8	1115.9	1139.2	1162.4	1195.5	1228.6	1255.4
27.5°	955.0	1006.8	1058.7	1092.7	1126.6	1160.6	1194.6	1198.2
30°	937.1	975.5	1014.0	1071.2	1128.4	1139.2	1149.9	1151.7
32.5°	888.8	932.6	976.4	1029.2	1081.9	1097.1	1112.3	1098.0
35°	829.8	870.0	910.3	968.4	1026.5	1036.3	1046.2	1055.1
37.5°	781.5	815.5	849.5	901.3	953.2	968.4	983.6	987.2
40°	718.9	751.1	783.3	835.1	887.0	902.2	917.4	908.5
42.5°	665.3	696.6	727.8	765.4	803.0	817.3	831.6	833.4
45°	581.2	616.1	650.9	691.2	731.4	745.7	760.0	765.4
47.5°	527.6	546.3	565.1	605.3	645.6	652.7	659.9	668.8
50°	456.0	470.3	484.6	515.9	547.2	560.6	574.1	575.8
52.5°	384.5	397.9	411.3	438.1	465.0	473.0	481.1	490.0
55°	313.0	323.7	334.4	353.2	372.0	375.5	379.1	375.5
57.5°	253.9	261.1	268.2	279.9	291.5	291.5	291.5	289.7
60°	191.4	197.6	203.9	210.1	216.4	218.2	220.0	214.6
62.5°	146.6	150.2	153.8	157.4	160.9	160.9	160.9	157.4
65°	110.9	110.9	110.9	116.2	121.6	122.5	123.4	121.6
67.5°	84.1	86.7	89.4	92.1	94.8	94.8	94.8	93.0
70°	64.4	66.2	68.0	70.6	73.3	74.2	75.1	75.1
72.5°	48.3	51.9	55.4	55.4	55.4	55.4	55.4	53.6
75°	35.8	36.7	37.6	38.4	39.3	38.4	37.6	35.8
77.5°	26.8	25.9	25.0	25.9	26.8	25.0	23.2	25.0
80°	21.5	19.7	17.9	17.0	16.1	14.3	12.5	10.7
82.5°	16.1	13.4	10.7	8.9	7.2	6.3	5.4	3.6
85°	14.3	11.6	8.9	6.3	3.6	1.8	0.0	0.0
87.5°	12.5	10.7	8.9	6.3	3.6	1.8	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)