

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: P197517

Luminaire Tested: **TT-C3-LED-E1-5CQ-PM-LWR-LW-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197517
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115438)
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-LWR-LW-8030
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION WITH LumaWatt WIRELESS SENSOR
Light Source: (168) 3000K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4813.5 lumens
Efficiency: N/A
Efficacy: 107.0 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 (A_{in}): 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

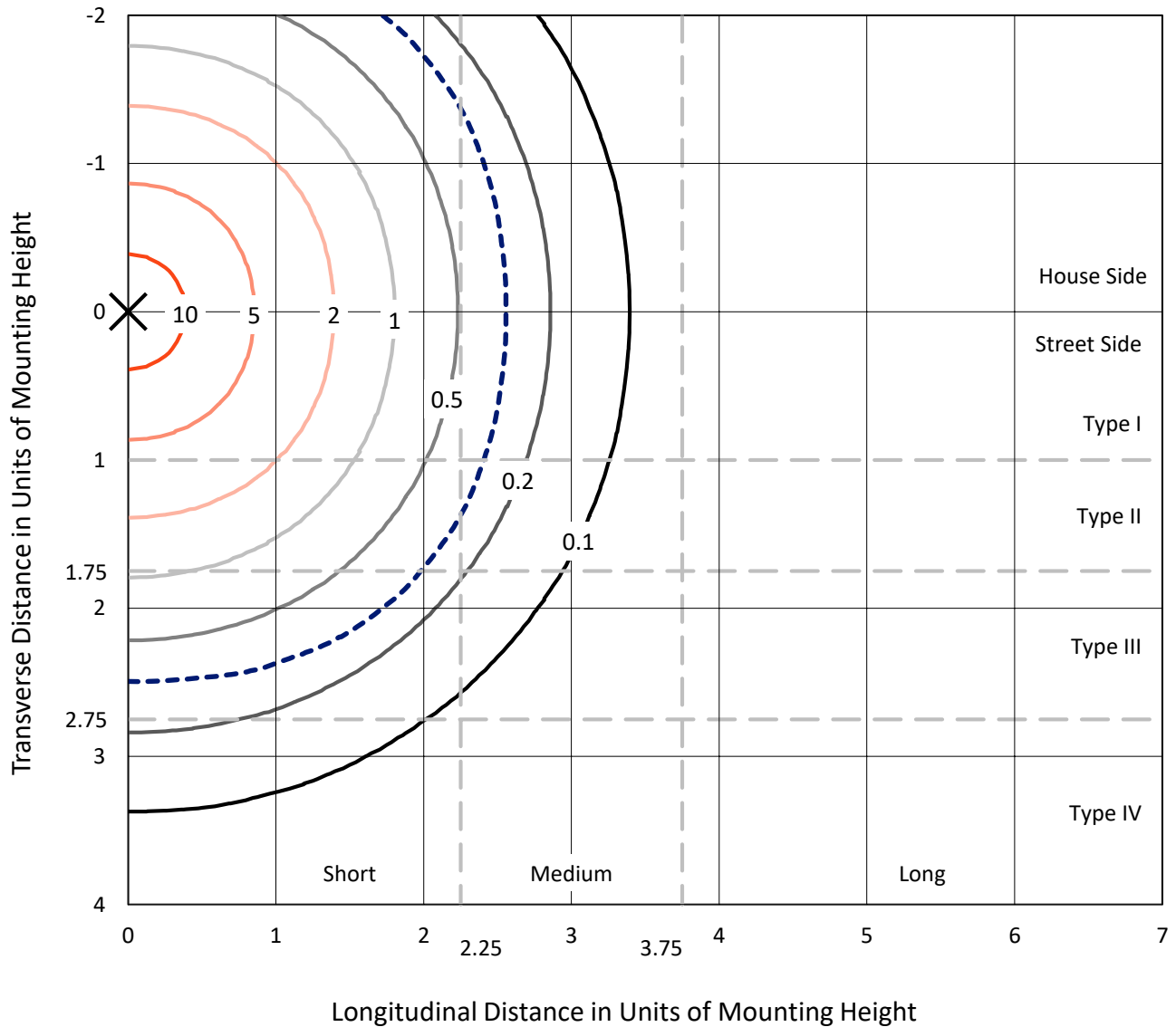


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

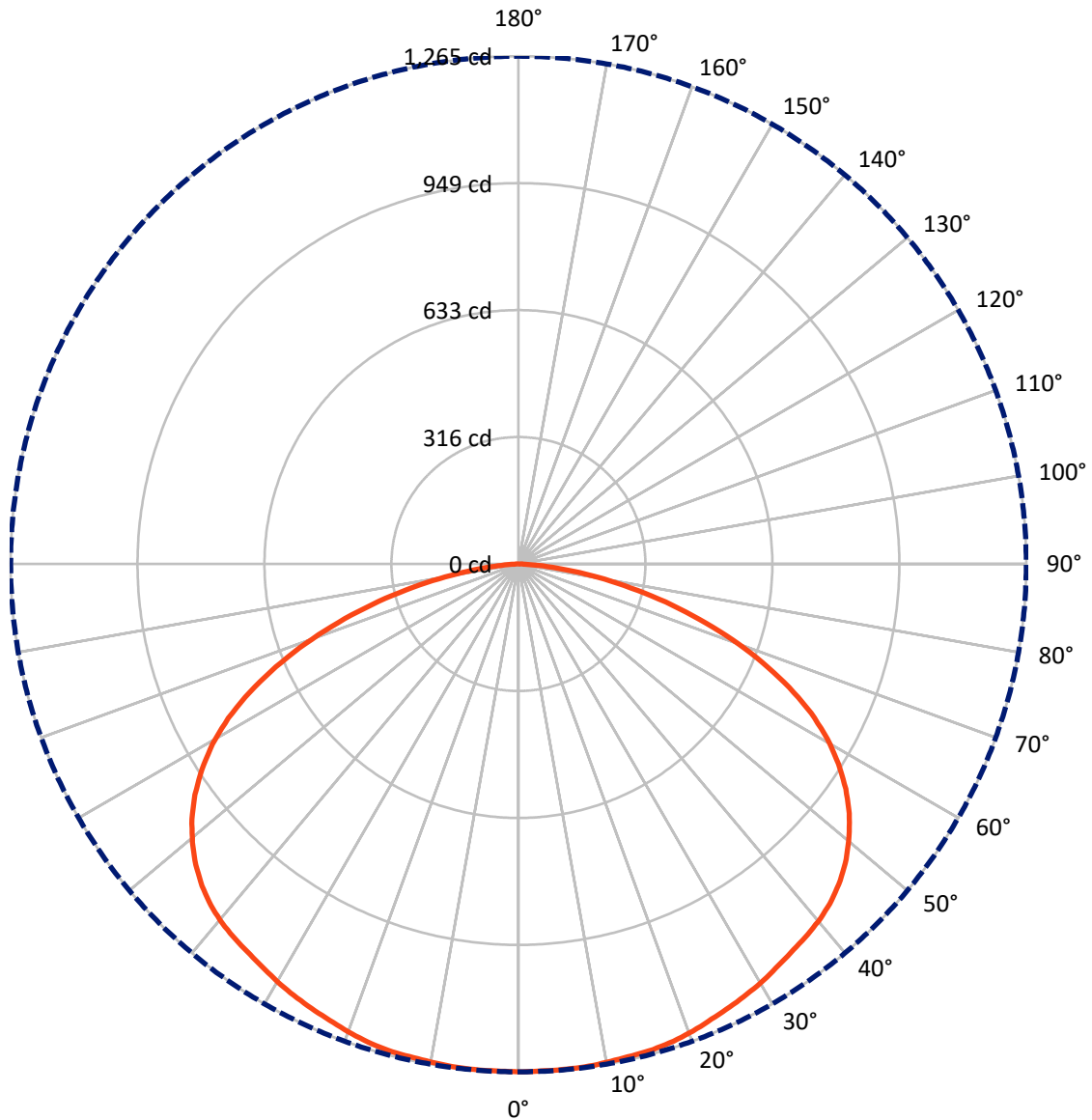


Based on 10 foot mounting height. Maximum calculated value = 12.6 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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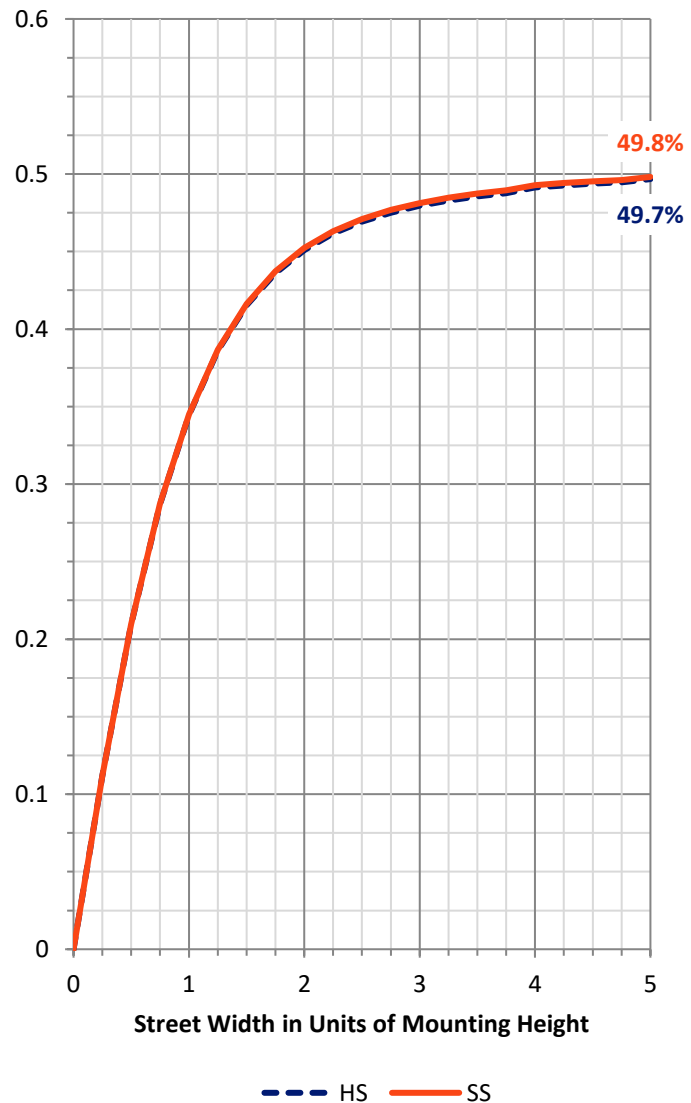
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2406.8	0.0	2406.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2406.8	0.0	2406.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	4813.5	0.0	4813.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.5	2.5
10°-20°	355.0	7.4
20°-30°	565.4	11.7
30°-40°	741.2	15.4
40°-50°	874.2	18.2
50°-60°	905.4	18.8
60°-70°	757.2	15.7
70°-80°	412.7	8.6
80°-90°	81.9	1.7
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°	4813.5	100.0
0°-180°	4813.5	100.0



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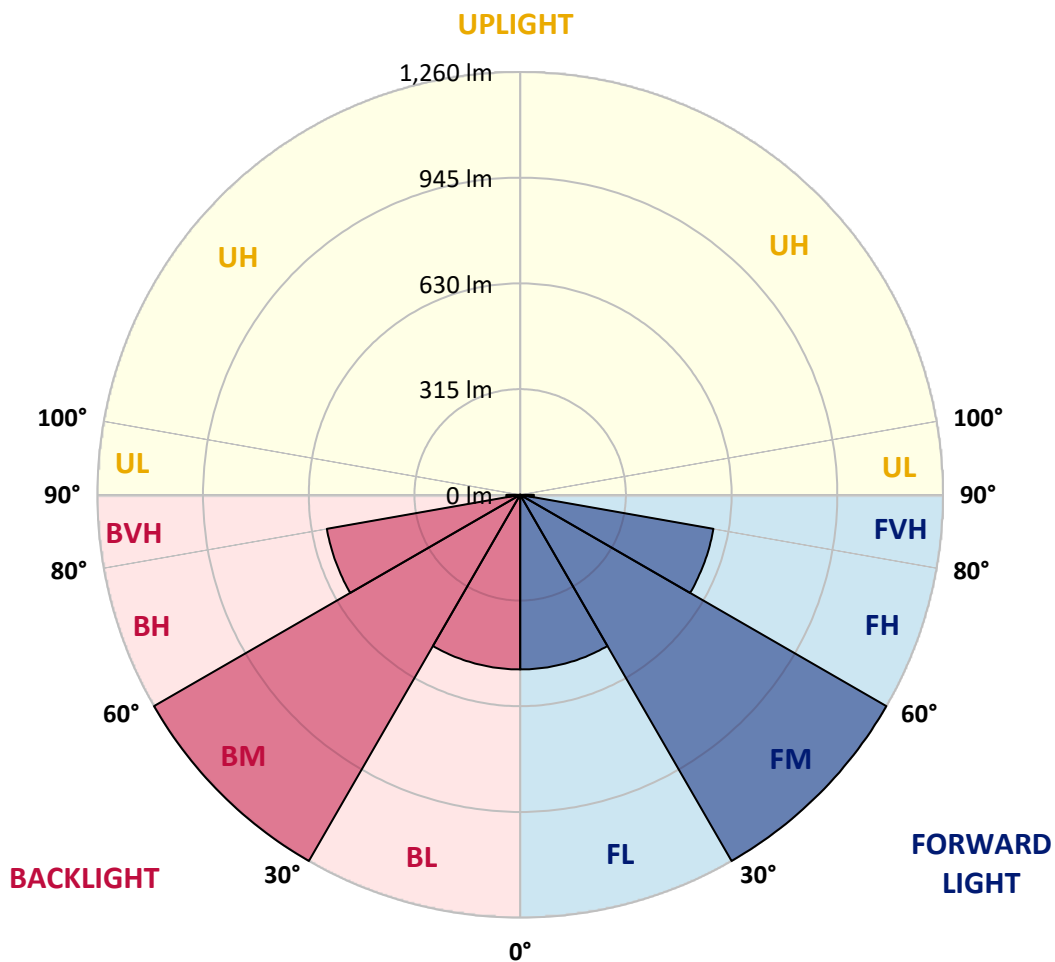
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	520.4	10.8			
FM	(30°-60°)	1260.4	26.2			
FH	(60°-80°)	585.0	12.2			G0/660
FVH	(80°-90°)	41.0	0.9			G1/100
BL	(0°-30°)	520.4	10.8	B2/1000		
BM	(30°-60°)	1260.4	26.2	B2/2500		
BH	(60°-80°)	585.0	12.2	B2/1000		G0/660
BVH	(80°-90°)	41.0	0.9			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°	1265.0	1265.0	1265.0	1265.0	1265.0	1265.0	1265.0	1265.0	1265.0	1265.0	1265.0
2.5°	1264.0	1265.0	1265.0	1265.0	1265.0	1265.0	1265.0	1265.0	1264.0	1265.0	1265.0
5°	1264.0	1264.0	1264.0	1264.0	1265.0	1264.0	1264.0	1264.0	1264.0	1264.0	1264.0
7.5°	1263.0	1261.9	1261.9	1261.9	1261.9	1261.9	1263.0	1263.0	1263.0	1263.0	1263.0
10°	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9
12.5°	1256.9	1256.9	1256.9	1256.9	1257.9	1257.9	1257.9	1257.9	1257.9	1257.9	1256.9
15°	1254.9	1254.9	1254.9	1254.9	1254.9	1254.9	1254.9	1254.9	1254.9	1254.9	1254.9
17.5°	1249.9	1249.9	1249.9	1249.9	1250.8	1250.8	1250.8	1250.8	1250.8	1250.8	1250.8
20°	1241.7	1241.7	1241.7	1241.7	1241.7	1242.7	1243.8	1243.8	1243.8	1243.8	1243.8
22.5°	1231.6	1231.6	1232.6	1232.6	1233.6	1233.6	1234.6	1234.6	1234.6	1234.6	1234.6
25°	1222.5	1222.5	1222.5	1223.5	1223.5	1223.5	1224.5	1225.5	1225.5	1225.5	1224.5
27.5°	1213.3	1213.3	1213.3	1214.4	1214.4	1214.4	1215.3	1215.3	1216.4	1215.3	1215.3
30°	1203.3	1202.2	1202.2	1203.3	1204.2	1204.2	1205.3	1205.3	1205.3	1205.3	1204.2
32.5°	1191.1	1191.1	1192.0	1193.1	1193.1	1194.1	1195.1	1195.1	1195.1	1196.1	1194.1
35°	1180.0	1180.9	1180.9	1182.0	1184.0	1185.0	1186.1	1187.0	1187.0	1187.0	1185.0
37.5°	1170.8	1171.8	1172.8	1174.8	1176.9	1178.9	1180.9	1183.0	1182.0	1182.0	1178.9
40°	1159.7	1160.7	1162.8	1164.8	1168.8	1170.8	1173.9	1175.9	1176.9	1175.9	1172.8
42.5°	1144.5	1145.5	1147.5	1150.6	1155.6	1159.7	1162.8	1165.8	1166.7	1165.8	1162.8
45°	1124.2	1125.3	1127.3	1131.3	1137.4	1141.5	1146.5	1149.5	1151.5	1151.5	1148.5
47.5°	1098.9	1099.9	1102.9	1107.0	1113.1	1118.2	1124.2	1128.3	1130.3	1132.3	1129.3
50°	1067.5	1068.5	1072.6	1077.6	1082.7	1089.8	1096.8	1102.9	1106.0	1107.0	1106.0
52.5°	1032.1	1033.0	1037.1	1042.2	1049.3	1057.4	1065.5	1072.6	1076.6	1078.7	1076.6
55°	989.5	991.6	994.6	1001.7	1009.7	1016.9	1027.0	1035.1	1040.2	1041.2	1040.2
57.5°	939.9	942.9	945.9	954.1	962.2	972.3	980.5	988.5	994.6	995.6	995.6
60°	884.2	886.2	889.3	897.3	906.5	913.6	924.7	932.8	937.8	937.8	938.9
62.5°	818.3	820.4	825.4	831.5	841.6	848.7	857.9	866.0	871.0	873.1	872.0
65°	741.4	743.4	746.4	754.6	762.7	770.8	779.9	786.9	792.1	793.0	792.1
67.5°	656.3	658.4	660.4	670.5	678.6	681.7	692.8	698.9	701.9	702.9	702.9
70°	566.2	567.2	570.2	575.2	584.4	587.4	594.5	599.6	601.6	605.7	602.6
72.5°	472.0	474.0	481.1	482.1	489.2	493.3	495.3	495.3	500.3	500.3	501.4
75°	378.8	379.8	382.9	383.8	388.9	388.9	387.9	389.9	394.0	394.0	395.0
77.5°	286.6	286.6	291.7	287.7	289.7	285.6	287.7	285.6	288.6	287.7	288.6
80°	200.6	200.6	203.6	199.5	200.6	196.5	197.5	196.5	196.5	197.5	197.5
82.5°	123.5	124.6	126.6	123.5	123.5	120.5	121.5	122.6	122.6	121.5	120.5
85°	60.8	60.8	62.8	61.8	60.8	58.8	59.7	60.8	60.8	59.7	59.7
87.5°	16.2	16.2	17.2	17.2	16.2	15.2	16.2	17.2	17.2	17.2	16.2
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°	1265.0	1265.0	1265.0	1265.0	1265.0	1265.0	1265.0	1265.0
2.5°	1264.0	1264.0	1265.0	1264.0	1265.0	1264.0	1265.0	1265.0
5°	1264.0	1264.0	1264.0	1264.0	1264.0	1264.0	1264.0	1264.0
7.5°	1261.9	1263.0	1261.9	1261.9	1261.9	1263.0	1261.9	1263.0
10°	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9
12.5°	1256.9	1256.9	1256.9	1256.9	1256.9	1256.9	1256.9	1255.9
15°	1254.9	1253.9	1253.9	1253.9	1252.8	1252.8	1252.8	1252.8
17.5°	1250.8	1249.9	1248.8	1248.8	1248.8	1248.8	1247.8	1247.8
20°	1243.8	1242.7	1241.7	1241.7	1240.7	1240.7	1239.7	1239.7
22.5°	1233.6	1233.6	1232.6	1231.6	1231.6	1230.6	1230.6	1229.6
25°	1224.5	1223.5	1222.5	1221.4	1220.5	1220.5	1219.4	1218.4
27.5°	1214.4	1212.3	1211.3	1210.3	1209.4	1208.3	1207.3	1206.3
30°	1203.3	1201.2	1199.2	1198.1	1196.1	1194.1	1193.1	1192.0
32.5°	1192.0	1190.0	1187.0	1184.0	1182.0	1180.0	1177.9	1176.9
35°	1183.0	1178.9	1175.9	1171.8	1168.8	1165.8	1164.8	1163.7
37.5°	1175.9	1171.8	1166.7	1162.8	1159.7	1155.6	1153.6	1151.5
40°	1168.8	1163.7	1157.6	1152.6	1148.5	1143.4	1141.5	1139.5
42.5°	1158.7	1152.6	1146.5	1140.4	1134.3	1129.3	1126.2	1124.2
45°	1144.5	1138.4	1131.3	1123.2	1117.1	1111.0	1108.0	1106.0
47.5°	1125.3	1119.2	1111.0	1104.0	1096.8	1090.8	1086.8	1084.8
50°	1102.0	1095.9	1087.7	1079.6	1072.6	1065.5	1062.4	1059.4
52.5°	1072.6	1067.5	1058.4	1052.3	1044.3	1037.1	1034.1	1032.1
55°	1036.1	1031.0	1021.9	1015.8	1007.7	1001.7	997.7	994.6
57.5°	991.6	987.5	977.4	971.3	963.2	957.2	954.1	952.0
60°	936.9	932.8	922.6	916.6	909.5	902.4	900.4	898.4
62.5°	869.0	867.0	858.9	851.8	844.7	837.6	835.6	834.6
65°	790.0	788.0	780.8	774.9	768.8	762.7	760.6	758.6
67.5°	699.8	698.9	692.8	687.7	683.7	677.6	676.5	674.5
70°	603.7	601.6	596.5	592.5	589.5	584.4	583.4	581.3
72.5°	503.3	502.4	499.4	494.2	494.2	487.2	486.1	485.2
75°	392.9	398.1	394.0	392.0	392.0	387.9	387.9	386.9
77.5°	287.7	292.7	295.8	291.7	295.8	291.7	291.7	290.7
80°	196.5	200.6	203.6	200.6	205.6	202.6	202.6	206.6
82.5°	119.5	123.5	125.6	124.6	127.6	126.6	125.6	128.7
85°	58.8	60.8	61.8	61.8	62.8	60.8	62.8	63.8
87.5°	15.2	16.2	17.2	16.2	17.2	17.2	17.2	18.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)