

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: P197759

Luminaire Tested: **TT-C3-LED-E1-WQ-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197759
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115468)
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-MS/DIM-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5355.3 lumens
Efficiency: N/A
Efficacy: 119.0 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G2

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



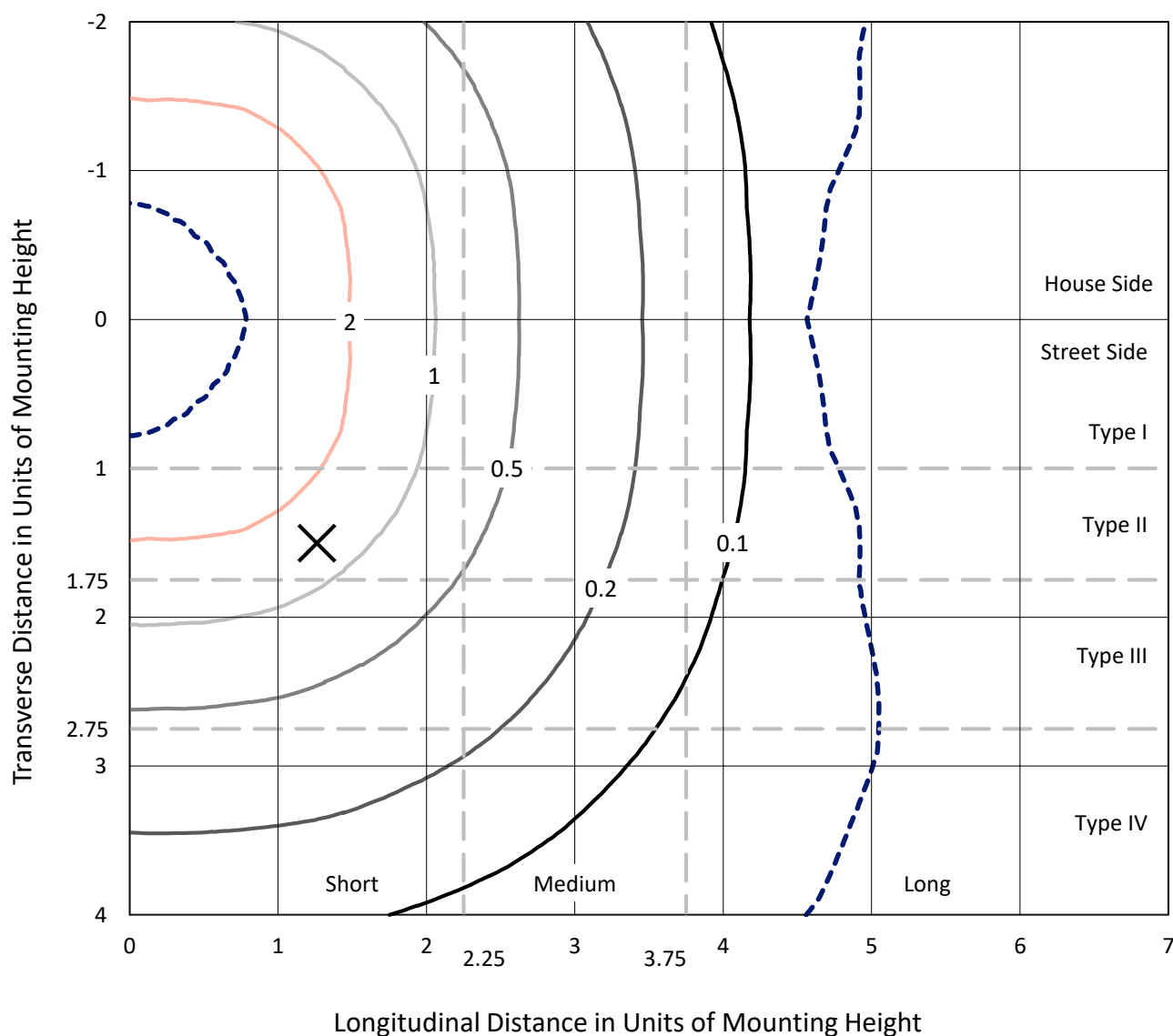
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

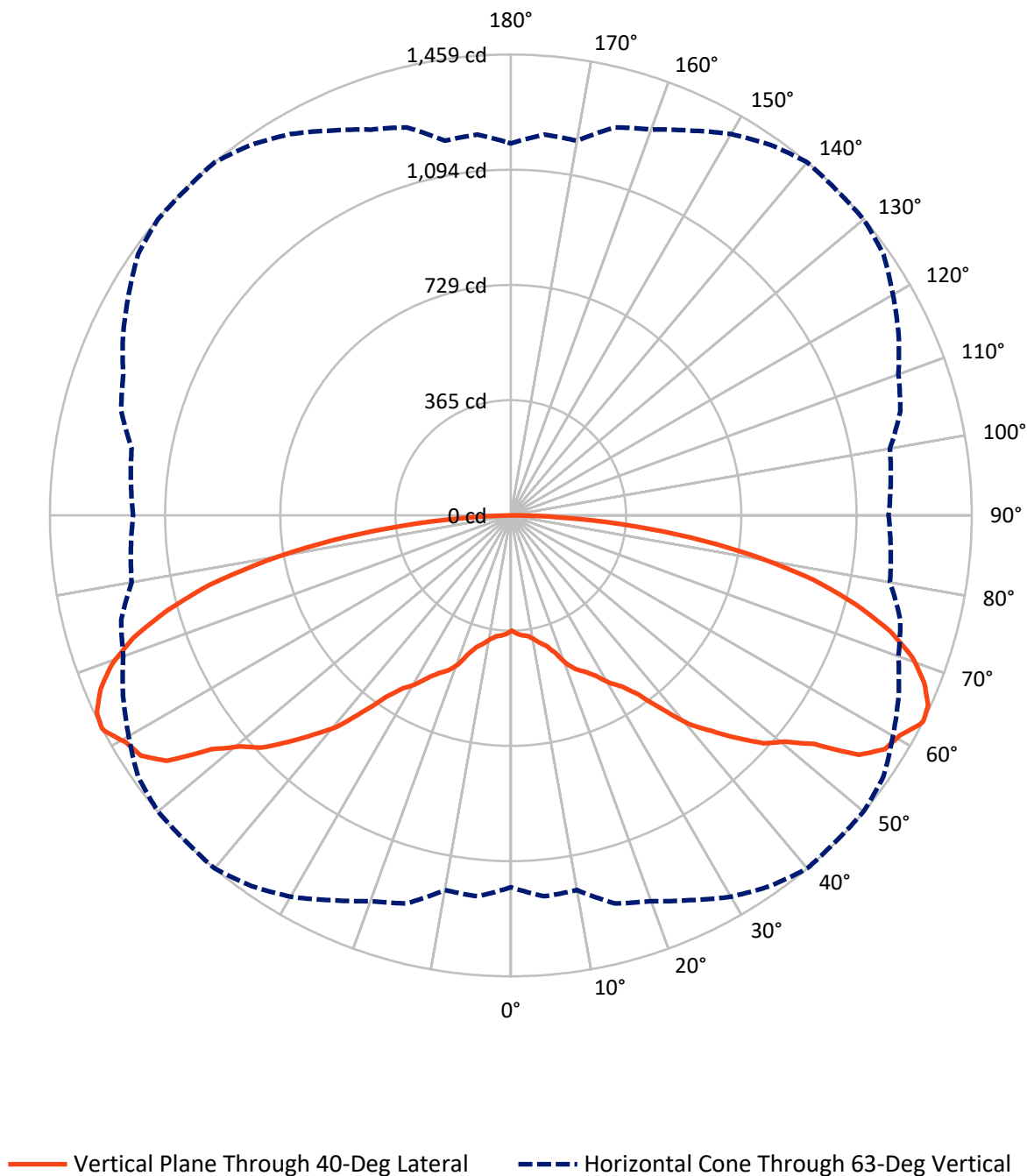


Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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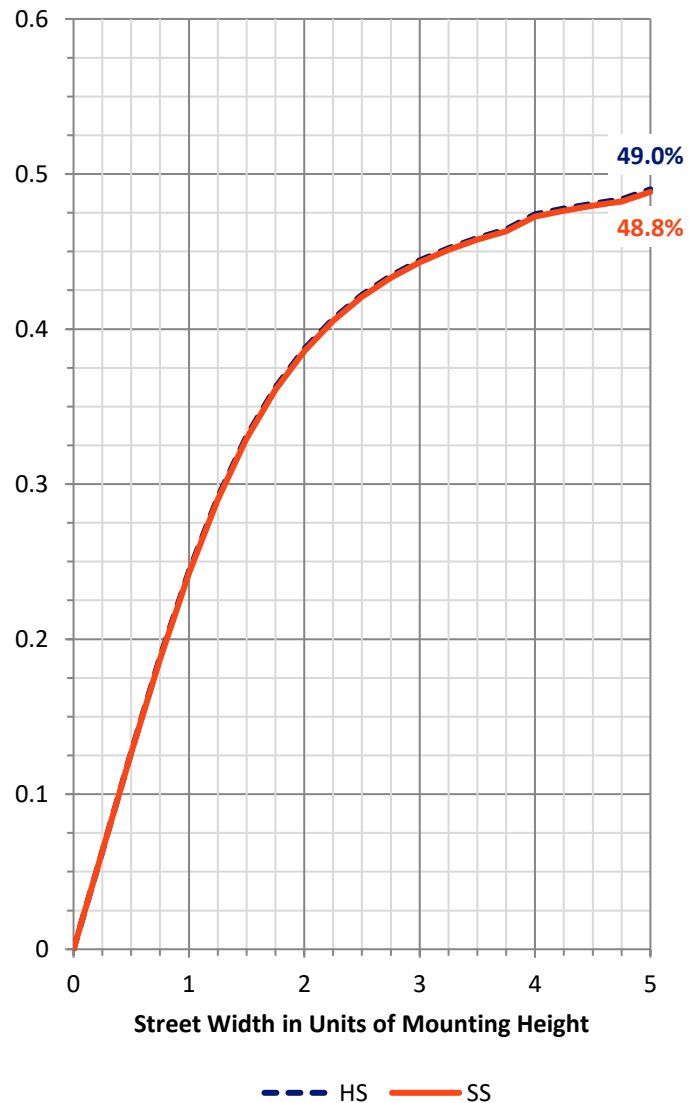
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2677.6	0.0	2677.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2677.6	0.0	2677.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	5355.3	0.0	5355.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.8	0.7
10°-20°	125.1	2.3
20°-30°	254.4	4.7
30°-40°	438.4	8.2
40°-50°	738.5	13.8
50°-60°	1087.4	20.3
60°-70°	1293.1	24.1
70°-80°	1046.8	19.5
80°-90°	334.9	6.3
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°	5355.3	100.0
0°-180°	5355.3	100.0

Coefficient of Utilization



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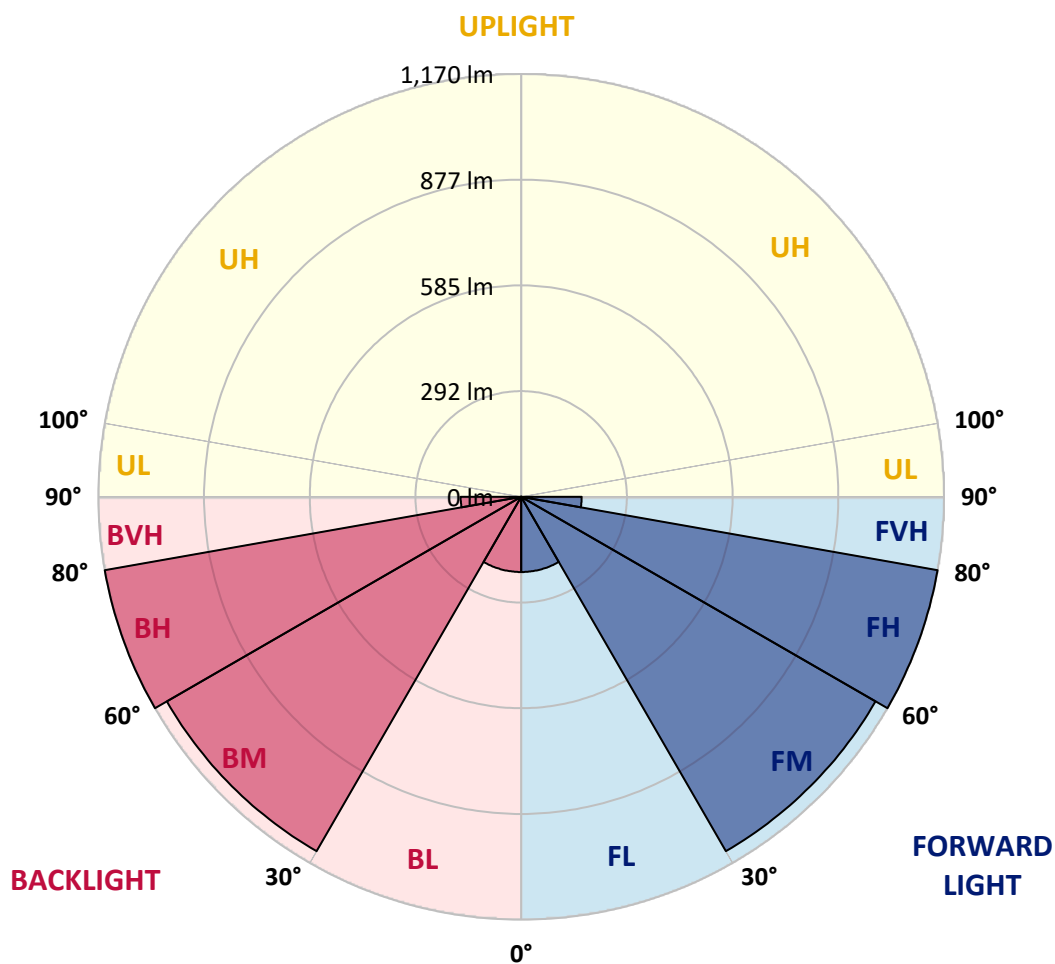
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	208.1	3.9			
FM	(30°-60°)	1132.1	21.1			
FH	(60°-80°)	1169.9	21.8			G1/1800
FVH	(80°-90°)	167.4	3.1			G2/225
BL	(0°-30°)	208.1	3.9	B1/500		
BM	(30°-60°)	1132.1	21.1	B2/2500		
BH	(60°-80°)	1169.9	21.8	B3/2500		G1/1800
BVH	(80°-90°)	167.4	3.1			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	364.6	364.6	364.6	364.6	364.6	364.6	364.6	364.6	364.6	364.6	364.6
2.5°	376.0	376.0	376.0	376.0	376.0	376.0	375.0	376.0	375.0	375.0	375.0
5°	383.2	383.2	383.2	383.2	382.3	382.3	381.2	381.2	381.2	380.1	381.2
7.5°	386.4	386.4	386.4	386.4	385.3	385.3	385.3	385.3	385.3	385.3	385.3
10°	393.6	393.6	394.7	395.7	397.7	397.7	397.7	398.8	397.7	397.7	397.7
12.5°	409.2	408.1	410.2	412.3	414.4	415.3	415.3	415.3	414.4	414.4	415.3
15°	430.9	428.9	429.8	430.9	432.0	433.0	433.0	432.0	429.8	429.8	429.8
17.5°	458.9	455.8	454.7	453.7	453.7	455.8	457.8	456.9	457.8	456.9	457.8
20°	492.0	489.9	489.9	489.9	491.0	495.1	499.2	501.4	500.3	498.3	501.4
22.5°	513.8	514.8	520.0	518.9	517.9	522.0	527.2	531.3	529.3	526.3	528.3
25°	537.6	537.6	544.9	548.0	544.9	544.9	546.9	550.0	548.0	545.9	548.0
27.5°	564.5	564.5	567.7	570.8	568.6	568.6	571.8	577.0	575.9	574.9	575.9
30°	596.6	592.5	589.4	594.6	599.8	600.8	603.9	612.2	614.3	613.2	615.3
32.5°	626.7	620.4	622.6	625.6	637.1	641.2	640.1	646.4	645.3	642.3	646.4
35°	655.7	662.9	667.1	673.3	677.4	682.6	682.6	694.0	696.1	693.0	696.1
37.5°	711.7	714.7	726.2	727.1	732.3	752.0	754.0	769.6	777.9	773.8	774.8
40°	788.3	787.2	795.6	808.0	818.4	843.1	850.5	860.7	868.0	865.0	869.1
42.5°	850.5	842.2	848.3	875.3	886.7	905.3	914.7	919.9	933.3	929.2	934.4
45°	895.0	898.0	906.4	933.3	940.5	956.1	977.8	987.1	1004.7	999.6	1002.7
47.5°	938.5	953.0	960.2	972.6	995.4	1016.2	1043.1	1052.4	1077.3	1075.2	1072.1
50°	995.4	1006.8	1015.1	1024.4	1055.6	1089.7	1112.5	1116.6	1125.0	1118.7	1129.1
52.5°	1056.5	1055.6	1062.8	1088.6	1132.2	1145.6	1165.3	1184.0	1201.6	1207.8	1201.6
55°	1137.4	1111.4	1141.5	1178.8	1197.4	1229.5	1277.2	1303.1	1337.3	1342.5	1332.1
57.5°	1170.5	1170.5	1201.6	1223.3	1257.5	1314.5	1365.3	1377.7	1395.3	1385.9	1396.3
60°	1166.4	1205.7	1205.7	1244.1	1300.0	1350.8	1369.4	1390.1	1413.9	1412.9	1412.9
62.5°	1171.6	1209.8	1199.5	1265.8	1300.0	1341.4	1382.9	1421.2	1454.4	1453.3	1452.3
63°	1176.7	1209.8	1203.7	1271.0	1298.9	1343.4	1393.2	1431.5	1458.5	1456.4	1457.4
65°	1192.3	1182.9	1220.2	1262.7	1294.8	1361.1	1402.6	1432.5	1451.2	1450.1	1450.1
67.5°	1163.2	1141.5	1194.4	1210.9	1272.0	1331.0	1363.2	1397.4	1410.8	1410.8	1408.7
70°	1074.2	1083.4	1119.8	1146.7	1208.8	1261.7	1288.6	1332.1	1348.6	1348.6	1347.7
72.5°	984.1	999.6	1024.4	1062.8	1121.8	1163.2	1195.3	1234.7	1256.5	1255.4	1255.4
75°	869.1	883.6	912.5	948.9	1000.6	1041.1	1066.9	1104.2	1129.1	1138.4	1128.0
77.5°	739.6	743.8	770.7	808.0	853.5	881.5	920.9	957.2	977.8	976.8	973.7
80°	582.2	587.3	610.2	652.5	677.4	710.6	746.8	766.5	784.1	784.1	782.0
82.5°	401.9	413.3	436.1	464.1	489.9	518.9	538.6	558.4	572.9	571.8	568.6
85°	226.8	232.0	253.7	271.4	291.0	309.7	323.1	335.6	348.0	348.0	345.9
87.5°	68.3	61.1	73.5	80.8	91.1	100.4	106.7	119.1	127.5	118.1	118.1
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°	364.6	364.6	364.6	364.6	364.6	364.6	364.6	364.6
2.5°	376.0	376.0	376.0	376.0	376.0	376.0	376.0	376.0
5°	381.2	382.3	382.3	383.2	383.2	383.2	383.2	383.2
7.5°	385.3	385.3	385.3	385.3	386.4	386.4	386.4	386.4
10°	397.7	398.8	397.7	397.7	395.7	394.7	394.7	394.7
12.5°	415.3	416.4	416.4	414.4	412.3	410.2	409.2	408.1
15°	432.0	435.0	433.0	432.0	429.8	430.9	430.9	432.0
17.5°	457.8	458.9	455.8	453.7	452.6	454.7	456.9	457.8
20°	502.4	500.3	494.2	492.0	489.9	489.9	492.0	492.0
22.5°	530.4	525.2	521.1	518.9	518.9	518.9	515.9	511.7
25°	550.0	546.9	543.8	545.9	548.0	544.9	537.6	536.5
27.5°	577.0	570.8	569.7	568.6	569.7	567.7	566.6	562.5
30°	612.2	603.9	601.8	599.8	593.5	591.5	593.5	596.6
32.5°	645.3	640.1	642.3	638.0	626.7	622.6	624.6	623.6
35°	693.0	683.7	683.7	675.3	672.3	671.2	662.9	655.7
37.5°	768.6	756.2	753.1	734.4	726.2	728.2	716.9	708.5
40°	860.7	851.5	843.1	822.5	811.0	796.5	789.3	789.3
42.5°	921.9	915.7	904.3	889.8	877.4	852.5	843.1	848.3
45°	989.3	981.0	957.2	942.6	931.2	913.6	903.2	892.9
47.5°	1057.6	1046.3	1018.3	999.6	972.6	967.4	956.1	941.6
50°	1117.7	1113.5	1093.8	1062.8	1028.6	1020.3	1009.9	996.5
52.5°	1191.2	1166.4	1149.8	1136.3	1098.0	1071.0	1056.5	1062.8
55°	1311.3	1280.3	1237.8	1195.3	1187.1	1155.0	1118.7	1138.4
57.5°	1380.7	1363.2	1331.0	1263.8	1230.6	1208.8	1185.0	1167.4
60°	1397.4	1365.3	1358.0	1307.2	1254.4	1208.8	1218.1	1176.7
62.5°	1429.5	1385.9	1345.6	1305.2	1273.1	1210.9	1208.8	1187.1
63°	1439.9	1396.3	1353.8	1305.2	1276.2	1218.1	1206.8	1195.3
65°	1437.7	1400.4	1368.3	1305.2	1261.7	1238.9	1182.9	1208.8
67.5°	1398.4	1367.3	1330.0	1286.5	1214.0	1196.4	1157.1	1162.3
70°	1335.2	1294.8	1259.6	1219.2	1161.2	1120.7	1097.0	1077.3
72.5°	1236.8	1200.5	1163.2	1125.9	1074.2	1025.5	1009.0	987.1
75°	1106.3	1071.0	1036.9	1001.6	953.0	909.5	891.9	876.3
77.5°	957.2	927.1	878.4	845.3	817.3	770.7	754.0	737.5
80°	763.4	749.0	713.7	670.2	655.7	610.2	597.7	575.9
82.5°	555.2	540.7	512.7	482.7	465.1	441.3	420.5	406.0
85°	338.7	323.1	308.6	281.7	271.4	253.7	237.2	229.0
87.5°	122.3	109.8	98.4	85.9	79.8	67.3	65.3	59.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)