

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: P197541

Luminaire Tested: **TT-C3-LED-E1-5CQ-PM-MS/DIM-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197541  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115423)  
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-E1-5CQ-PM-MS/DIM-8030  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
CONCENTRATED DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR  
Light Source: (168) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5137.5 lumens  
Efficiency: N/A  
Efficacy: 114.2 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

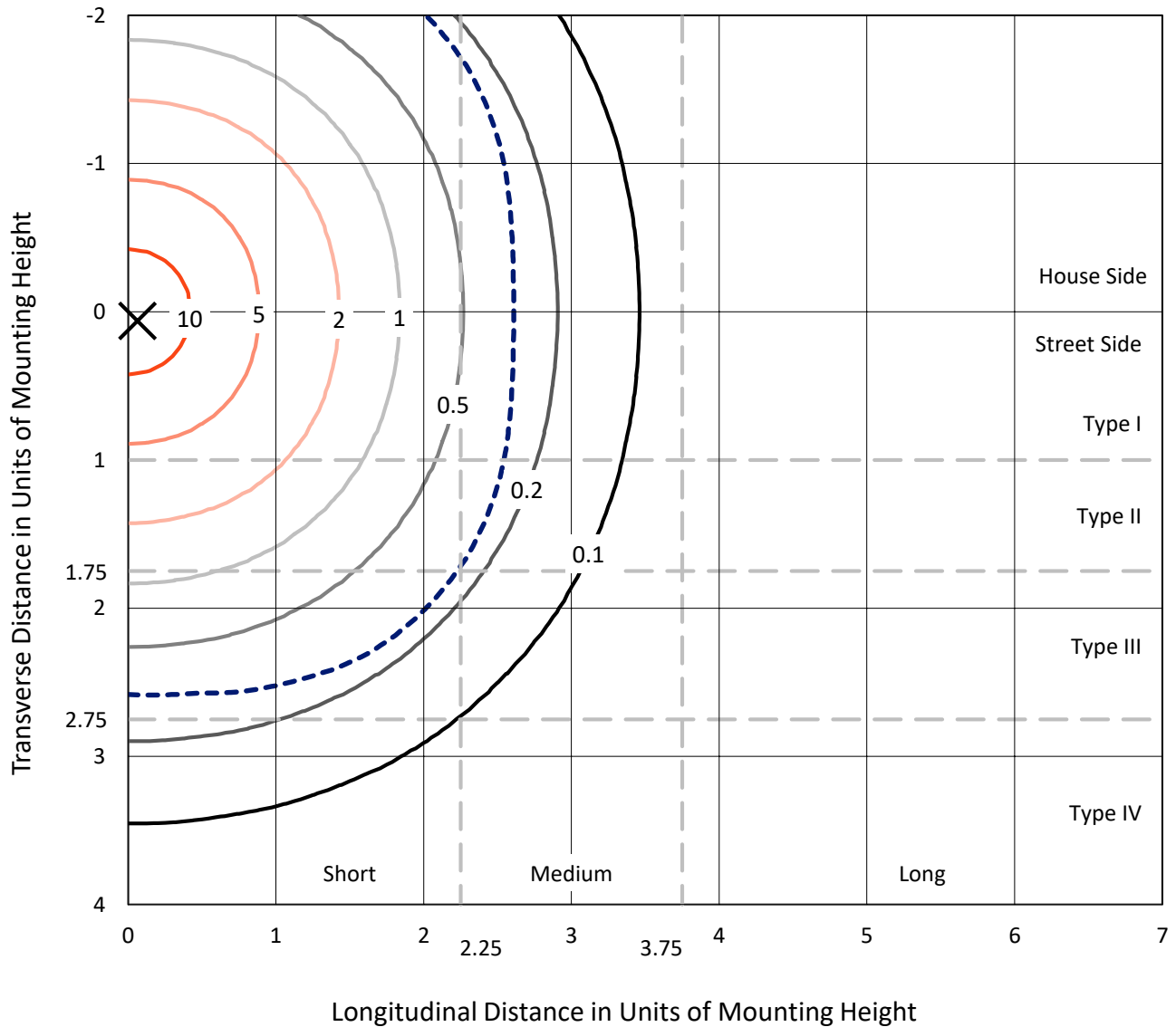


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### Iso-Footcandle Lines of Horizontal Illumination

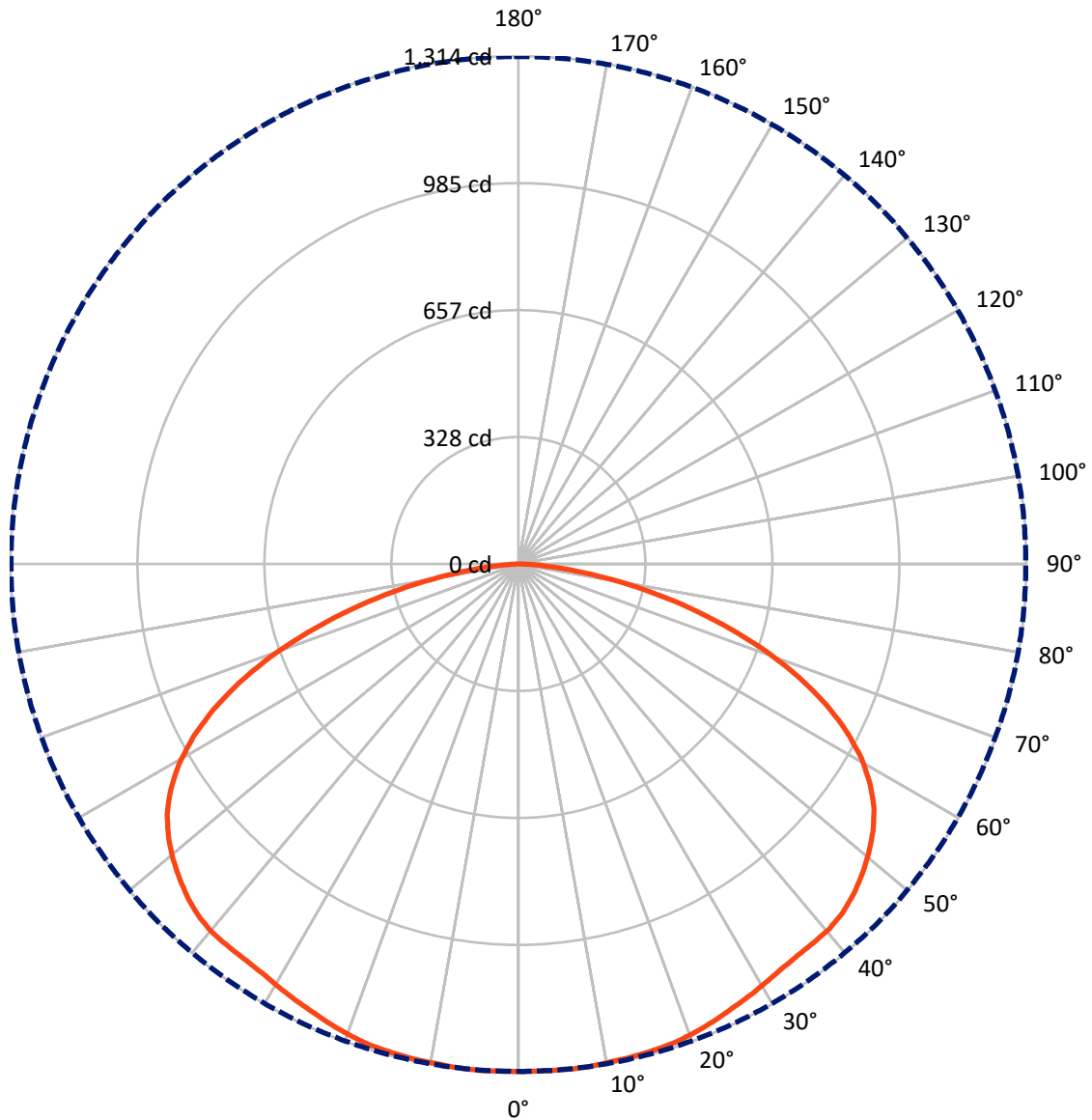
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.1 fc  
 Type V - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 5-Deg Vertical

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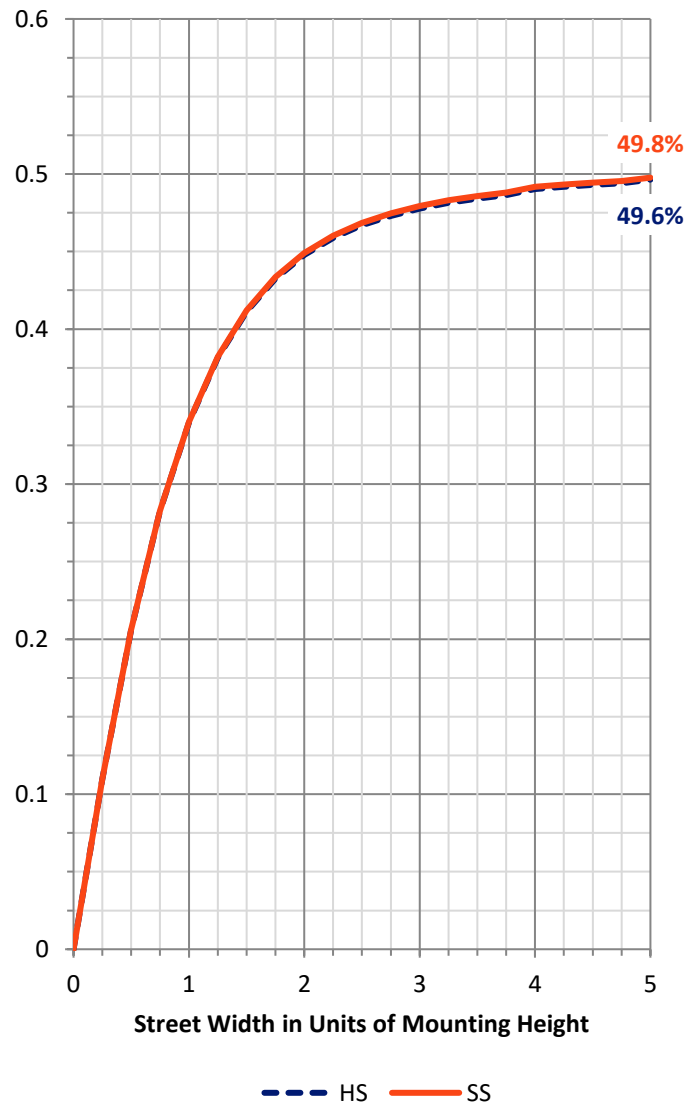
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2568.8	0.0	2568.8
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2568.8	0.0	2568.8
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5137.5	0.0	5137.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	125.2	2.4
10°-20°	369.3	7.2
20°-30°	589.3	11.5
30°-40°	776.2	15.1
40°-50°	923.3	18.0
50°-60°	966.3	18.8
60°-70°	821.7	16.0
70°-80°	467.0	9.1
80°-90°	99.3	1.9
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°	5137.5	100.0
0°-180°	5137.5	100.0



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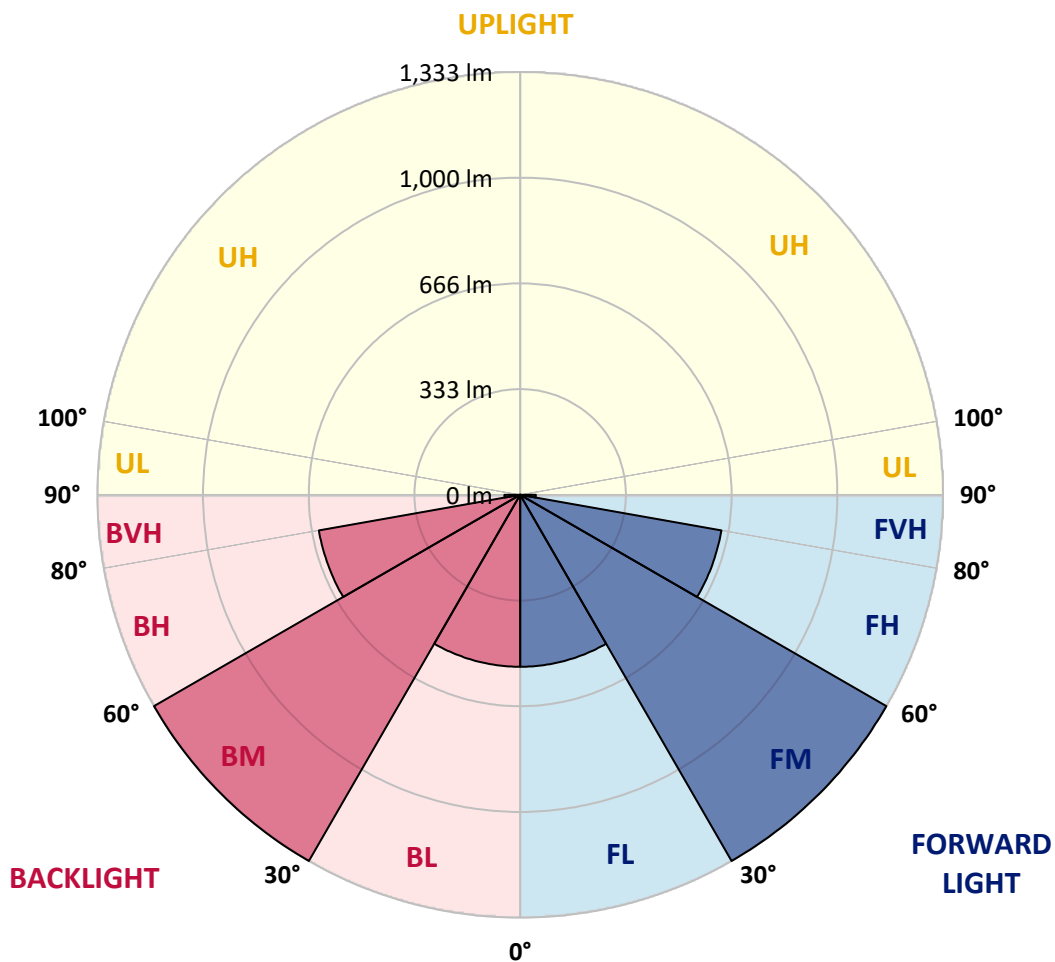
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	541.9	10.5			
FM	(30°-60°)	1332.9	25.9			
FH	(60°-80°)	644.4	12.5			G0/660
FVH	(80°-90°)	49.6	1.0			G1/100
BL	(0°-30°)	541.9	10.5	B2/1000		
BM	(30°-60°)	1332.9	25.9	B2/2500		
BH	(60°-80°)	644.4	12.5	B2/1000		G0/660
BVH	(80°-90°)	49.6	1.0			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°	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6
2.5°	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6
5°	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1313.7	1312.6
7.5°	1311.6	1311.6	1311.6	1311.6	1312.6	1311.6	1311.6	1312.6	1312.6	1312.6	1312.6
10°	1309.6	1308.5	1308.5	1309.6	1309.6	1309.6	1309.6	1309.6	1310.6	1309.6	1309.6
12.5°	1306.5	1305.5	1306.5	1306.5	1306.5	1307.6	1307.6	1307.6	1308.5	1308.5	1307.6
15°	1303.5	1303.5	1303.5	1303.5	1303.5	1304.5	1304.5	1305.5	1305.5	1305.5	1305.5
17.5°	1299.4	1299.4	1299.4	1300.5	1300.5	1301.5	1301.5	1301.5	1302.4	1302.4	1302.4
20°	1292.4	1291.3	1292.4	1292.4	1293.4	1294.4	1294.4	1295.4	1295.4	1295.4	1295.4
22.5°	1282.2	1282.2	1283.2	1283.2	1284.3	1285.2	1285.2	1286.3	1286.3	1286.3	1286.3
25°	1272.1	1273.1	1273.1	1274.1	1274.1	1275.2	1276.1	1276.1	1276.1	1276.1	1276.1
27.5°	1261.9	1263.0	1263.0	1263.0	1264.0	1265.0	1266.0	1267.1	1268.0	1267.1	1267.1
30°	1250.8	1250.8	1251.9	1252.8	1253.9	1254.9	1256.9	1257.9	1258.9	1257.9	1257.9
32.5°	1238.6	1239.7	1240.7	1241.7	1243.8	1245.8	1247.8	1248.8	1249.9	1248.8	1248.8
35°	1229.6	1229.6	1231.6	1233.6	1235.6	1238.6	1240.7	1242.7	1244.7	1243.8	1242.7
37.5°	1220.5	1220.5	1222.5	1225.5	1229.6	1233.6	1237.7	1240.7	1241.7	1241.7	1240.7
40°	1209.4	1210.3	1212.3	1217.4	1223.5	1228.6	1233.6	1237.7	1239.7	1239.7	1237.7
42.5°	1197.2	1198.1	1201.2	1206.3	1213.3	1219.4	1225.5	1228.6	1231.6	1231.6	1229.6
45°	1180.0	1180.9	1185.0	1190.0	1197.2	1203.3	1210.3	1213.3	1217.4	1216.4	1215.3
47.5°	1157.6	1158.7	1162.8	1167.8	1174.8	1182.0	1189.1	1194.1	1197.2	1197.2	1196.1
50°	1130.3	1131.3	1135.4	1140.4	1149.5	1157.6	1164.8	1169.8	1174.8	1174.8	1173.9
52.5°	1095.9	1097.9	1100.9	1108.0	1118.2	1127.3	1136.4	1144.5	1147.5	1148.5	1147.5
55°	1053.3	1055.4	1059.4	1067.5	1078.7	1089.8	1099.9	1109.0	1113.1	1116.2	1114.1
57.5°	1003.7	1005.7	1010.8	1019.9	1032.1	1043.2	1056.3	1066.5	1069.6	1072.6	1071.6
60°	945.0	948.0	953.1	963.2	975.3	987.5	999.7	1011.8	1014.9	1018.9	1016.9
62.5°	876.1	879.1	884.2	895.3	908.5	919.7	933.9	945.0	948.0	952.0	951.1
65°	797.1	800.1	805.2	817.4	829.5	841.6	854.8	867.0	870.0	874.0	873.1
67.5°	707.0	710.0	715.0	729.2	741.4	753.6	764.7	776.8	778.8	782.9	781.9
70°	611.8	615.8	619.8	633.0	644.2	654.3	666.4	676.5	680.6	682.6	680.6
72.5°	516.6	519.6	523.6	532.7	540.8	549.9	562.1	569.2	572.2	573.2	573.2
75°	418.3	421.4	421.4	431.5	437.5	442.6	452.8	457.8	459.8	461.9	461.9
77.5°	325.1	323.0	325.1	329.1	333.2	337.3	343.3	346.3	348.4	352.4	350.4
80°	227.9	228.9	229.9	233.0	235.0	236.0	240.0	241.1	242.0	246.1	244.1
82.5°	146.8	144.8	146.8	145.9	147.9	144.8	146.8	149.9	147.9	149.9	150.9
85°	76.9	73.9	73.9	74.9	76.0	73.9	74.9	73.9	73.9	76.0	74.9
87.5°	24.3	23.3	24.3	23.3	24.3	23.3	24.3	25.3	24.3	24.3	25.3
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°	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6
2.5°	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6
5°	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6	1312.6
7.5°	1311.6	1311.6	1311.6	1311.6	1311.6	1311.6	1310.6	1311.6
10°	1309.6	1309.6	1309.6	1309.6	1308.5	1308.5	1308.5	1308.5
12.5°	1307.6	1307.6	1306.5	1306.5	1306.5	1306.5	1305.5	1305.5
15°	1305.5	1304.5	1304.5	1303.5	1303.5	1303.5	1302.4	1303.5
17.5°	1302.4	1301.5	1301.5	1300.5	1300.5	1299.4	1299.4	1299.4
20°	1295.4	1294.4	1294.4	1293.4	1293.4	1292.4	1291.3	1291.3
22.5°	1285.2	1285.2	1285.2	1284.3	1283.2	1283.2	1282.2	1282.2
25°	1276.1	1275.2	1275.2	1274.1	1273.1	1273.1	1272.1	1272.1
27.5°	1267.1	1266.0	1265.0	1263.0	1263.0	1261.9	1261.0	1259.9
30°	1256.9	1254.9	1252.8	1251.9	1250.8	1248.8	1247.8	1246.8
32.5°	1246.8	1244.7	1242.7	1240.7	1237.7	1236.6	1234.6	1234.6
35°	1240.7	1237.7	1234.6	1230.6	1227.5	1224.5	1222.5	1221.4
37.5°	1237.7	1233.6	1228.6	1223.5	1218.4	1214.4	1211.3	1211.3
40°	1233.6	1228.6	1222.5	1215.3	1209.4	1204.2	1201.2	1200.2
42.5°	1225.5	1220.5	1212.3	1206.3	1198.1	1193.1	1189.1	1188.0
45°	1211.3	1206.3	1199.2	1191.1	1183.0	1176.9	1172.8	1171.8
47.5°	1193.1	1187.0	1178.9	1170.8	1162.8	1155.6	1151.5	1150.6
50°	1169.8	1163.7	1155.6	1147.5	1138.4	1131.3	1126.2	1126.2
52.5°	1143.4	1136.4	1127.3	1118.2	1108.0	1100.9	1095.9	1094.9
55°	1109.0	1100.9	1091.8	1081.7	1070.5	1062.4	1056.3	1055.4
57.5°	1066.5	1057.4	1047.2	1036.1	1025.0	1015.8	1008.8	1007.7
60°	1012.8	1002.7	992.5	981.4	969.2	959.2	952.0	950.0
62.5°	947.0	935.9	924.7	914.5	901.4	891.2	884.2	882.1
65°	869.0	859.9	848.7	836.6	822.4	812.3	805.2	804.1
67.5°	777.8	768.8	757.5	746.4	732.2	723.1	716.1	714.0
70°	677.6	669.5	660.4	649.2	637.1	627.9	620.9	619.8
72.5°	571.2	564.1	556.0	548.0	535.8	528.6	522.7	521.6
75°	461.9	454.8	448.7	442.6	433.5	428.4	422.3	422.3
77.5°	350.4	348.4	344.3	337.3	332.2	328.2	325.1	323.0
80°	245.1	243.1	241.1	237.0	233.9	233.0	230.9	228.9
82.5°	149.9	148.9	149.9	147.9	146.8	146.8	145.9	143.8
85°	76.0	76.9	76.0	74.9	74.9	74.9	74.9	73.9
87.5°	24.3	25.3	24.3	23.3	23.3	23.3	23.3	22.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)