

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: P394779

Luminaire Tested: **303-B2-LEDB4-3000-UNV-T5X-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394779
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-LEDB4-3000-UNV-T5X-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, DUAL HEAD, FOUR LIGHTBAR, TYPE 5
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2305.1 lumens
Efficiency: N/A
Efficacy: 75.3 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

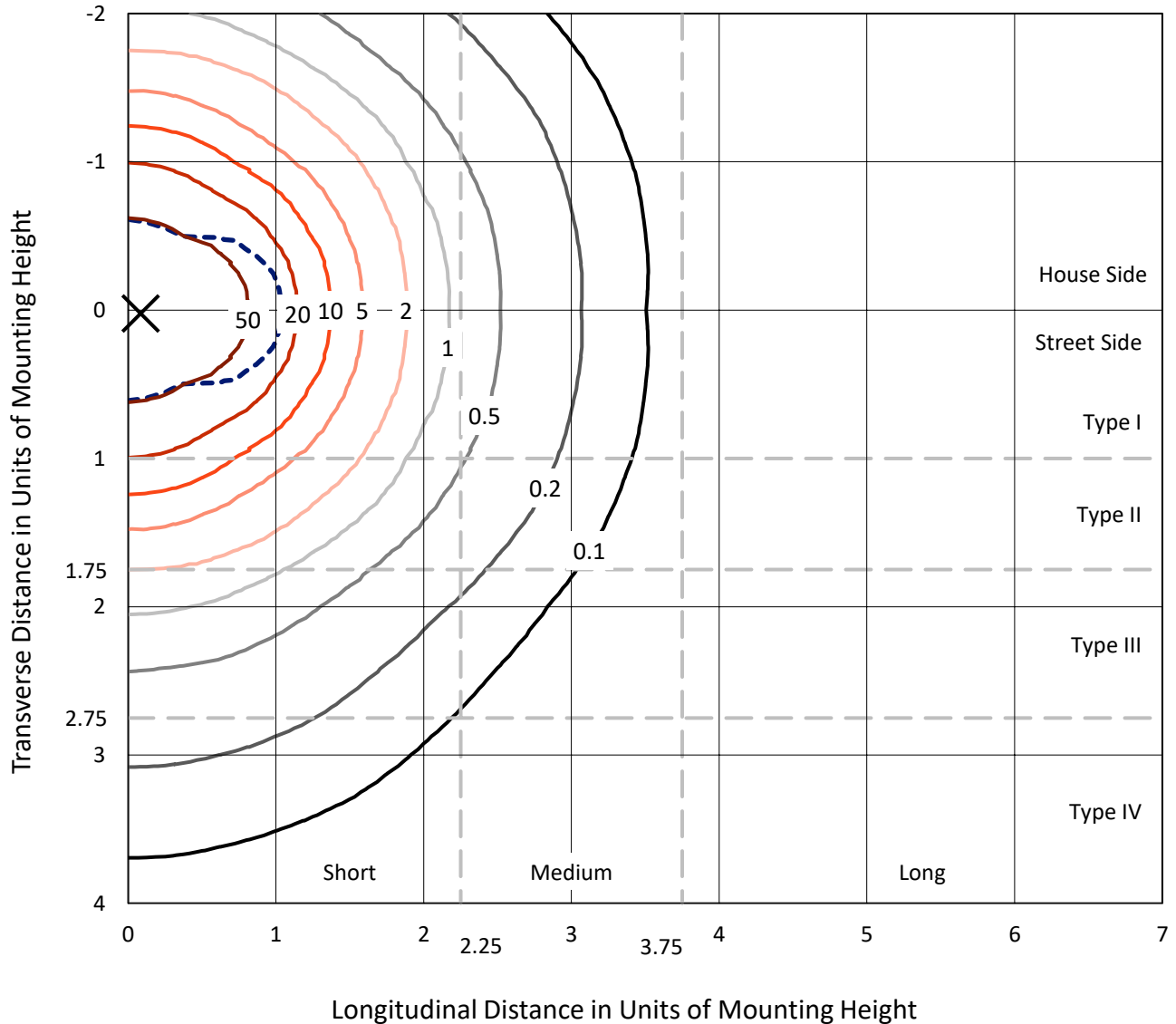


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Iso-Footcandle Lines of Horizontal Illumination

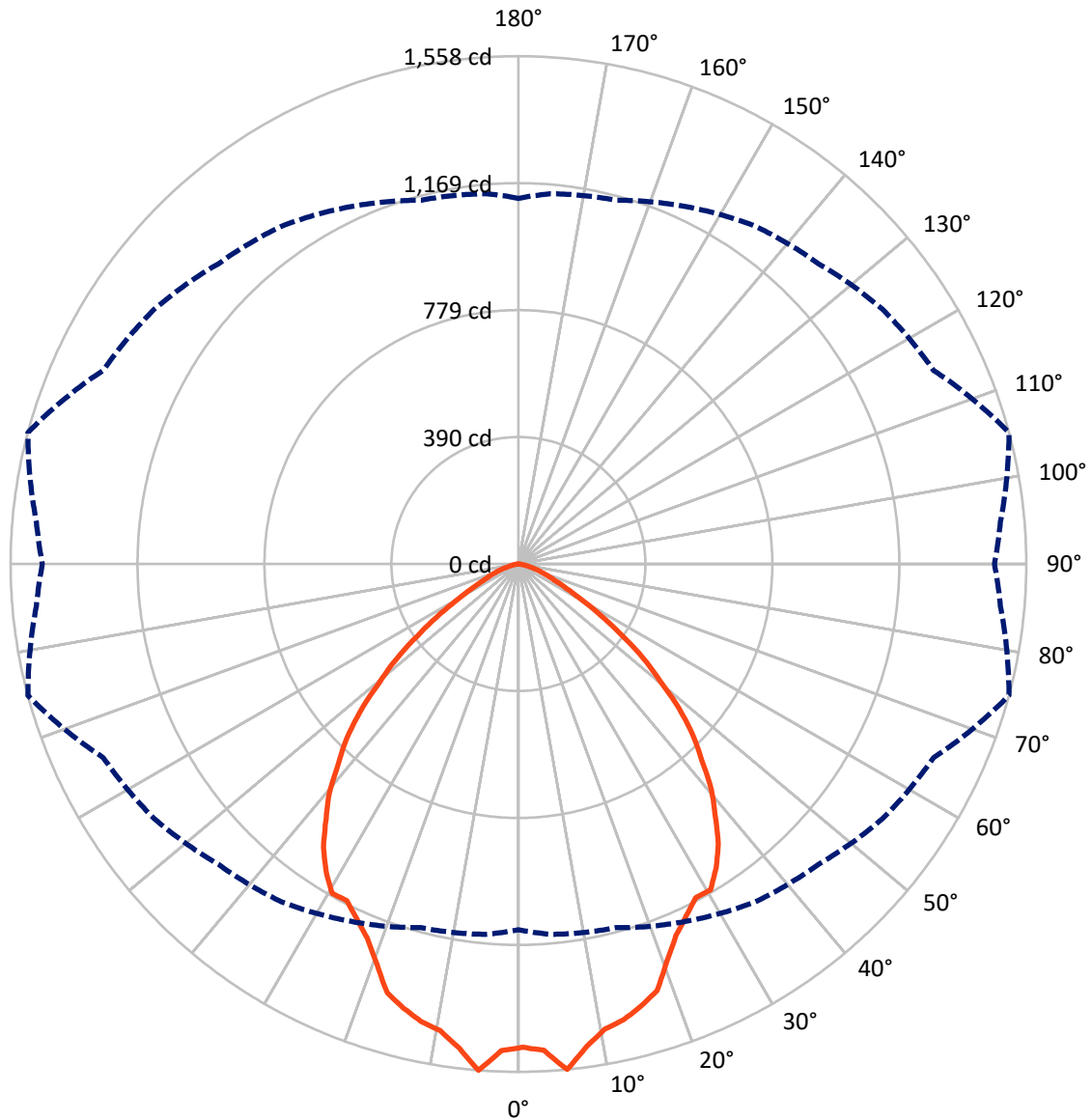
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 164.7 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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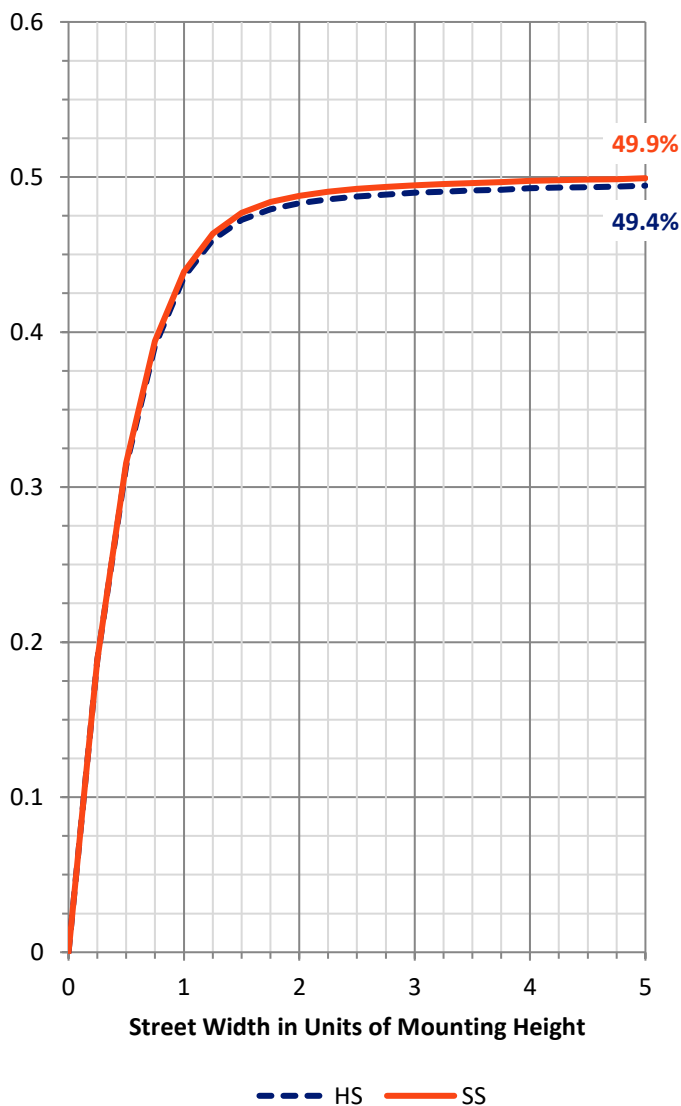
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1152.5	0.0	1152.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1152.5	0.0	1152.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2305.1	0.0	2305.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.7	5.2
10°-20°	312.1	13.5
20°-30°	453.4	19.7
30°-40°	511.5	22.2
40°-50°	450.2	19.5
50°-60°	279.8	12.1
60°-70°	113.1	4.9
70°-80°	46.4	2.0
80°-90°	17.9	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°	2305.1	100.0
0°-180°	2305.1	100.0

Coefficient of Utilization



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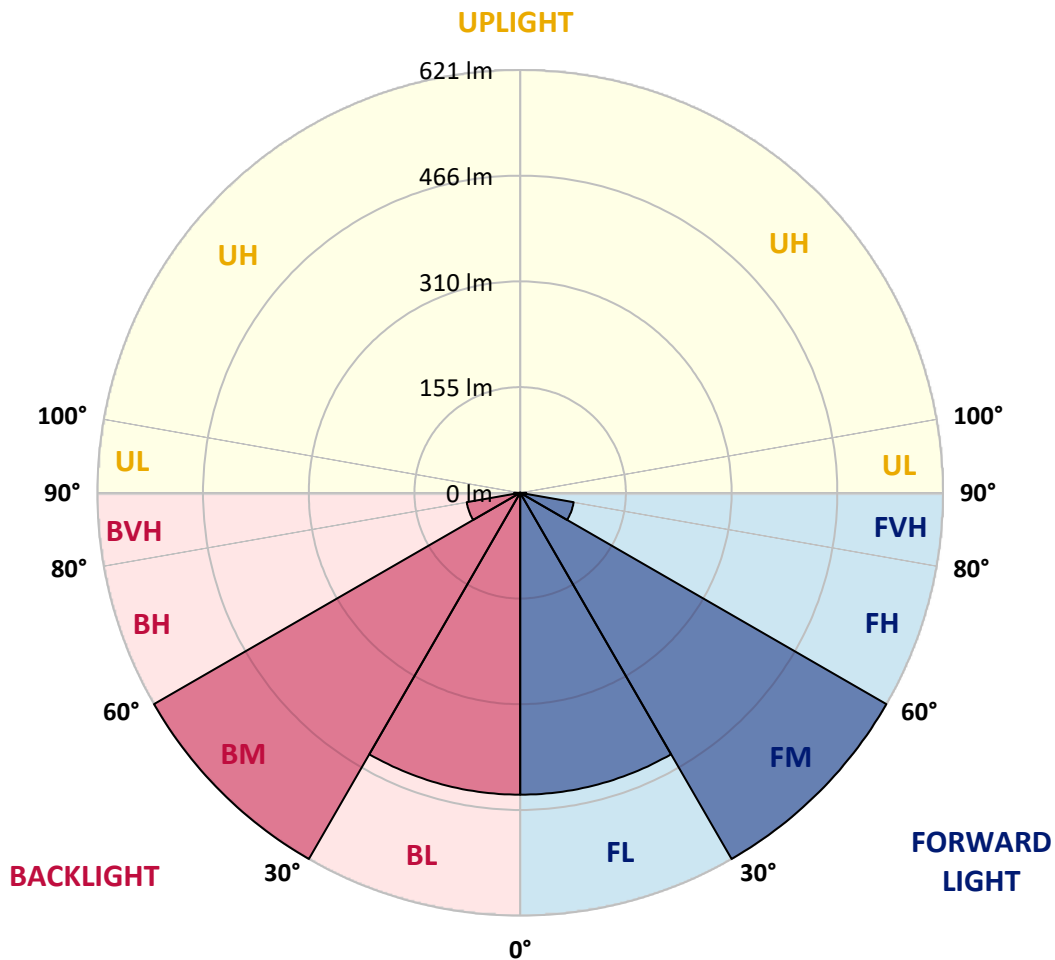
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	443.1	19.2			
FM	(30°-60°)	620.8	26.9			
FH	(60°-80°)	79.7	3.5			G0/660
FVH	(80°-90°)	9.0	0.4			G0/10
BL	(0°-30°)	443.1	19.2	B1/500		
BM	(30°-60°)	620.8	26.9	B1/1000		
BH	(60°-80°)	79.7	3.5	B0/110		G0/110
BVH	(80°-90°)	9.0	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°	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6
2.5°	1445.8	1427.4	1417.3	1407.2	1409.0	1410.8	1400.7	1390.6	1395.2	1399.8	1456.8
5°	1122.0	1140.4	1147.8	1155.2	1182.7	1210.3	1237.9	1265.5	1283.9	1302.3	1332.7
7.5°	980.4	963.9	970.3	976.7	977.6	978.6	982.2	985.9	1055.8	1125.7	1236.1
10°	1083.4	1072.4	1081.6	1090.8	1080.7	1070.5	1039.3	1008.0	1006.2	1004.3	1076.1
12.5°	951.0	943.6	956.5	969.4	997.0	1024.6	1027.3	1030.1	1061.3	1092.6	1115.6
15°	908.7	905.0	906.8	908.7	901.3	894.0	915.1	936.3	1005.2	1074.2	1132.2
17.5°	897.6	897.6	888.4	879.2	875.6	871.9	874.6	877.4	930.7	984.1	1077.0
20°	905.0	894.0	888.4	882.9	884.8	886.6	868.2	849.8	900.4	951.0	1042.0
22.5°	857.2	848.0	859.0	870.0	869.1	868.2	867.3	866.4	891.2	916.0	986.8
25°	831.4	827.7	825.0	822.2	823.1	824.1	829.6	835.1	873.7	912.4	970.3
27.5°	798.3	790.9	791.9	792.8	792.8	792.8	805.7	818.5	847.1	875.6	928.9
30°	765.2	767.0	766.1	765.2	764.3	763.4	760.6	757.8	791.9	825.9	894.9
32.5°	724.7	713.7	720.1	726.6	721.1	715.5	717.4	719.2	751.4	783.6	848.9
35°	687.9	682.4	684.3	686.1	685.2	684.3	680.6	676.9	707.3	737.6	795.5
37.5°	649.3	638.3	642.9	647.5	649.3	651.2	639.2	627.2	657.6	687.9	745.9
40°	599.6	603.3	598.7	594.1	595.1	596.0	587.7	579.4	593.2	607.0	673.2
42.5°	559.2	546.3	542.6	538.9	540.8	542.6	537.1	531.6	559.2	586.8	635.5
45°	502.2	496.6	496.6	496.6	492.0	487.4	481.9	476.4	503.1	529.8	563.8
47.5°	445.1	443.3	437.8	432.3	432.3	432.3	431.3	430.4	451.6	472.7	507.7
50°	393.6	391.8	389.0	386.3	387.2	388.1	377.1	366.0	385.4	404.7	436.9
52.5°	332.9	329.3	329.3	329.3	324.7	320.1	320.1	320.1	333.9	347.6	371.6
55°	270.4	272.2	271.3	270.4	266.7	263.0	262.1	261.2	272.2	283.3	302.6
57.5°	220.7	228.1	222.6	217.1	214.3	211.5	210.6	209.7	218.0	226.2	243.7
60°	150.8	150.8	151.8	152.7	159.1	165.5	169.2	172.9	174.7	176.6	186.7
62.5°	119.6	119.6	119.6	119.6	117.7	115.9	121.4	126.9	130.6	134.3	142.6
65°	97.5	97.5	96.6	95.6	94.7	93.8	92.9	92.0	97.5	103.0	108.5
67.5°	82.8	80.9	81.9	82.8	80.9	79.1	77.3	75.4	76.3	77.3	81.9
70°	69.9	69.9	69.0	68.1	66.2	64.4	62.5	60.7	59.8	58.9	62.5
72.5°	58.9	58.9	57.9	57.0	56.1	55.2	52.4	49.7	48.7	47.8	48.7
75°	49.7	49.7	48.7	47.8	46.9	46.0	44.1	42.3	40.5	38.6	37.7
77.5°	44.1	42.3	42.3	42.3	40.5	38.6	36.8	34.9	33.1	31.3	29.4
80°	36.8	36.8	36.8	36.8	34.9	33.1	31.3	29.4	27.6	25.8	23.9
82.5°	33.1	31.3	31.3	31.3	30.4	29.4	27.6	25.8	23.9	22.1	19.3
85°	29.4	29.4	28.5	27.6	26.7	25.8	24.8	23.9	21.2	18.4	16.6
87.5°	27.6	27.6	26.7	25.8	24.8	23.9	23.0	22.1	20.2	18.4	15.6
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°	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6	1482.6
2.5°	1513.8	1534.1	1554.3	1524.0	1493.6	1485.3	1477.1	1478.9
5°	1363.0	1384.2	1405.3	1481.6	1558.0	1521.2	1484.4	1460.5
7.5°	1346.5	1367.6	1388.8	1442.1	1495.4	1485.3	1475.2	1449.5
10°	1147.8	1264.6	1381.4	1416.4	1451.3	1443.0	1434.7	1438.4
12.5°	1138.6	1198.4	1258.2	1346.5	1434.7	1425.5	1416.4	1416.4
15°	1190.1	1182.7	1175.4	1291.3	1407.2	1410.8	1414.5	1412.7
17.5°	1169.9	1169.9	1169.9	1272.9	1375.9	1384.2	1392.4	1375.9
20°	1133.1	1172.6	1212.2	1256.3	1300.5	1324.4	1348.3	1342.8
22.5°	1057.7	1117.4	1177.2	1207.6	1237.9	1283.0	1328.1	1328.1
25°	1028.2	1088.0	1147.8	1171.7	1195.6	1229.6	1263.7	1291.3
27.5°	982.2	1035.6	1088.9	1123.9	1158.8	1193.8	1228.7	1232.4
30°	963.9	1003.4	1042.9	1101.8	1160.7	1171.7	1182.7	1184.6
32.5°	914.2	959.3	1004.3	1058.6	1112.8	1128.5	1144.1	1129.4
35°	853.5	894.9	936.3	996.0	1055.8	1065.9	1076.1	1085.3
37.5°	803.8	838.8	873.7	927.1	980.4	996.0	1011.7	1015.4
40°	739.4	772.6	805.7	859.0	912.4	928.0	943.6	934.4
42.5°	684.3	716.5	748.6	787.3	825.9	840.6	855.3	857.2
45°	597.8	633.7	669.5	710.9	752.3	767.0	781.8	787.3
47.5°	542.6	561.9	581.3	622.6	664.0	671.4	678.7	687.9
50°	469.1	483.8	498.5	530.7	562.9	576.7	590.5	592.3
52.5°	395.5	409.3	423.1	450.7	478.2	486.5	494.8	504.0
55°	321.9	332.9	344.0	363.3	382.6	386.3	390.0	386.3
57.5°	261.2	268.6	275.9	287.9	299.8	299.8	299.8	298.0
60°	196.8	203.3	209.7	216.1	222.6	224.4	226.2	220.7
62.5°	150.8	154.5	158.2	161.9	165.5	165.5	165.5	161.9
65°	114.0	114.0	114.0	119.6	125.1	126.0	126.9	125.1
67.5°	86.5	89.2	92.0	94.7	97.5	97.5	97.5	95.6
70°	66.2	68.1	69.9	72.7	75.4	76.3	77.3	77.3
72.5°	49.7	53.3	57.0	57.0	57.0	57.0	57.0	55.2
75°	36.8	37.7	38.6	39.5	40.5	39.5	38.6	36.8
77.5°	27.6	26.7	25.8	26.7	27.6	25.8	23.9	25.8
80°	22.1	20.2	18.4	17.5	16.6	14.7	12.9	11.0
82.5°	16.6	13.8	11.0	9.2	7.4	6.4	5.5	3.7
85°	14.7	12.0	9.2	6.4	3.7	1.8	0.0	0.0
87.5°	12.9	11.0	9.2	6.4	3.7	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)