

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: P197807

Luminaire Tested: **TT-C3-LED-E1-WQ-CG-LWR-LW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197807
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115528)
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-LWR-LW-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH CLEAR GLASS LENS AND LumaWatt WIRELESS SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4786.6 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - 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



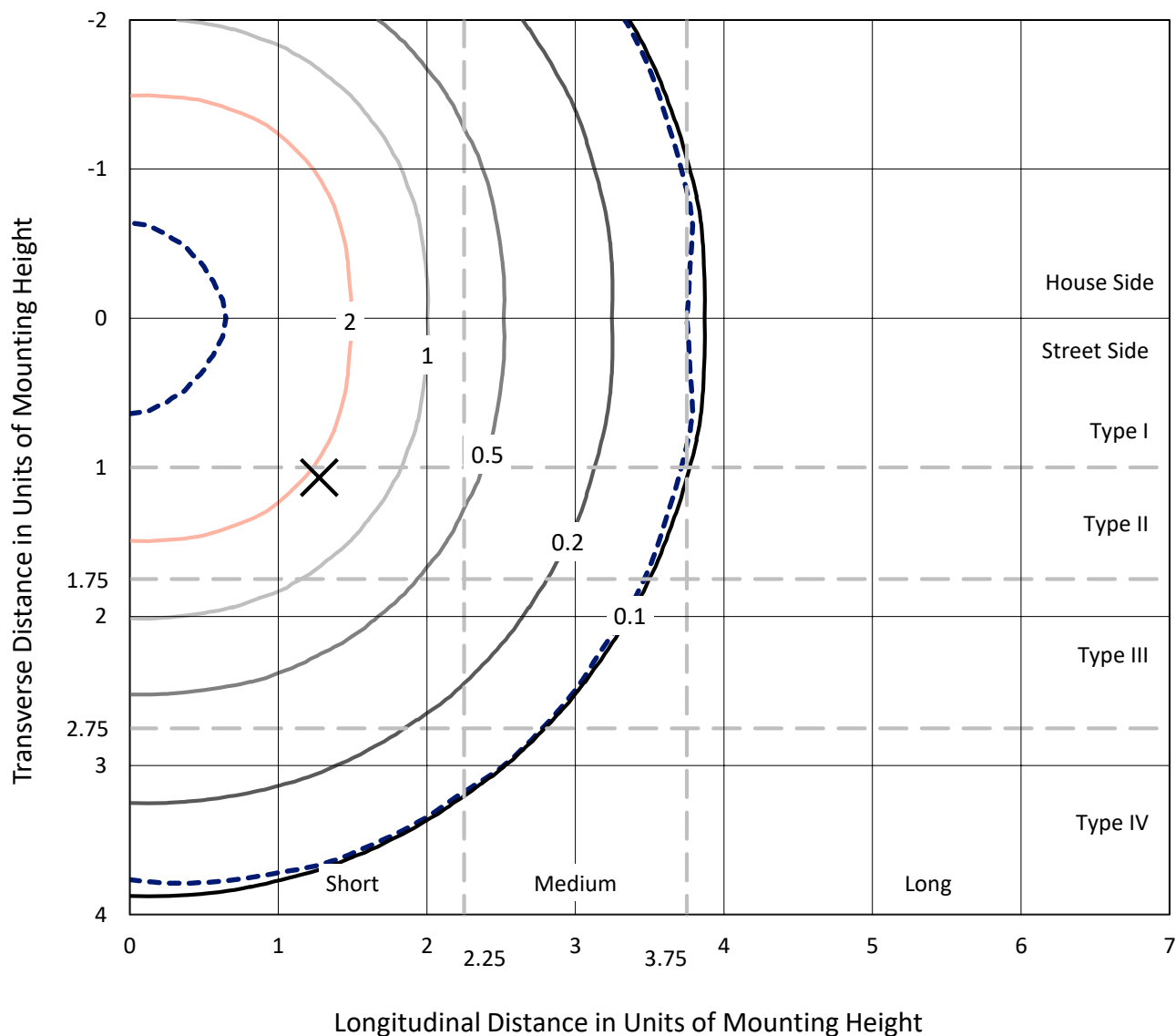
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

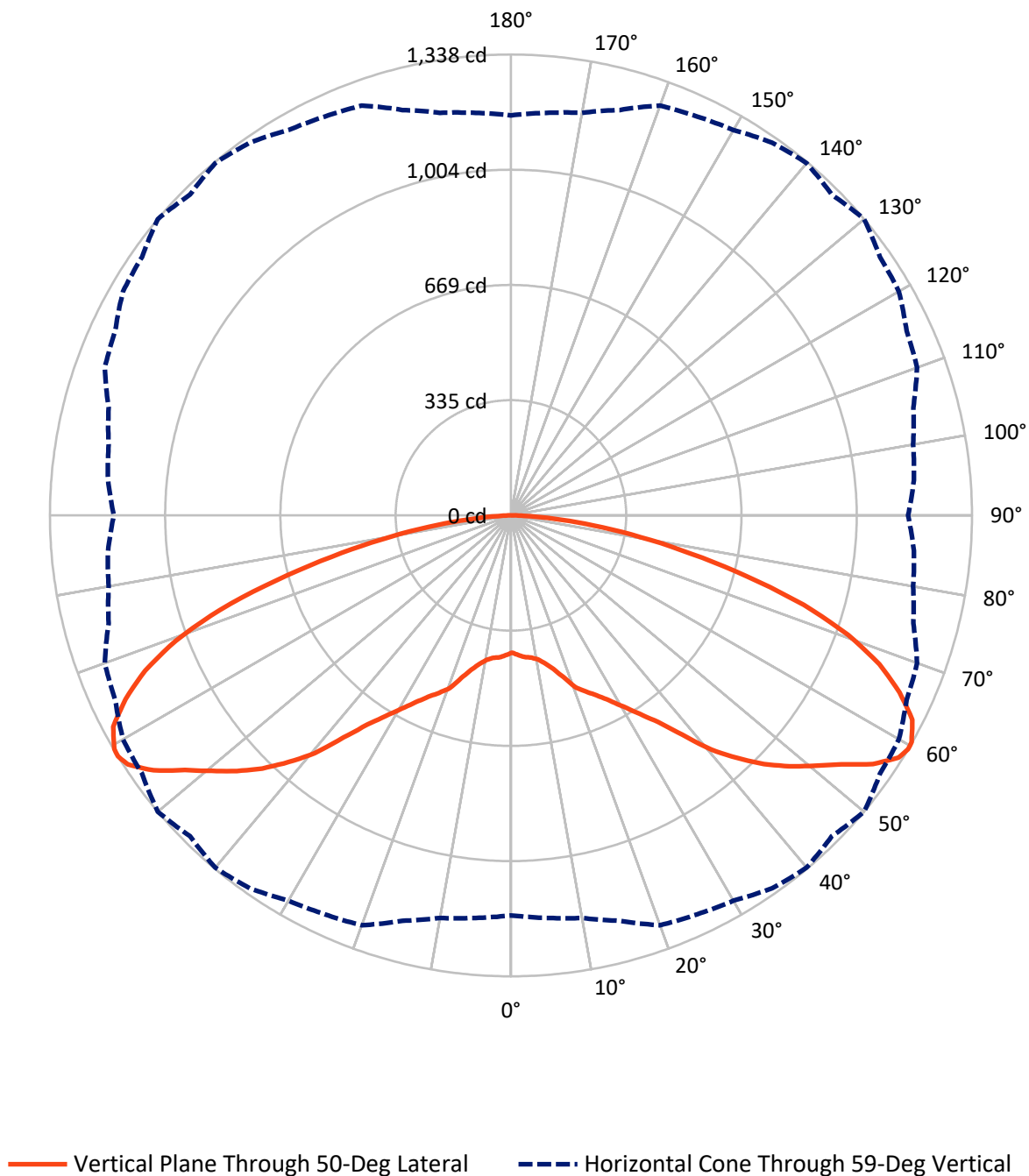


Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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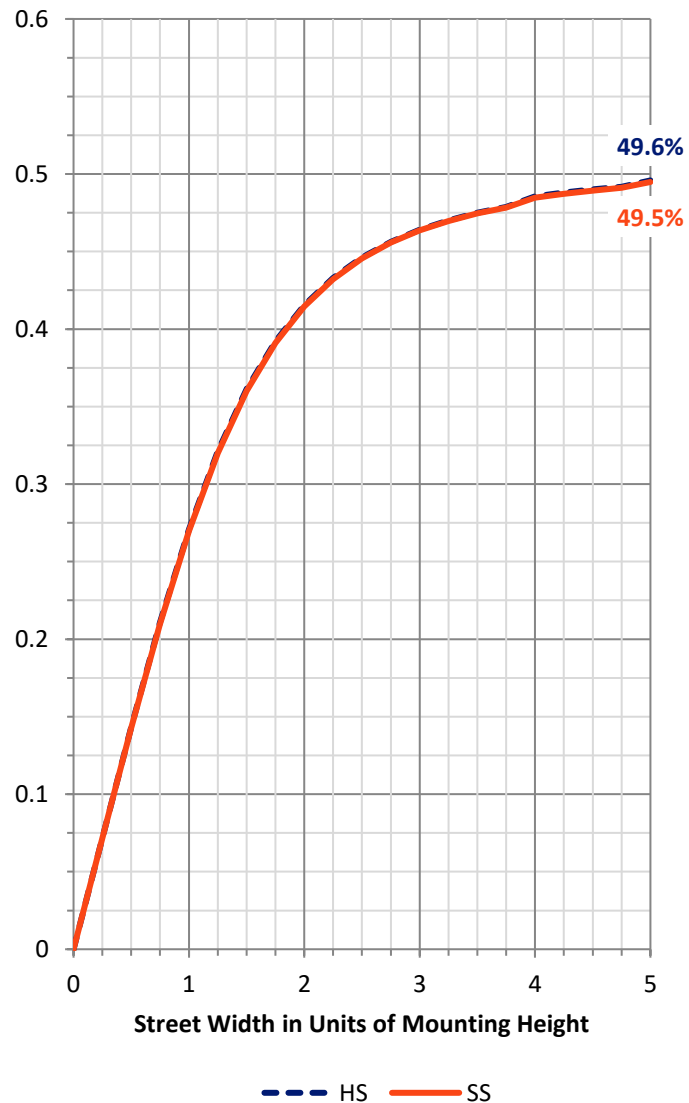
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2393.3	0.0	2393.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2393.3	0.0	2393.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	4786.6	0.0	4786.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.6	0.8
10°-20°	133.7	2.8
20°-30°	269.0	5.6
30°-40°	463.0	9.7
40°-50°	764.3	16.0
50°-60°	1076.3	22.5
60°-70°	1151.4	24.1
70°-80°	731.3	15.3
80°-90°	158.0	3.3
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°	4786.6	100.0
0°-180°	4786.6	100.0

Coefficient of Utilization



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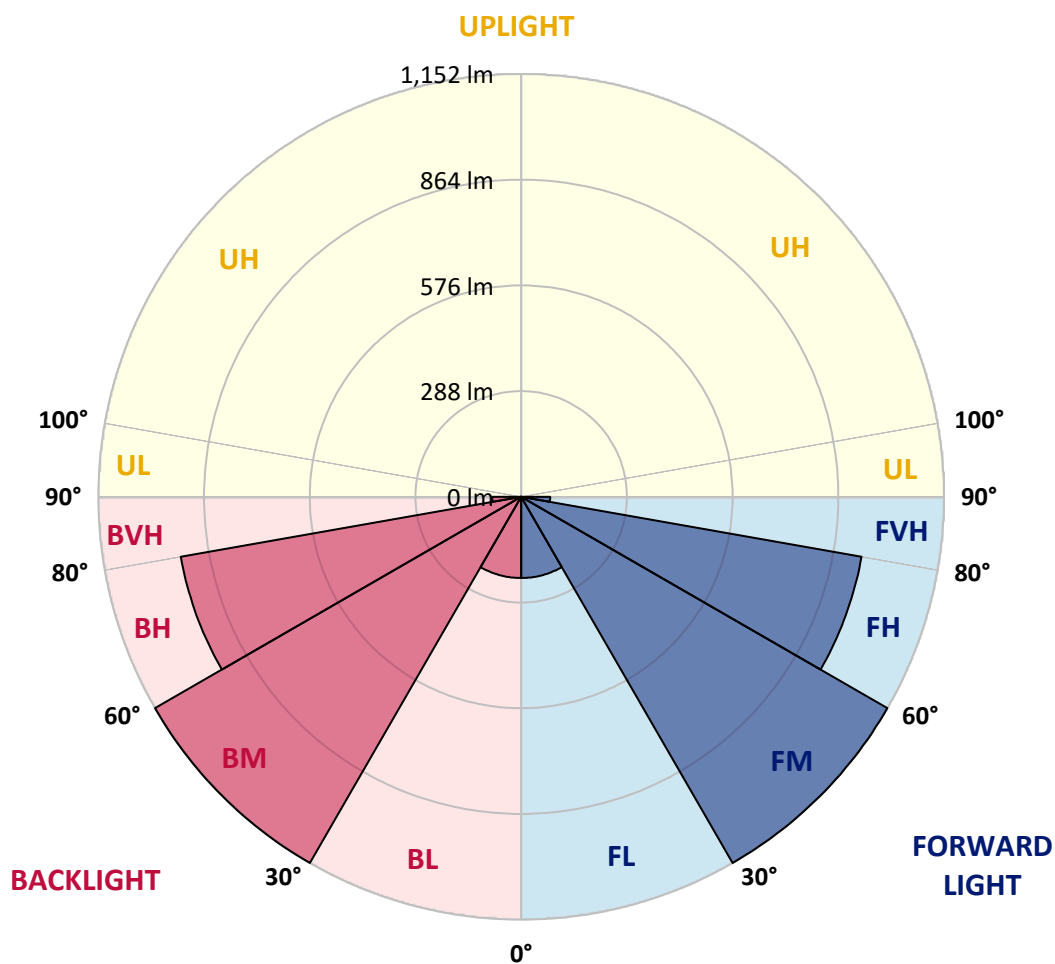
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	221.2	4.6			
FM	(30°-60°)	1151.8	24.1			
FH	(60°-80°)	941.4	19.7			G1/1800
FVH	(80°-90°)	79.0	1.7			G1/100
BL	(0°-30°)	221.2	4.6	B1/500		
BM	(30°-60°)	1151.8	24.1	B2/2500		
BH	(60°-80°)	941.4	19.7	B2/1000		G1/1800
BVH	(80°-90°)	79.0	1.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4
2.5°	406.8	405.8	405.8	405.8	405.8	405.8	405.8	405.8	405.8	405.8	405.8
5°	409.0	409.0	410.0	410.0	411.1	411.1	411.1	412.1	412.1	412.1	413.2
7.5°	413.2	412.1	413.2	413.2	413.2	414.3	414.3	414.3	415.3	416.4	416.4
10°	427.0	425.9	427.0	427.0	427.0	424.9	424.9	425.9	424.9	424.9	424.9
12.5°	442.9	442.9	443.9	445.0	445.0	443.9	442.9	441.8	440.8	440.8	440.8
15°	457.7	458.8	459.8	461.9	463.0	463.0	464.1	465.1	464.1	464.1	463.0
17.5°	481.0	483.1	484.2	485.2	485.2	485.2	487.4	490.5	493.7	495.8	493.7
20°	520.2	521.3	523.4	523.4	522.3	523.4	525.5	526.6	528.7	530.8	531.9
22.5°	546.7	548.8	552.0	552.0	550.9	552.0	554.1	554.1	552.0	553.1	555.2
25°	568.9	570.0	572.1	573.2	574.2	579.5	583.8	582.7	578.5	579.5	578.5
27.5°	595.4	597.6	599.7	599.7	599.7	602.9	607.1	609.2	612.4	611.3	608.2
30°	630.4	633.6	634.6	633.6	635.7	638.9	637.8	639.9	645.2	650.5	644.2
32.5°	657.9	661.1	664.3	668.5	676.0	680.2	678.1	679.1	682.3	686.6	686.6
35°	699.3	704.6	706.7	707.7	715.2	723.6	730.0	735.3	734.2	731.1	736.3
37.5°	761.8	767.1	769.2	773.4	783.0	785.1	794.6	807.3	811.6	807.3	807.3
40°	828.5	833.8	844.4	854.0	868.8	872.0	883.6	888.9	899.5	900.6	894.2
42.5°	883.6	890.0	892.1	908.0	928.1	943.0	955.7	956.7	964.1	970.5	963.1
45°	943.0	948.2	951.4	966.3	976.9	994.9	1015.0	1023.5	1026.7	1025.6	1029.8
47.5°	998.0	1005.5	1008.6	1020.3	1033.0	1047.8	1059.5	1083.9	1089.2	1078.6	1088.1
50°	1031.9	1040.4	1047.8	1073.3	1095.5	1107.2	1116.7	1136.8	1148.5	1139.0	1142.1
52.5°	1084.9	1087.0	1093.4	1104.0	1136.8	1176.0	1186.6	1193.0	1209.9	1215.2	1200.4
55°	1157.0	1164.4	1169.7	1183.5	1197.2	1224.8	1271.4	1279.9	1275.6	1301.1	1274.6
57.5°	1167.6	1181.3	1197.2	1228.0	1255.5	1264.0	1291.5	1324.4	1321.2	1324.4	1326.5
59°	1161.2	1172.9	1186.6	1218.4	1266.1	1277.8	1291.5	1321.2	1335.0	1317.0	1338.1
60°	1163.3	1171.8	1179.2	1204.6	1255.5	1282.0	1290.5	1308.5	1335.0	1310.6	1336.0
62.5°	1154.9	1165.4	1173.9	1188.8	1213.1	1250.2	1283.0	1274.6	1312.7	1293.6	1307.4
65°	1109.3	1120.9	1137.9	1159.1	1187.7	1198.3	1231.1	1249.1	1240.7	1261.9	1239.6
67.5°	1033.0	1043.6	1054.2	1079.6	1111.4	1125.2	1133.7	1166.5	1154.9	1179.2	1153.8
70°	931.3	943.0	957.8	971.6	1000.2	1011.8	1021.4	1036.2	1040.4	1040.4	1038.3
72.5°	809.5	819.0	828.5	842.3	859.3	869.8	874.1	877.3	894.2	887.9	888.9
75°	671.7	681.3	685.5	690.8	702.4	701.4	705.6	703.5	714.1	709.9	707.7
77.5°	525.5	528.7	540.3	540.3	537.2	542.5	537.2	534.0	531.9	534.0	534.0
80°	364.5	374.0	381.4	386.7	388.8	386.7	387.8	383.5	383.5	380.4	381.4
82.5°	224.6	234.1	237.3	242.6	243.7	243.7	243.7	240.5	241.6	238.4	240.5
85°	110.2	110.2	114.4	119.7	120.8	122.9	122.9	122.9	122.9	122.9	124.0
87.5°	27.5	27.5	29.7	32.8	32.8	33.9	35.0	36.0	36.0	37.1	37.1
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°	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4
2.5°	405.8	405.8	405.8	405.8	405.8	405.8	405.8	405.8
5°	413.2	412.1	412.1	411.1	411.1	410.0	410.0	410.0
7.5°	417.4	417.4	416.4	415.3	414.3	414.3	415.3	415.3
10°	425.9	428.0	429.1	429.1	428.0	428.0	427.0	427.0
12.5°	439.7	441.8	443.9	446.0	446.0	445.0	442.9	441.8
15°	460.9	460.9	461.9	463.0	463.0	460.9	456.6	456.6
17.5°	489.5	487.4	484.2	485.2	486.3	485.2	481.0	483.1
20°	528.7	524.5	522.3	520.2	524.5	524.5	518.1	518.1
22.5°	557.3	554.1	548.8	547.8	550.9	553.1	547.8	544.6
25°	581.7	582.7	576.4	573.2	574.2	575.3	567.9	568.9
27.5°	608.2	609.2	606.0	600.7	598.6	601.8	596.5	594.4
30°	639.9	638.9	641.0	634.6	629.3	632.5	632.5	627.2
32.5°	681.3	678.1	679.1	671.7	665.4	664.3	660.1	653.7
35°	737.4	728.9	722.6	718.3	706.7	704.6	704.6	697.1
37.5°	810.5	797.8	786.1	786.1	768.1	762.8	766.0	756.5
40°	892.1	887.9	869.8	866.7	847.6	834.9	834.9	823.2
42.5°	951.4	956.7	935.5	922.8	910.1	890.0	892.1	877.3
45°	1016.1	1012.9	994.9	972.6	968.4	947.2	949.3	934.5
47.5°	1077.5	1058.4	1050.0	1027.7	1018.2	993.8	1001.2	989.6
50°	1136.8	1115.6	1107.2	1080.7	1068.0	1041.5	1042.5	1021.4
52.5°	1198.3	1179.2	1166.5	1132.6	1110.4	1091.3	1087.0	1077.5
55°	1277.8	1257.6	1226.9	1195.1	1178.2	1150.6	1153.8	1139.0
57.5°	1308.5	1295.8	1262.9	1243.8	1212.1	1184.5	1178.2	1151.7
59°	1307.4	1300.0	1267.2	1254.4	1208.9	1185.6	1173.9	1152.7
60°	1300.0	1297.9	1265.0	1249.1	1201.5	1180.3	1169.7	1155.9
62.5°	1277.8	1276.7	1239.6	1220.5	1181.3	1164.4	1158.0	1140.0
65°	1244.9	1226.9	1198.3	1185.6	1145.3	1132.6	1114.6	1096.6
67.5°	1166.5	1126.2	1122.0	1106.1	1071.2	1055.3	1043.6	1026.7
70°	1037.2	1010.8	1010.8	990.6	966.3	958.8	943.0	923.9
72.5°	876.2	869.8	873.0	849.7	838.1	833.8	820.0	803.1
75°	700.3	701.4	698.2	692.9	689.7	690.8	676.0	668.5
77.5°	530.8	540.3	538.2	530.8	538.2	537.2	524.5	521.3
80°	378.2	382.5	384.6	380.4	384.6	381.4	370.8	369.8
82.5°	238.4	239.4	241.6	237.3	238.4	237.3	229.9	229.9
85°	121.8	126.1	120.8	116.5	116.5	112.3	110.2	111.2
87.5°	36.0	38.1	33.9	33.9	31.8	29.7	28.6	28.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)