

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: P197835

Luminaire Tested: **TT-C4-LED-E1-WQ-CG-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197835
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-C4-LED-E1-WQ-CG-MS/DIM-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (160) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6344.9 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 58
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



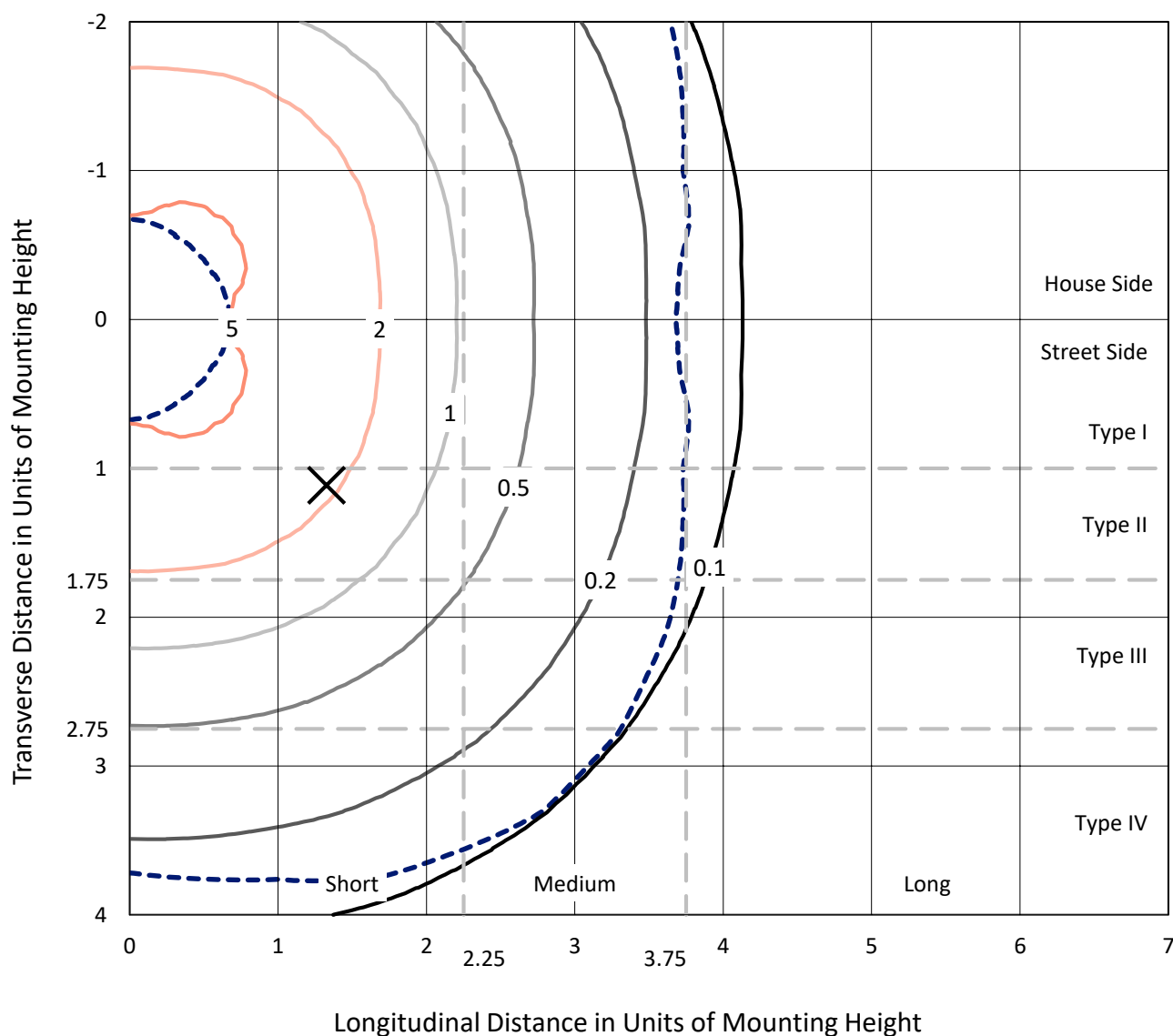
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

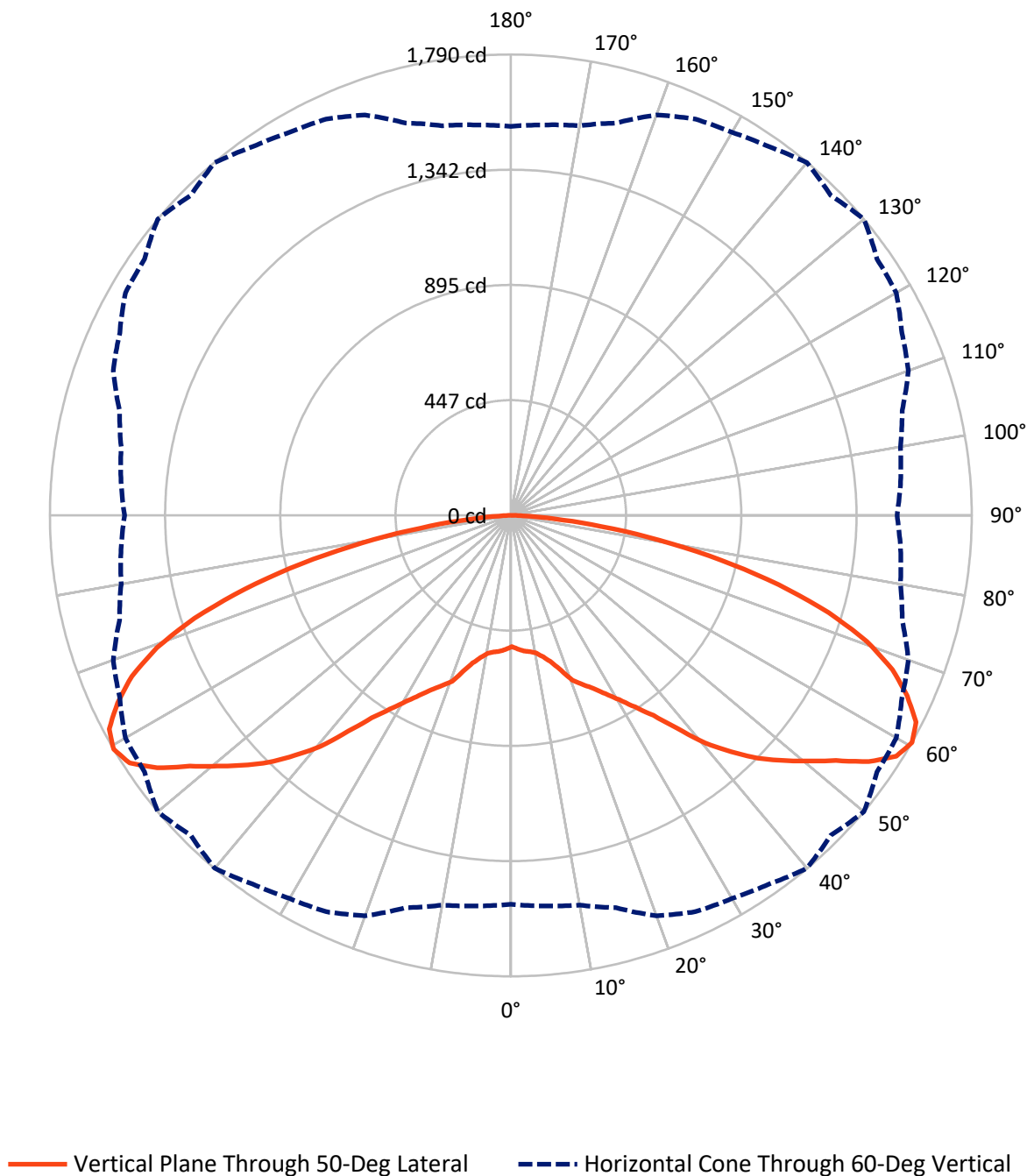


Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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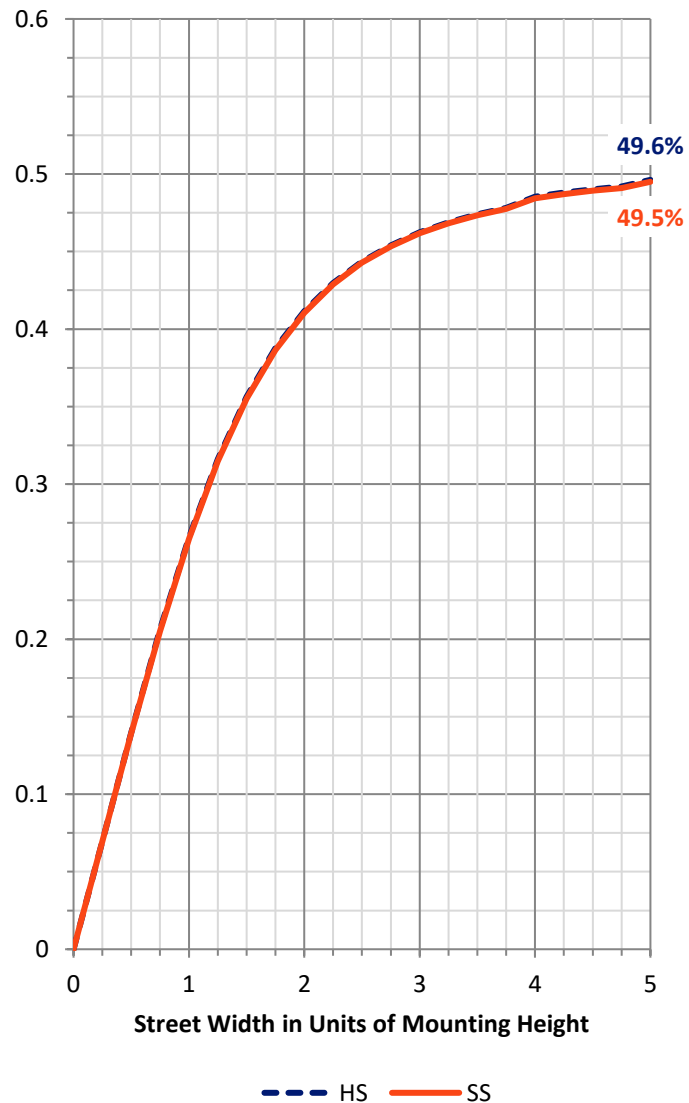
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3172.5	0.0	3172.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3172.5	0.0	3172.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6344.9	0.0	6344.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.7	0.8
10°-20°	171.2	2.7
20°-30°	345.6	5.4
30°-40°	597.3	9.4
40°-50°	992.1	15.6
50°-60°	1410.0	22.2
60°-70°	1540.1	24.3
70°-80°	1023.1	16.1
80°-90°	214.8	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°	6344.9	100.0
0°-180°	6344.9	100.0

Coefficient of Utilization



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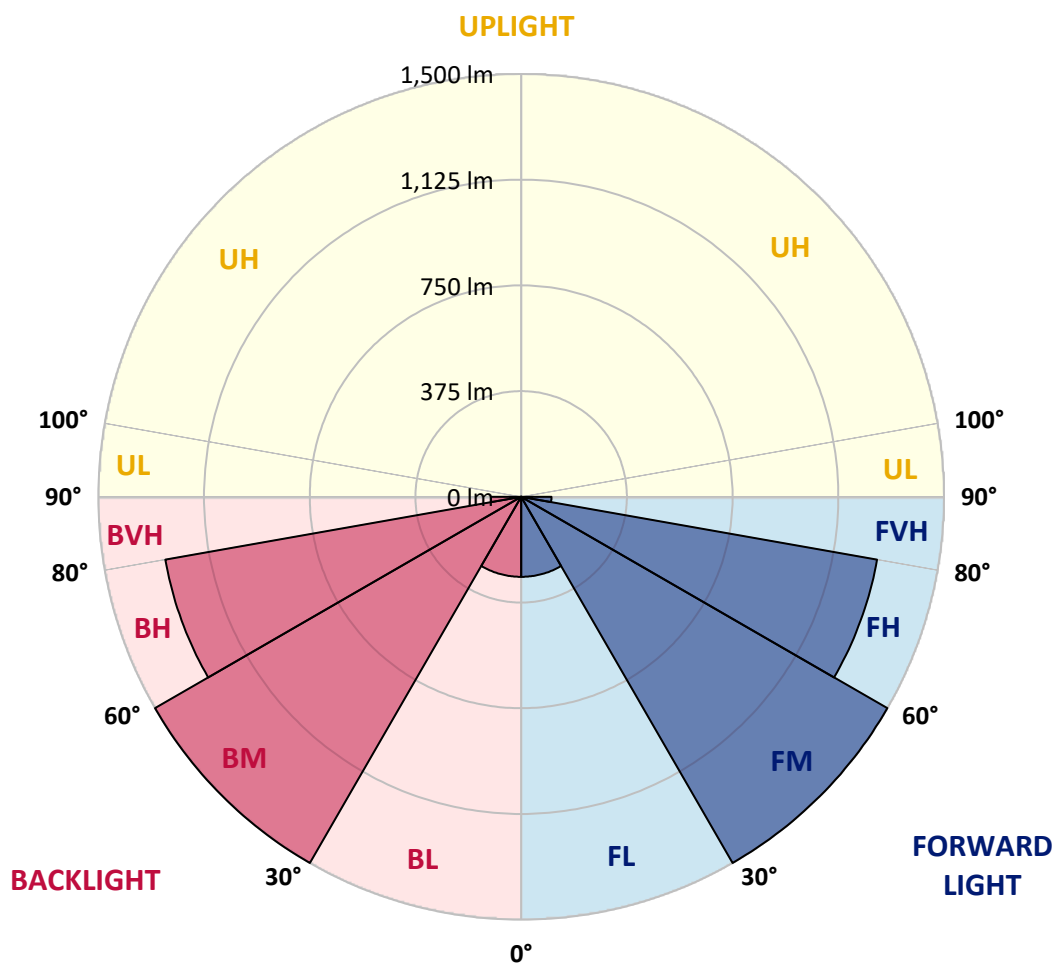
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	283.7	4.5			
FM	(30°-60°)	1499.7	23.6			
FH	(60°-80°)	1281.6	20.2			G1/1800
FVH	(80°-90°)	107.4	1.7			G2/225
BL	(0°-30°)	283.7	4.5	B1/500		
BM	(30°-60°)	1499.7	23.6	B2/2500		
BH	(60°-80°)	1281.6	20.2	B3/2500		G1/1800
BVH	(80°-90°)	107.4	1.7			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°	509.1	509.1	509.1	509.1	509.1	509.1	509.1	509.1	509.1	509.1	509.1
2.5°	519.6	519.6	519.6	519.6	519.6	519.6	519.6	519.6	518.3	519.6	519.6
5°	524.8	524.8	524.8	526.1	526.1	526.1	527.5	527.5	527.5	528.8	528.8
7.5°	528.8	528.8	528.8	528.8	530.1	530.1	530.1	531.4	531.4	532.7	534.0
10°	545.8	545.8	545.8	545.8	545.8	544.5	544.5	544.5	543.2	543.2	543.2
12.5°	566.8	568.1	569.4	569.4	569.4	569.4	566.8	564.2	564.2	564.2	564.2
15°	586.5	587.8	589.1	591.7	593.1	594.4	594.4	594.4	594.4	594.4	591.7
17.5°	618.0	619.3	619.3	620.6	621.9	621.9	623.2	627.2	632.4	635.0	632.4
20°	666.5	669.2	670.5	670.5	671.8	670.5	673.1	675.7	679.7	682.3	683.6
22.5°	702.0	704.6	708.5	708.5	708.5	707.2	709.8	711.1	709.8	709.8	712.5
25°	729.5	732.1	734.8	736.1	738.7	743.9	749.2	749.2	745.3	743.9	743.9
27.5°	764.9	768.9	768.9	770.2	772.8	776.7	782.0	785.9	788.6	785.9	784.6
30°	810.9	813.5	814.8	813.5	818.7	820.0	821.4	824.0	831.9	837.1	830.5
32.5°	846.3	850.2	854.2	859.4	871.2	876.5	875.2	877.8	880.4	885.6	887.0
35°	900.1	906.6	908.0	911.9	926.3	934.2	946.0	952.6	951.3	944.7	953.9
37.5°	981.4	989.3	990.6	997.2	1011.6	1018.2	1031.3	1048.3	1052.3	1043.1	1048.3
40°	1066.7	1077.2	1086.4	1100.8	1124.4	1132.3	1148.1	1157.2	1170.4	1171.7	1162.5
42.5°	1138.9	1150.7	1150.7	1175.6	1201.9	1224.2	1243.8	1245.2	1254.3	1267.5	1254.3
45°	1216.3	1225.5	1229.4	1250.4	1266.1	1295.0	1323.9	1334.4	1338.3	1340.9	1344.9
47.5°	1287.1	1299.0	1302.9	1321.3	1338.3	1364.6	1382.9	1414.4	1422.3	1411.8	1422.3
50°	1331.8	1344.9	1355.4	1393.4	1423.6	1445.9	1461.6	1489.2	1504.9	1497.1	1498.4
52.5°	1401.3	1405.2	1415.7	1436.7	1480.0	1540.4	1558.7	1567.9	1590.2	1602.0	1581.0
55°	1495.8	1508.9	1516.8	1541.7	1564.0	1607.3	1676.8	1691.3	1686.0	1722.7	1687.3
57.5°	1511.5	1531.2	1556.1	1603.4	1642.7	1666.3	1709.6	1759.5	1758.2	1763.4	1764.7
60°	1510.2	1522.0	1536.4	1577.1	1654.5	1697.8	1717.5	1747.7	1788.4	1756.9	1789.7
62.5°	1501.0	1518.1	1533.8	1562.7	1604.7	1666.3	1721.4	1717.5	1772.6	1747.7	1766.0
65°	1445.9	1461.6	1490.5	1528.6	1579.7	1608.6	1663.7	1699.1	1691.3	1725.4	1691.3
67.5°	1350.1	1364.6	1388.2	1432.8	1486.6	1528.6	1548.2	1607.3	1600.7	1638.8	1598.1
70°	1218.9	1237.3	1264.8	1296.3	1348.8	1393.4	1415.7	1453.8	1472.1	1469.5	1466.9
72.5°	1061.5	1077.2	1099.5	1133.6	1178.2	1221.5	1238.6	1267.5	1297.6	1288.5	1291.1
75°	885.6	898.8	915.8	936.8	978.8	1012.9	1032.6	1058.8	1082.5	1075.9	1073.3
77.5°	682.3	698.0	716.4	736.1	753.1	784.6	799.1	817.4	837.1	833.2	834.5
80°	477.6	490.7	502.5	523.5	536.6	547.1	562.9	570.8	585.2	582.6	586.5
82.5°	291.3	300.5	308.3	318.8	330.6	328.0	329.3	338.5	350.3	343.8	354.3
85°	143.0	141.7	149.6	152.2	160.1	158.8	157.4	162.7	169.3	165.3	165.3
87.5°	36.7	36.7	36.7	38.1	42.0	45.9	42.0	44.6	47.2	48.5	47.2
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°	509.1	509.1	509.1	509.1	509.1	509.1	509.1	509.1
2.5°	518.3	519.6	518.3	519.6	519.6	519.6	519.6	518.3
5°	528.8	527.5	527.5	527.5	526.1	524.8	524.8	524.8
7.5°	534.0	534.0	532.7	531.4	530.1	530.1	532.7	531.4
10°	545.8	547.1	548.4	549.8	548.4	547.1	547.1	545.8
12.5°	564.2	565.5	568.1	570.8	570.8	569.4	566.8	565.5
15°	590.4	589.1	590.4	593.1	593.1	589.1	585.2	583.9
17.5°	627.2	623.2	620.6	620.6	623.2	619.3	615.4	616.7
20°	678.3	671.8	670.5	666.5	670.5	670.5	663.9	663.9
22.5°	715.1	709.8	704.6	700.6	705.9	708.5	702.0	696.7
25°	749.2	747.9	740.0	736.1	736.1	737.4	728.2	729.5
27.5°	783.3	783.3	778.1	771.5	768.9	772.8	764.9	762.3
30°	824.0	820.0	824.0	814.8	808.2	812.2	812.2	806.9
32.5°	876.5	871.2	875.2	864.7	855.5	854.2	847.6	839.7
35°	951.3	938.1	931.6	926.3	908.0	906.6	905.3	898.8
37.5°	1045.7	1028.7	1014.2	1015.5	989.3	982.7	982.7	973.6
40°	1158.6	1148.1	1127.1	1119.2	1093.0	1075.9	1074.6	1057.5
42.5°	1237.3	1241.2	1213.7	1195.3	1174.3	1148.1	1149.4	1131.0
45°	1323.9	1316.0	1291.1	1260.9	1251.7	1222.9	1224.2	1205.8
47.5°	1406.5	1377.7	1364.6	1331.8	1317.3	1284.5	1288.5	1275.3
50°	1487.9	1456.4	1442.0	1406.5	1382.9	1348.8	1344.9	1317.3
52.5°	1574.5	1544.3	1524.6	1473.5	1442.0	1415.7	1405.2	1392.1
55°	1687.3	1657.1	1608.6	1558.7	1535.1	1494.4	1490.5	1473.5
57.5°	1737.2	1713.6	1662.4	1629.6	1582.4	1540.4	1524.6	1491.8
60°	1735.9	1728.0	1675.5	1642.7	1573.2	1536.4	1519.4	1499.7
62.5°	1721.4	1712.3	1650.6	1613.8	1550.9	1519.4	1506.3	1481.3
65°	1692.6	1661.1	1606.0	1575.8	1507.6	1480.0	1451.2	1428.8
67.5°	1611.2	1545.6	1520.7	1482.6	1415.7	1386.9	1359.3	1337.0
70°	1459.0	1410.5	1388.2	1340.9	1283.2	1264.8	1230.7	1205.8
72.5°	1264.8	1238.6	1215.0	1163.8	1123.1	1104.8	1070.7	1049.7
75°	1049.7	1033.9	1001.1	963.1	926.3	919.8	883.0	875.2
77.5°	814.8	800.4	774.1	746.6	729.5	716.4	683.6	681.0
80°	570.8	561.6	540.6	528.8	517.0	505.1	482.8	480.2
82.5°	337.2	330.6	332.0	320.1	313.6	311.0	293.9	295.2
85°	162.7	157.4	157.4	157.4	150.9	149.6	139.1	140.4
87.5°	47.2	42.0	42.0	42.0	39.4	39.4	34.1	35.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)