

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: P394781

Luminaire Tested: **303-B2-LEDB4-4000-UNV-T5X-DIM10**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394781
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-LEDB4-4000-UNV-T5X-DIM10
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, DUAL HEAD, FOUR LIGHTBAR, TYPE 5
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2451.4 lumens
Efficiency: N/A
Efficacy: 80.1 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

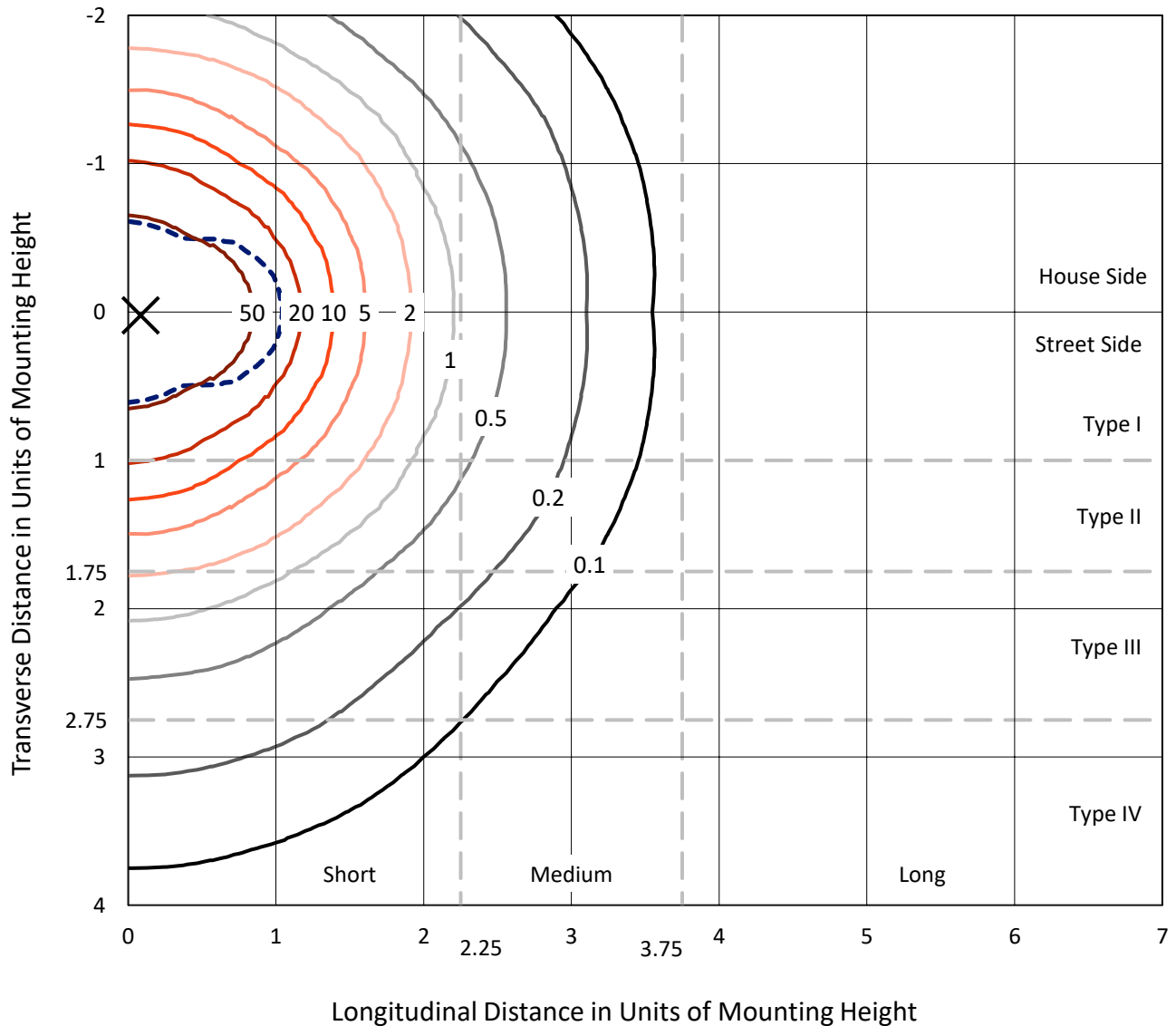


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Iso-Footcandle Lines of Horizontal Illumination

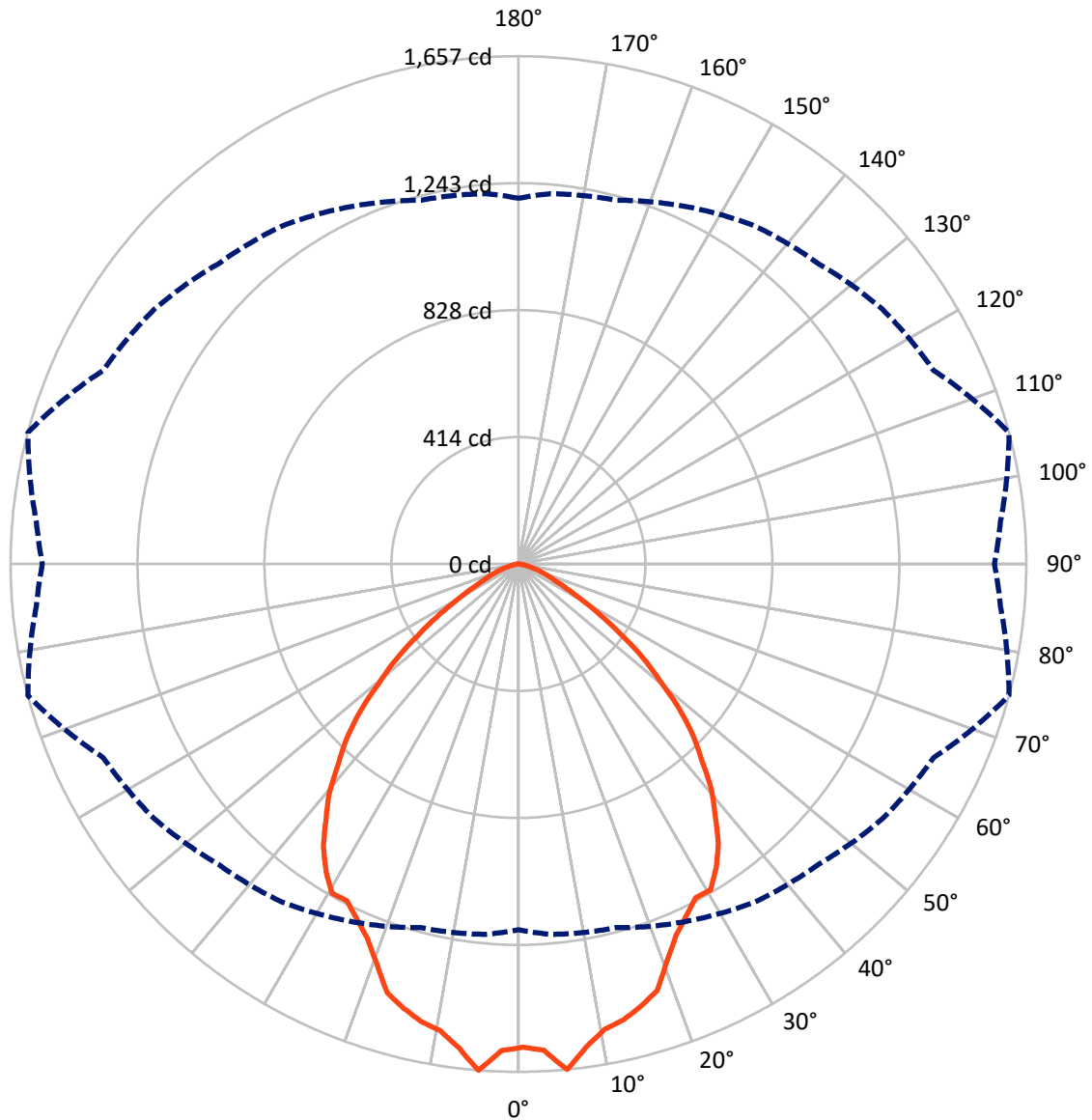
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 175.2 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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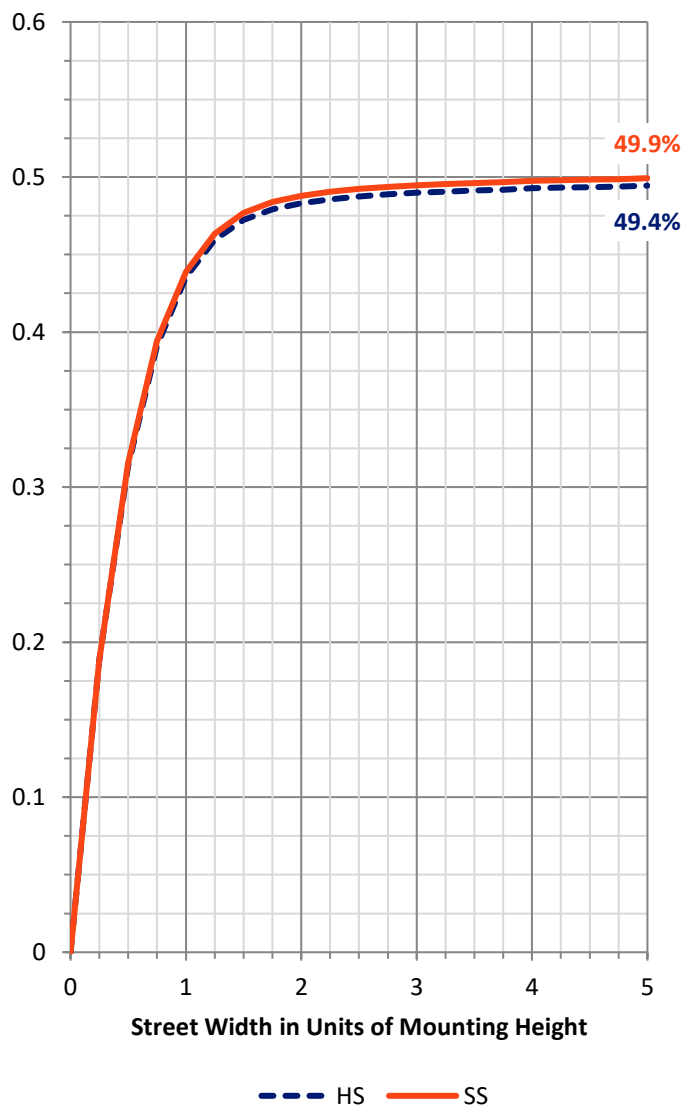
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1225.7	0.0	1225.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1225.7	0.0	1225.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2451.4	0.0	2451.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.4	5.2
10°-20°	331.9	13.5
20°-30°	482.2	19.7
30°-40°	544.0	22.2
40°-50°	478.8	19.5
50°-60°	297.6	12.1
60°-70°	120.3	4.9
70°-80°	49.3	2.0
80°-90°	19.1	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°	2451.4	100.0
0°-180°	2451.4	100.0

Coefficient of Utilization



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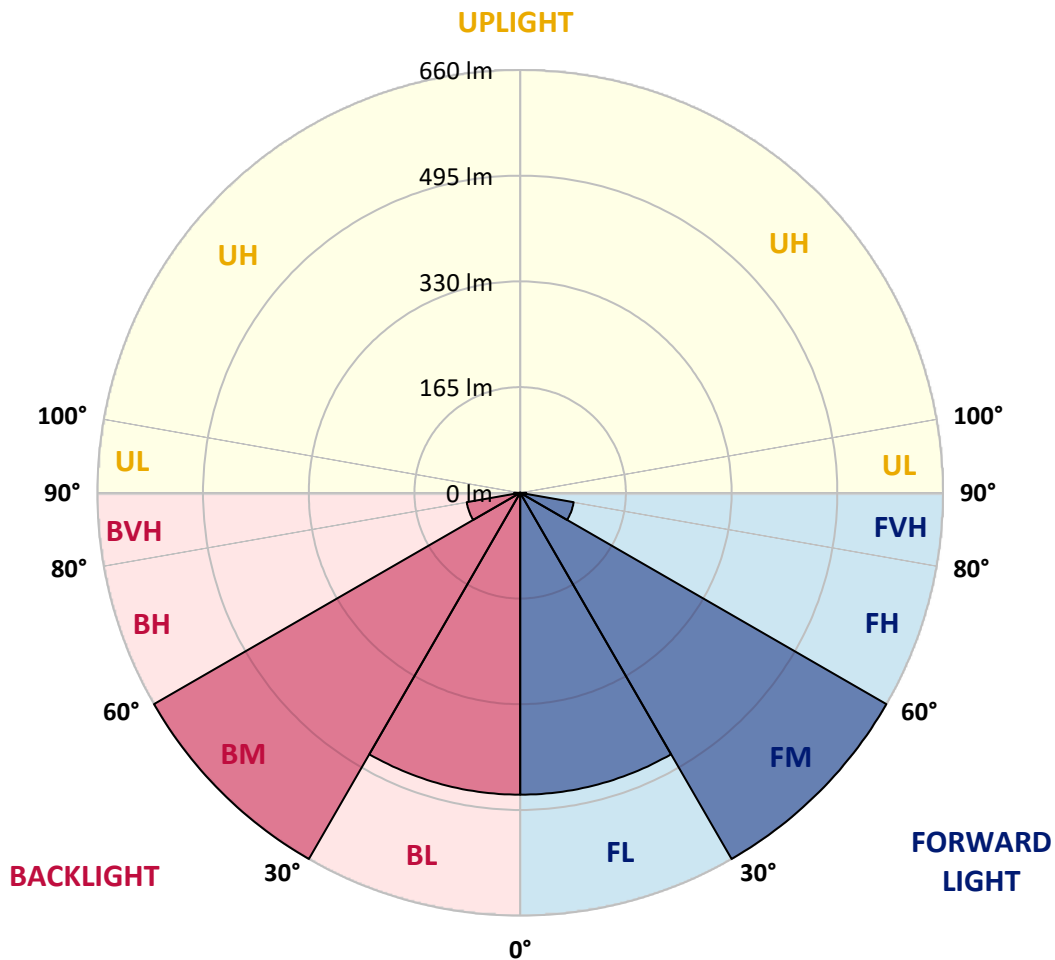
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	471.2	19.2			
FM (30°-60°)	660.2	26.9			
FH (60°-80°)	84.8	3.5			G0/660
FVH (80°-90°)	9.5	0.4			G0/10
BL (0°-30°)	471.2	19.2	B1/500		
BM (30°-60°)	660.2	26.9	B1/1000		
BH (60°-80°)	84.8	3.5	B0/110		G0/110
BVH (80°-90°)	9.5	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°	1576.7	1576.7	1576.7	1576.7	1576.7	1576.7	1576.7	1576.7	1576.7	1576.7	1576.7
2.5°	1537.6	1518.0	1507.3	1496.5	1498.5	1500.4	1489.6	1478.9	1483.8	1488.7	1549.3
5°	1193.3	1212.8	1220.7	1228.5	1257.8	1287.2	1316.5	1345.9	1365.4	1385.0	1417.3
7.5°	1042.7	1025.1	1031.9	1038.7	1039.7	1040.7	1044.6	1048.5	1122.9	1197.2	1314.6
10°	1152.2	1140.5	1150.2	1160.0	1149.3	1138.5	1105.3	1072.0	1070.0	1068.1	1144.4
12.5°	1011.4	1003.5	1017.2	1030.9	1060.3	1089.6	1092.5	1095.5	1128.7	1162.0	1186.4
15°	966.4	962.5	964.4	966.4	958.5	950.7	973.2	995.7	1069.1	1142.4	1204.0
17.5°	954.6	954.6	944.8	935.1	931.2	927.2	930.2	933.1	989.8	1046.6	1145.4
20°	962.5	950.7	944.8	939.0	940.9	942.9	923.3	903.8	957.6	1011.4	1108.2
22.5°	911.6	901.8	913.5	925.3	924.3	923.3	922.4	921.4	947.8	974.2	1049.5
25°	884.2	880.3	877.4	874.4	875.4	876.4	882.2	888.1	929.2	970.3	1031.9
27.5°	849.0	841.2	842.1	843.1	843.1	843.1	856.8	870.5	900.8	931.2	987.9
30°	813.8	815.7	814.8	813.8	812.8	811.8	808.9	806.0	842.1	878.3	951.7
32.5°	770.7	759.0	765.9	772.7	766.8	761.0	762.9	764.9	799.1	833.3	902.8
35°	731.6	725.8	727.7	729.7	728.7	727.7	723.8	719.9	752.2	784.4	846.1
37.5°	690.5	678.8	683.7	688.6	690.5	692.5	679.8	667.1	699.3	731.6	793.2
40°	637.7	641.6	636.7	631.9	632.8	633.8	625.0	616.2	630.9	645.5	716.0
42.5°	594.7	581.0	577.1	573.2	575.1	577.1	571.2	565.3	594.7	624.0	675.9
45°	534.0	528.2	528.2	528.2	523.3	518.4	512.5	506.7	535.0	563.4	599.6
47.5°	473.4	471.4	465.6	459.7	459.7	459.7	458.7	457.8	480.2	502.7	539.9
50°	418.6	416.7	413.7	410.8	411.8	412.8	401.0	389.3	409.8	430.4	464.6
52.5°	354.1	350.2	350.2	350.2	345.3	340.4	340.4	340.4	355.1	369.7	395.2
55°	287.6	289.5	288.5	287.6	283.6	279.7	278.8	277.8	289.5	301.3	321.8
57.5°	234.7	242.6	236.7	230.8	227.9	225.0	224.0	223.0	231.8	240.6	259.2
60°	160.4	160.4	161.4	162.4	169.2	176.1	180.0	183.9	185.8	187.8	198.6
62.5°	127.2	127.2	127.2	127.2	125.2	123.2	129.1	135.0	138.9	142.8	151.6
65°	103.7	103.7	102.7	101.7	100.7	99.8	98.8	97.8	103.7	109.5	115.4
67.5°	88.0	86.1	87.1	88.0	86.1	84.1	82.2	80.2	81.2	82.2	87.1
70°	74.3	74.3	73.4	72.4	70.4	68.5	66.5	64.6	63.6	62.6	66.5
72.5°	62.6	62.6	61.6	60.6	59.7	58.7	55.8	52.8	51.8	50.9	51.8
75°	52.8	52.8	51.8	50.9	49.9	48.9	46.9	45.0	43.0	41.1	40.1
77.5°	46.9	45.0	45.0	45.0	43.0	41.1	39.1	37.2	35.2	33.3	31.3
80°	39.1	39.1	39.1	39.1	37.2	35.2	33.3	31.3	29.3	27.4	25.4
82.5°	35.2	33.3	33.3	33.3	32.3	31.3	29.3	27.4	25.4	23.5	20.5
85°	31.3	31.3	30.3	29.3	28.4	27.4	26.4	25.4	22.5	19.6	17.6
87.5°	29.3	29.3	28.4	27.4	26.4	25.4	24.5	23.5	21.5	19.6	16.6
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°	1576.7	1576.7	1576.7	1576.7	1576.7	1576.7	1576.7	1576.7
2.5°	1610.0	1631.5	1653.0	1620.7	1588.4	1579.6	1570.8	1572.8
5°	1449.5	1472.0	1494.5	1575.7	1656.9	1617.8	1578.7	1553.2
7.5°	1431.9	1454.4	1476.9	1533.7	1590.4	1579.6	1568.9	1541.5
10°	1220.7	1344.9	1469.1	1506.3	1543.4	1534.6	1525.8	1529.8
12.5°	1210.9	1274.5	1338.0	1431.9	1525.8	1516.1	1506.3	1506.3
15°	1265.7	1257.8	1250.0	1373.3	1496.5	1500.4	1504.3	1502.4
17.5°	1244.1	1244.1	1244.1	1353.7	1463.2	1472.0	1480.8	1463.2
20°	1205.0	1247.1	1289.1	1336.1	1383.0	1408.5	1433.9	1428.0
22.5°	1124.8	1188.4	1252.0	1284.2	1316.5	1364.5	1412.4	1412.4
25°	1093.5	1157.1	1220.7	1246.1	1271.5	1307.7	1343.9	1373.3
27.5°	1044.6	1101.3	1158.1	1195.2	1232.4	1269.6	1306.7	1310.7
30°	1025.1	1067.1	1109.2	1171.8	1234.4	1246.1	1257.8	1259.8
32.5°	972.2	1020.2	1068.1	1125.8	1183.5	1200.1	1216.8	1201.1
35°	907.7	951.7	995.7	1059.3	1122.9	1133.6	1144.4	1154.2
37.5°	854.9	892.0	929.2	985.9	1042.7	1059.3	1075.9	1079.8
40°	786.4	821.6	856.8	913.5	970.3	986.9	1003.5	993.8
42.5°	727.7	761.9	796.2	837.3	878.3	894.0	909.6	911.6
45°	635.8	673.9	712.1	756.1	800.1	815.7	831.4	837.3
47.5°	577.1	597.6	618.2	662.2	706.2	714.0	721.8	731.6
50°	498.8	514.5	530.1	564.4	598.6	613.3	627.9	629.9
52.5°	420.6	435.3	449.9	479.3	508.6	517.4	526.2	536.0
55°	342.3	354.1	365.8	386.4	406.9	410.8	414.7	410.8
57.5°	277.8	285.6	293.4	306.1	318.9	318.9	318.9	316.9
60°	209.3	216.2	223.0	229.9	236.7	238.7	240.6	234.7
62.5°	160.4	164.3	168.2	172.1	176.1	176.1	176.1	172.1
65°	121.3	121.3	121.3	127.2	133.0	134.0	135.0	133.0
67.5°	91.9	94.9	97.8	100.7	103.7	103.7	103.7	101.7
70°	70.4	72.4	74.3	77.3	80.2	81.2	82.2	82.2
72.5°	52.8	56.7	60.6	60.6	60.6	60.6	60.6	58.7
75°	39.1	40.1	41.1	42.1	43.0	42.1	41.1	39.1
77.5°	29.3	28.4	27.4	28.4	29.3	27.4	25.4	27.4
80°	23.5	21.5	19.6	18.6	17.6	15.6	13.7	11.7
82.5°	17.6	14.7	11.7	9.8	7.8	6.8	5.9	3.9
85°	15.6	12.7	9.8	6.8	3.9	2.0	0.0	0.0
87.5°	13.7	11.7	9.8	6.8	3.9	2.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)