

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: McGRAW-EDISON

Report Number: P197832

Luminaire Tested: **TT-C3-LED-E1-WQ-CG-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197832
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115513)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C3-LED-E1-WQ-CG-MS/DIM-7060
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5007.3 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

Input Watts (W): 45
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

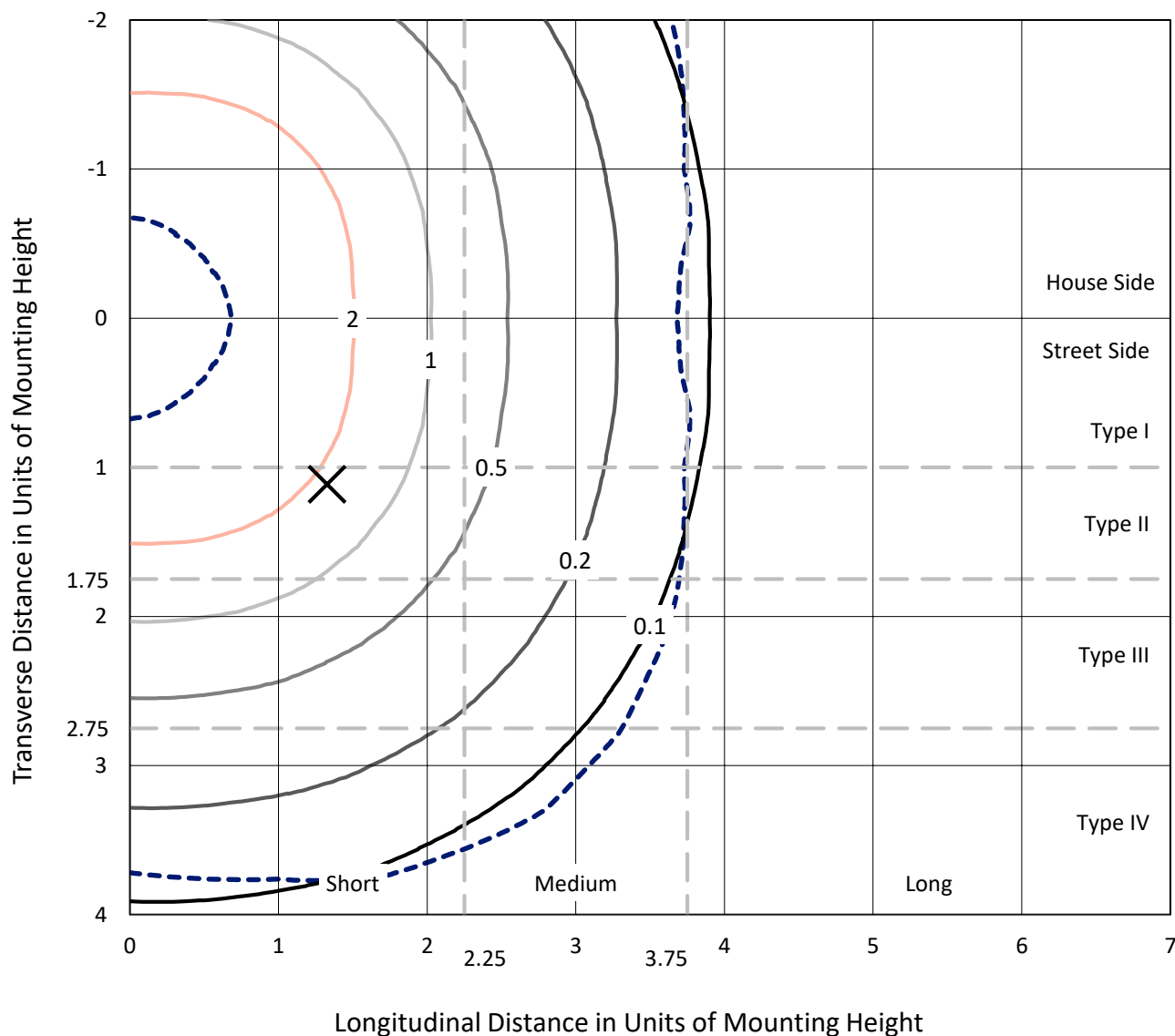


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

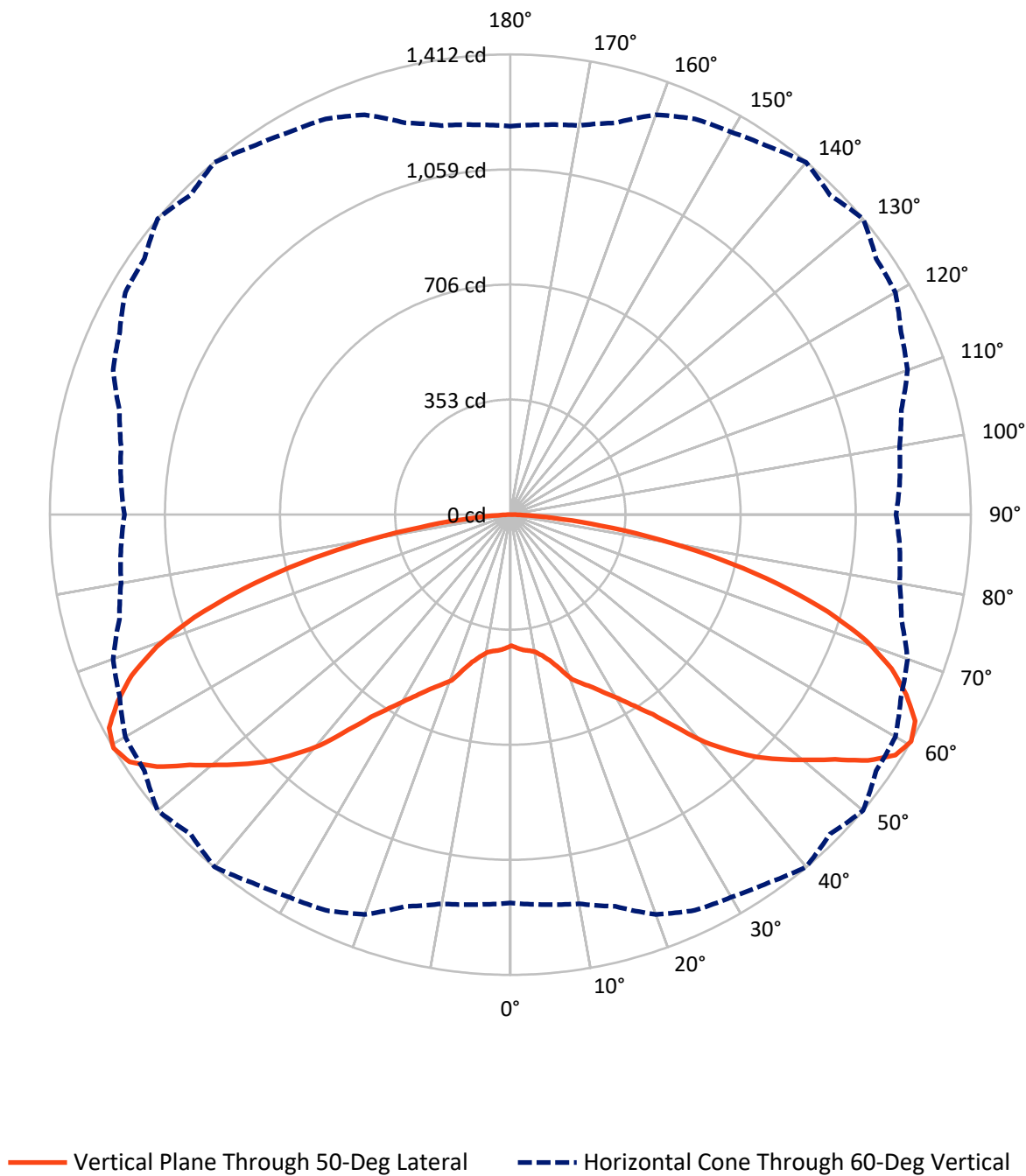


Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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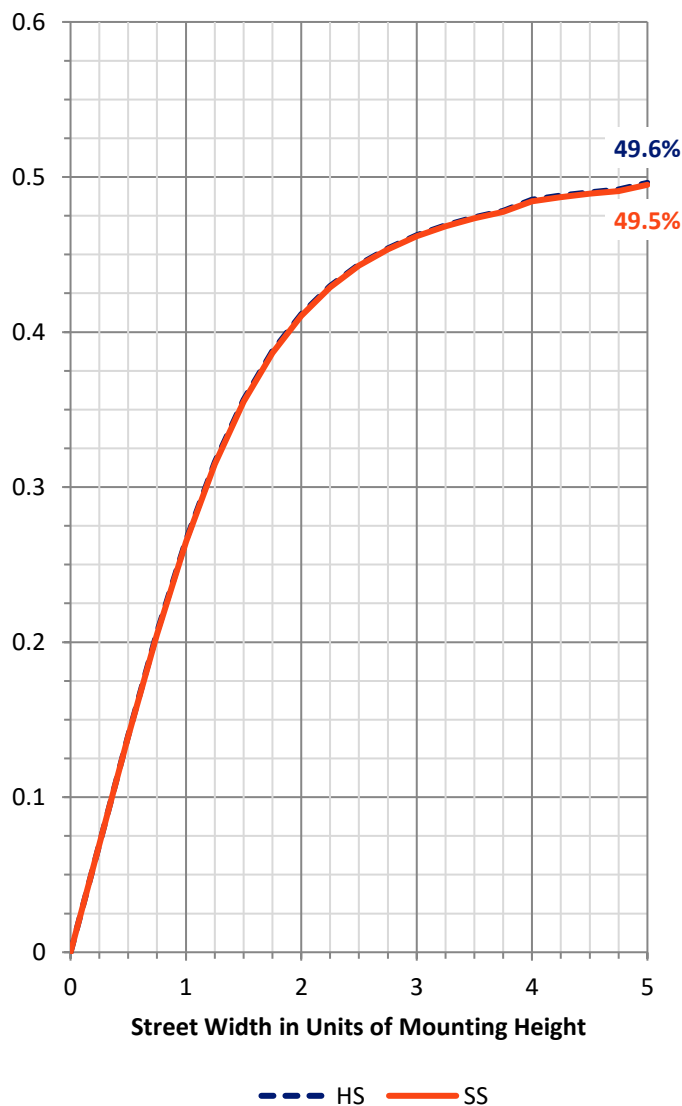
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2503.6	0.0	2503.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2503.6	0.0	2503.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	5007.3	0.0	5007.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.0	0.8
10°-20°	135.1	2.7
20°-30°	272.7	5.4
30°-40°	471.4	9.4
40°-50°	783.0	15.6
50°-60°	1112.7	22.2
60°-70°	1215.4	24.3
70°-80°	807.5	16.1
80°-90°	169.5	3.4
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°	5007.3	100.0
0°-180°	5007.3	100.0

Coefficient of Utilization



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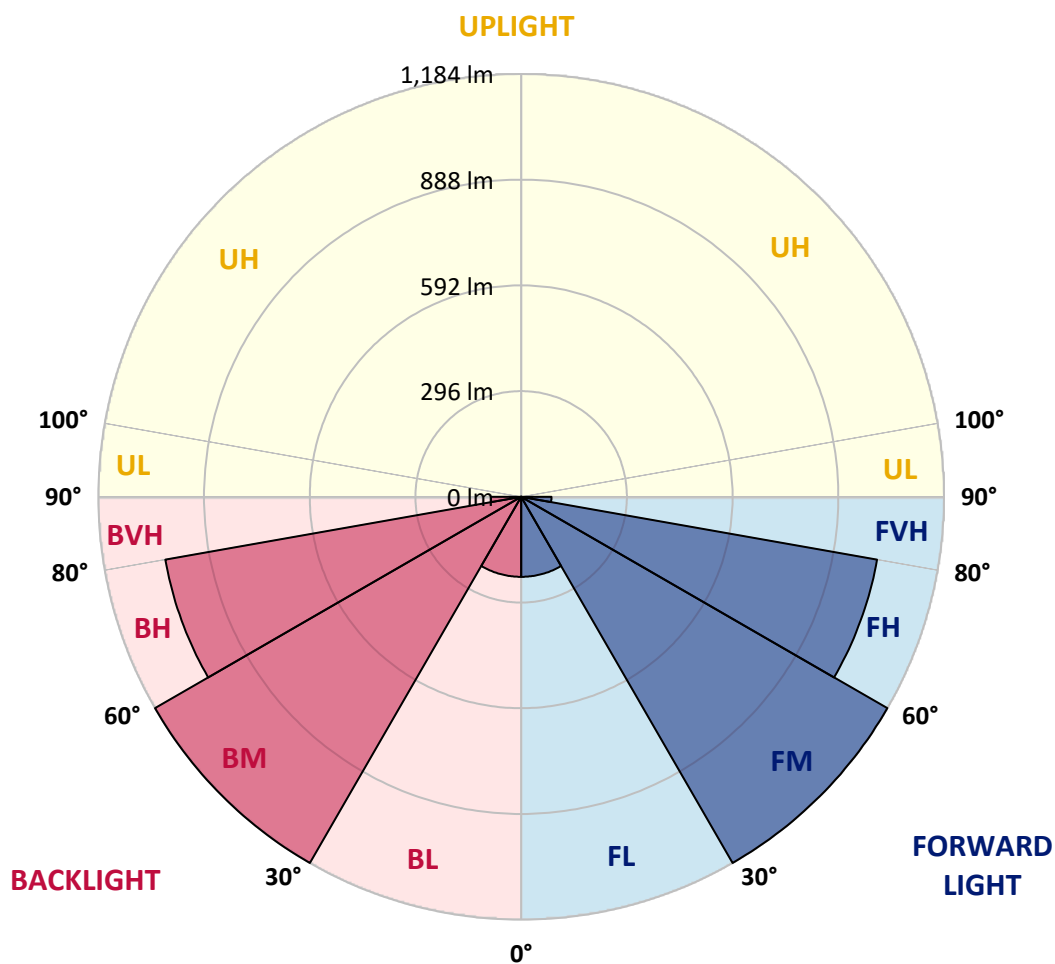
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	223.9	4.5			
FM	(30°-60°)	1183.5	23.6			
FH	(60°-80°)	1011.4	20.2			G1/1800
FVH	(80°-90°)	84.7	1.7			G1/100
BL	(0°-30°)	223.9	4.5	B1/500		
BM	(30°-60°)	1183.5	23.6	B2/2500		
BH	(60°-80°)	1011.4	20.2	B3/2500		G1/1800
BVH	(80°-90°)	84.7	1.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	401.8	401.8	401.8	401.8	401.8	401.8	401.8	401.8	401.8	401.8	401.8
2.5°	410.0	410.0	410.0	410.0	410.0	410.0	410.0	410.0	409.0	410.0	410.0
5°	414.2	414.2	414.2	415.2	415.2	415.2	416.3	416.3	416.3	417.3	417.3
7.5°	417.3	417.3	417.3	417.3	418.3	418.3	418.3	419.4	419.4	420.4	421.4
10°	430.8	430.8	430.8	430.8	430.8	429.7	429.7	429.7	428.7	428.7	428.7
12.5°	447.3	448.4	449.4	449.4	449.4	449.4	447.3	445.3	445.3	445.3	445.3
15°	462.9	463.9	464.9	467.0	468.0	469.1	469.1	469.1	469.1	469.1	467.0
17.5°	487.7	488.7	488.7	489.8	490.8	490.8	491.8	495.0	499.1	501.2	499.1
20°	526.0	528.1	529.1	529.1	530.2	529.1	531.2	533.3	536.4	538.4	539.5
22.5°	554.0	556.0	559.2	559.2	559.2	558.1	560.2	561.2	560.2	560.2	562.3
25°	575.7	577.8	579.9	580.9	583.0	587.1	591.3	591.3	588.1	587.1	587.1
27.5°	603.7	606.8	606.8	607.8	609.9	613.0	617.1	620.2	622.3	620.2	619.2
30°	639.9	642.0	643.0	642.0	646.1	647.2	648.2	650.3	656.5	660.6	655.4
32.5°	667.9	671.0	674.1	678.2	687.5	691.7	690.7	692.7	694.8	698.9	700.0
35°	710.3	715.5	716.5	719.6	731.0	737.3	746.6	751.7	750.7	745.5	752.8
37.5°	774.5	780.7	781.8	787.0	798.3	803.5	813.9	827.3	830.4	823.2	827.3
40°	841.8	850.1	857.4	868.8	887.4	893.6	906.0	913.3	923.6	924.7	917.4
42.5°	898.8	908.1	908.1	927.8	948.5	966.1	981.6	982.7	989.9	1000.3	989.9
45°	959.9	967.1	970.2	986.8	999.2	1022.0	1044.8	1053.1	1056.2	1058.2	1061.4
47.5°	1015.8	1025.1	1028.2	1042.7	1056.2	1076.9	1091.4	1116.2	1122.4	1114.2	1122.4
50°	1051.0	1061.4	1069.6	1099.7	1123.5	1141.1	1153.5	1175.3	1187.7	1181.5	1182.5
52.5°	1105.9	1109.0	1117.3	1133.8	1168.0	1215.6	1230.1	1237.4	1255.0	1264.3	1247.7
55°	1180.4	1190.8	1197.0	1216.7	1234.3	1268.4	1323.3	1334.7	1330.6	1359.6	1331.6
57.5°	1192.9	1208.4	1228.1	1265.3	1296.4	1315.0	1349.2	1388.6	1387.5	1391.7	1392.7
60°	1191.8	1201.1	1212.5	1244.6	1305.7	1339.9	1355.4	1379.2	1411.3	1386.5	1412.4
62.5°	1184.6	1198.0	1210.5	1233.2	1266.4	1315.0	1358.5	1355.4	1398.9	1379.2	1393.7
65°	1141.1	1153.5	1176.3	1206.3	1246.7	1269.5	1313.0	1340.9	1334.7	1361.6	1334.7
67.5°	1065.5	1076.9	1095.5	1130.7	1173.2	1206.3	1221.8	1268.4	1263.3	1293.3	1261.2
70°	961.9	976.4	998.2	1023.0	1064.5	1099.7	1117.3	1147.3	1161.8	1159.7	1157.7
72.5°	837.7	850.1	867.7	894.6	929.8	964.0	977.5	1000.3	1024.1	1016.8	1018.9
75°	698.9	709.3	722.8	739.3	772.5	799.4	814.9	835.6	854.3	849.1	847.0
77.5°	538.4	550.9	565.4	580.9	594.4	619.2	630.6	645.1	660.6	657.5	658.6
80°	376.9	387.3	396.6	413.2	423.5	431.8	444.2	450.4	461.8	459.7	462.9
82.5°	229.9	237.1	243.3	251.6	260.9	258.9	259.9	267.2	276.5	271.3	279.6
85°	112.9	111.8	118.0	120.1	126.3	125.3	124.3	128.4	133.6	130.5	130.5
87.5°	29.0	29.0	29.0	30.0	33.1	36.2	33.1	35.2	37.3	38.3	37.3
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°	401.8	401.8	401.8	401.8	401.8	401.8	401.8	401.8
2.5°	409.0	410.0	409.0	410.0	410.0	410.0	410.0	409.0
5°	417.3	416.3	416.3	416.3	415.2	414.2	414.2	414.2
7.5°	421.4	421.4	420.4	419.4	418.3	418.3	420.4	419.4
10°	430.8	431.8	432.8	433.9	432.8	431.8	431.8	430.8
12.5°	445.3	446.3	448.4	450.4	450.4	449.4	447.3	446.3
15°	466.0	464.9	466.0	468.0	468.0	464.9	461.8	460.8
17.5°	495.0	491.8	489.8	489.8	491.8	488.7	485.6	486.7
20°	535.3	530.2	529.1	526.0	529.1	529.1	523.9	523.9
22.5°	564.3	560.2	556.0	552.9	557.1	559.2	554.0	549.8
25°	591.3	590.2	584.0	580.9	580.9	581.9	574.7	575.7
27.5°	618.2	618.2	614.0	608.9	606.8	609.9	603.7	601.6
30°	650.3	647.2	650.3	643.0	637.8	641.0	641.0	636.8
32.5°	691.7	687.5	690.7	682.4	675.1	674.1	668.9	662.7
35°	750.7	740.4	735.2	731.0	716.5	715.5	714.5	709.3
37.5°	825.3	811.8	800.4	801.5	780.7	775.6	775.6	768.3
40°	914.3	906.0	889.5	883.3	862.5	849.1	848.0	834.6
42.5°	976.4	979.6	957.8	943.3	926.7	906.0	907.1	892.6
45°	1044.8	1038.6	1018.9	995.1	987.8	965.1	966.1	951.6
47.5°	1110.0	1087.2	1076.9	1051.0	1039.6	1013.7	1016.8	1006.5
50°	1174.2	1149.4	1138.0	1110.0	1091.4	1064.5	1061.4	1039.6
52.5°	1242.6	1218.7	1203.2	1162.8	1138.0	1117.3	1109.0	1098.6
55°	1331.6	1307.8	1269.5	1230.1	1211.5	1179.4	1176.3	1162.8
57.5°	1371.0	1352.3	1311.9	1286.0	1248.8	1215.6	1203.2	1177.3
60°	1369.9	1363.7	1322.3	1296.4	1241.5	1212.5	1199.1	1183.5
62.5°	1358.5	1351.3	1302.6	1273.6	1223.9	1199.1	1188.7	1169.0
65°	1335.8	1310.9	1267.4	1243.6	1189.8	1168.0	1145.2	1127.6
67.5°	1271.6	1219.8	1200.1	1170.1	1117.3	1094.5	1072.7	1055.1
70°	1151.4	1113.1	1095.5	1058.2	1012.7	998.2	971.3	951.6
72.5°	998.2	977.5	958.8	918.5	886.4	871.9	844.9	828.4
75°	828.4	815.9	790.1	760.0	731.0	725.9	696.9	690.7
77.5°	643.0	631.6	610.9	589.2	575.7	565.4	539.5	537.4
80°	450.4	443.2	426.6	417.3	408.0	398.7	381.1	379.0
82.5°	266.1	260.9	262.0	252.7	247.5	245.4	231.9	233.0
85°	128.4	124.3	124.3	124.3	119.1	118.0	109.8	110.8
87.5°	37.3	33.1	33.1	33.1	31.1	31.1	26.9	28.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)