

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: P197520

Luminaire Tested: **TT-C3-LED-E1-5CQ-PM-LWR-LW-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197520
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-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION WITH LumaWatt WIRELESS SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5207.2 lumens
Efficiency: N/A
Efficacy: 115.7 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

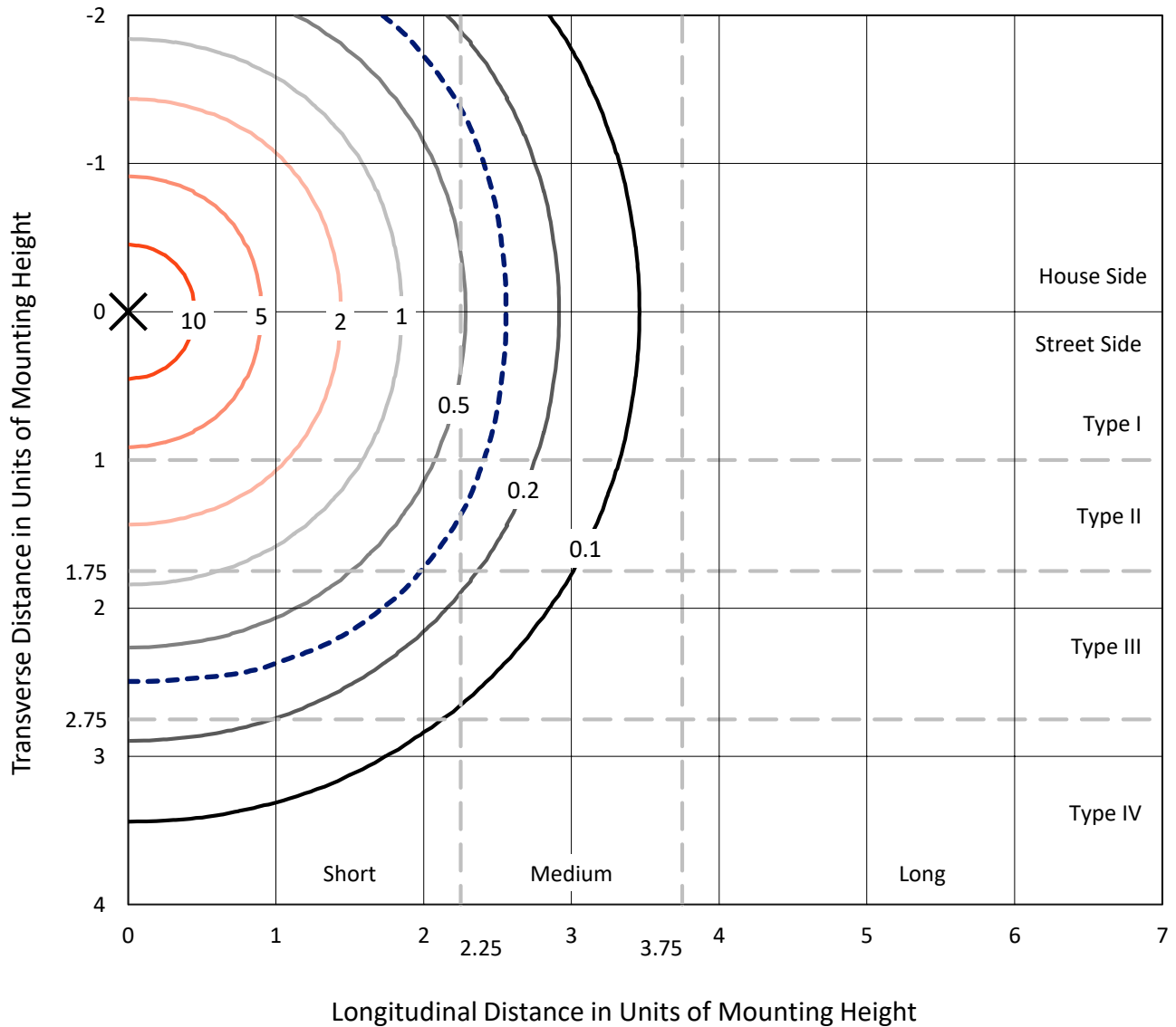


REPORT NUMBER: P197520

CATALOG NUMBER: TT-C3-LED-E1-5CQ-PM-LWR-LW-7060

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

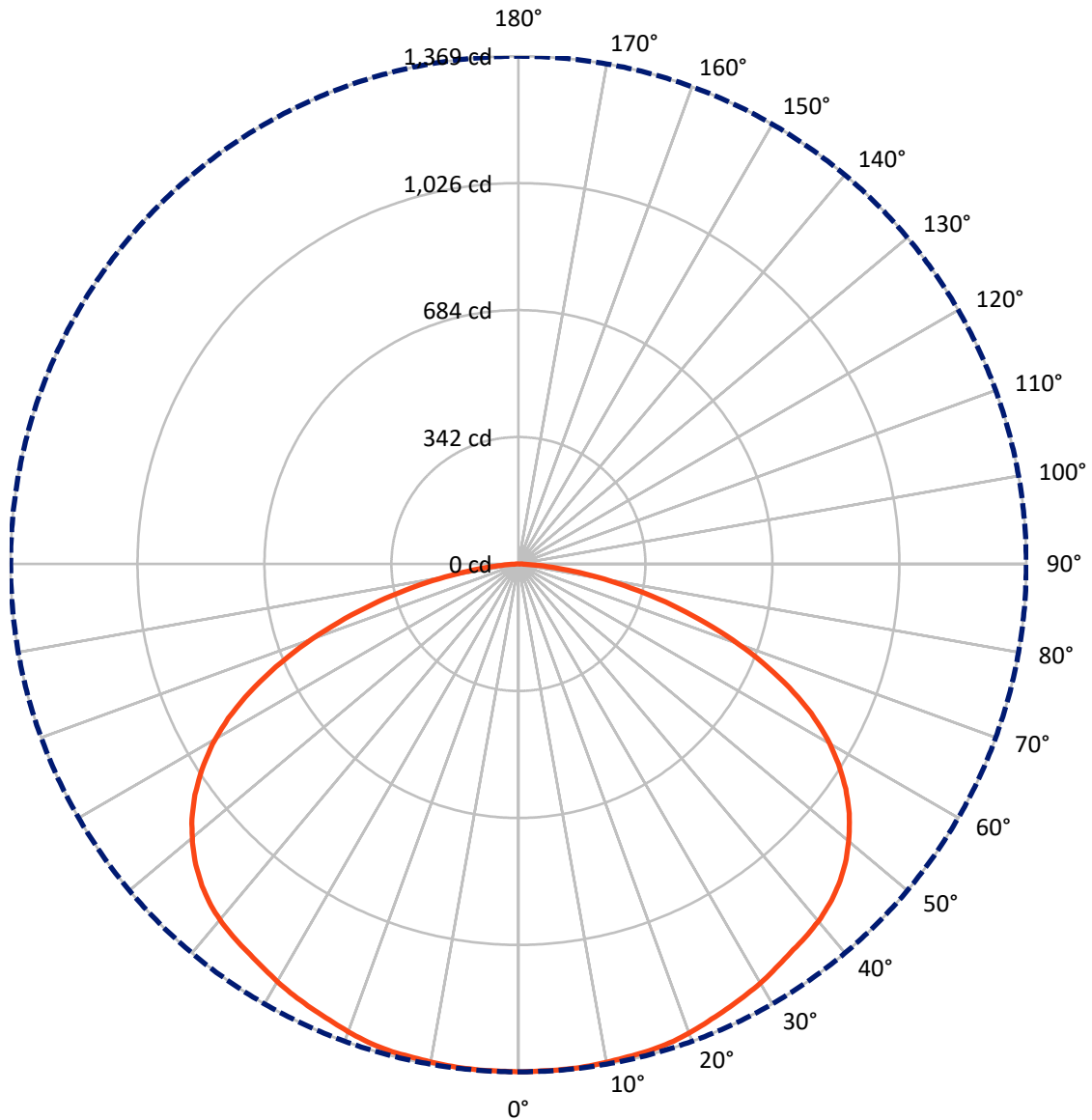


Based on 10 foot mounting height. Maximum calculated value = 13.7 fc
 Type V - Short - Full Cutoff

REPORT NUMBER: P197520

CATALOG NUMBER: TT-C3-LED-E1-5CQ-PM-LWR-LW-7060

Luminous Intensity Polar Plot



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

REPORT NUMBER: P197520

CATALOG NUMBER: TT-C3-LED-E1-5CQ-PM-LWR-LW-7060

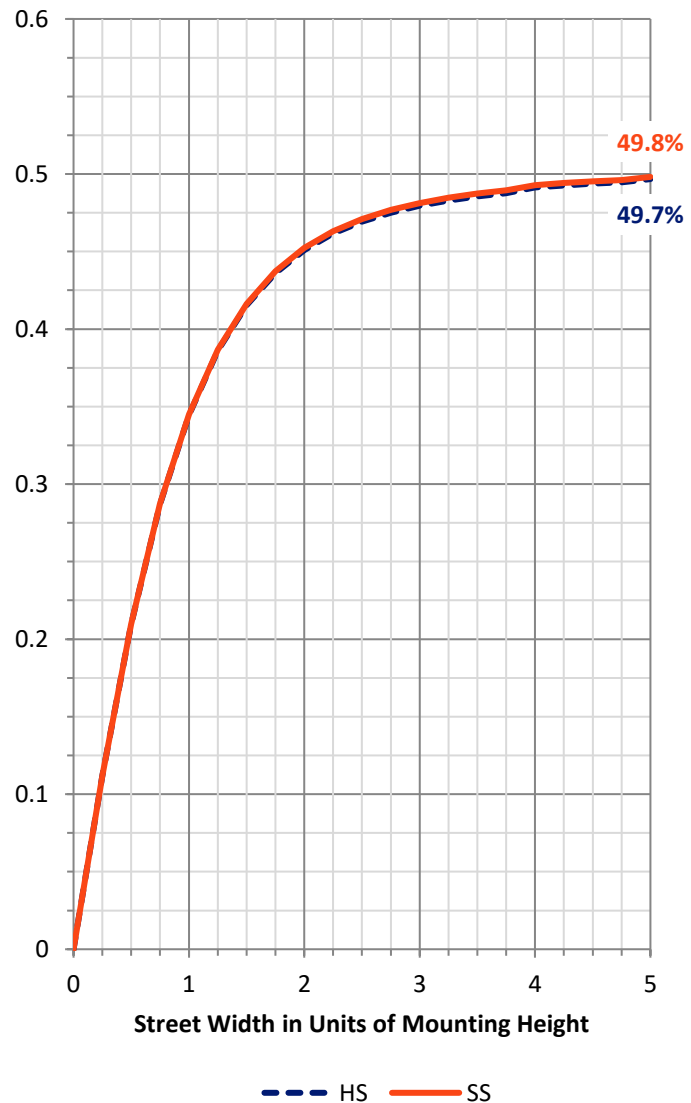
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2603.6	0.0	2603.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2603.6	0.0	2603.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	5207.2	0.0	5207.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.4	2.5
10°-20°	384.0	7.4
20°-30°	611.6	11.7
30°-40°	801.8	15.4
40°-50°	945.7	18.2
50°-60°	979.5	18.8
60°-70°	819.1	15.7
70°-80°	446.5	8.6
80°-90°	88.6	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°	5207.2	100.0
0°-180°	5207.2	100.0



REPORT NUMBER: P197520

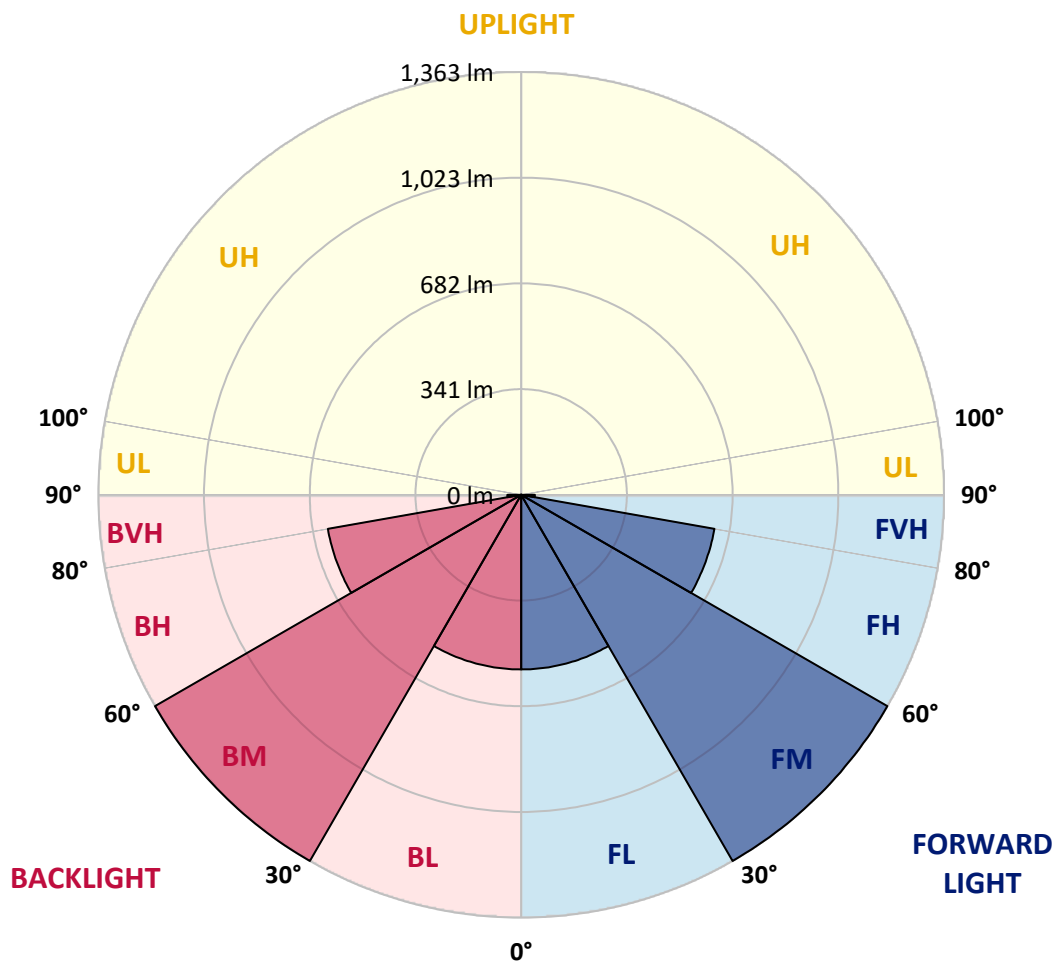
CATALOG NUMBER: TT-C3-LED-E1-5CQ-PM-LWR-LW-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	563.0	10.8			
FM (30°-60°)	1363.5	26.2			
FH (60°-80°)	632.8	12.2			G0/660
FVH (80°-90°)	44.3	0.9			G1/100
BL (0°-30°)	563.0	10.8	B2/1000		
BM (30°-60°)	1363.5	26.2	B2/2500		
BH (60°-80°)	632.8	12.2	B2/1000		G0/660
BVH (80°-90°)	44.3	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





REPORT NUMBER: P197520

CATALOG NUMBER: TT-C3-LED-E1-5CQ-PM-LWR-LW-7060

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5
2.5°	1367.4	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5	1367.4	1368.5	1368.5
5°	1367.4	1367.4	1367.4	1367.4	1368.5	1367.4	1367.4	1367.4	1367.4	1367.4	1367.4
7.5°	1366.2	1365.2	1365.2	1365.2	1365.2	1365.2	1366.2	1366.2	1366.2	1366.2	1366.2
10°	1362.9	1362.9	1362.9	1362.9	1362.9	1362.9	1362.9	1362.9	1362.9	1362.9	1362.9
12.5°	1359.7	1359.7	1359.7	1359.7	1360.8	1360.8	1360.8	1360.8	1360.8	1360.8	1359.7
15°	1357.5	1357.5	1357.5	1357.5	1357.5	1357.5	1357.5	1357.5	1357.5	1357.5	1357.5
17.5°	1352.0	1352.0	1352.0	1352.0	1353.1	1353.1	1353.1	1353.1	1353.1	1353.1	1353.1
20°	1343.2	1343.2	1343.2	1343.2	1343.2	1344.4	1345.5	1345.5	1345.5	1345.5	1345.5
22.5°	1332.3	1332.3	1333.4	1333.4	1334.5	1334.5	1335.6	1335.6	1335.6	1335.6	1335.6
25°	1322.4	1322.4	1322.4	1323.5	1323.5	1323.5	1324.7	1325.7	1325.7	1325.7	1324.7
27.5°	1312.6	1312.6	1312.6	1313.7	1313.7	1313.7	1314.8	1314.8	1315.9	1314.8	1314.8
30°	1301.7	1300.5	1300.5	1301.7	1302.7	1302.7	1303.8	1303.8	1303.8	1303.8	1302.7
32.5°	1288.5	1288.5	1289.6	1290.6	1290.6	1291.8	1292.9	1292.9	1292.9	1293.9	1291.8
35°	1276.4	1277.5	1277.5	1278.7	1280.8	1281.9	1283.0	1284.1	1284.1	1284.1	1281.9
37.5°	1266.6	1267.6	1268.8	1270.9	1273.1	1275.4	1277.5	1279.7	1278.7	1278.7	1275.4
40°	1254.5	1255.7	1257.8	1260.0	1264.4	1266.6	1269.9	1272.1	1273.1	1272.1	1268.8
42.5°	1238.1	1239.1	1241.3	1244.6	1250.1	1254.5	1257.8	1261.1	1262.2	1261.1	1257.8
45°	1216.1	1217.3	1219.4	1223.9	1230.4	1234.8	1240.3	1243.6	1245.7	1245.7	1242.4
47.5°	1188.8	1189.8	1193.1	1197.6	1204.1	1209.5	1216.1	1220.6	1222.7	1224.9	1221.6
50°	1154.8	1155.9	1160.2	1165.8	1171.3	1178.9	1186.5	1193.1	1196.4	1197.6	1196.4
52.5°	1116.5	1117.5	1122.0	1127.4	1135.1	1143.8	1152.6	1160.2	1164.7	1166.8	1164.7
55°	1070.4	1072.7	1076.0	1083.6	1092.4	1100.0	1110.9	1119.7	1125.3	1126.3	1125.3
57.5°	1016.8	1020.1	1023.4	1032.1	1040.9	1051.8	1060.6	1069.4	1076.0	1077.0	1077.0
60°	956.5	958.7	962.0	970.8	980.6	988.3	1000.4	1009.1	1014.6	1014.6	1015.6
62.5°	885.2	887.5	893.0	899.5	910.5	918.1	928.0	936.8	942.3	944.4	943.3
65°	802.0	804.2	807.5	816.2	825.0	833.8	843.7	851.3	856.8	857.9	856.8
67.5°	710.0	712.2	714.3	725.4	734.1	737.3	749.4	756.0	759.3	760.4	760.4
70°	612.5	613.5	616.8	622.3	632.2	635.5	643.1	648.6	650.8	655.2	651.9
72.5°	510.6	512.8	520.4	521.5	529.2	533.6	535.8	535.8	541.2	541.2	542.4
75°	409.8	410.8	414.1	415.3	420.8	420.8	419.6	421.8	426.2	426.2	427.3
77.5°	310.1	310.1	315.5	311.2	313.4	308.9	311.2	308.9	312.2	311.2	312.2
80°	216.9	216.9	220.2	215.8	216.9	212.6	213.6	212.6	212.6	213.6	213.6
82.5°	133.7	134.7	137.0	133.7	133.7	130.4	131.5	132.5	132.5	131.5	130.4
85°	65.7	65.7	68.0	66.8	65.7	63.5	64.7	65.7	65.7	64.7	64.7
87.5°	17.5	17.5	18.7	18.7	17.5	16.4	17.5	18.7	18.7	18.7	17.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P197520

CATALOG NUMBER: TT-C3-LED-E1-5CQ-PM-LWR-LW-7060

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5	1368.5
2.5°	1367.4	1367.4	1368.5	1367.4	1368.5	1367.4	1368.5	1368.5
5°	1367.4	1367.4	1367.4	1367.4	1367.4	1367.4	1367.4	1367.4
7.5°	1365.2	1366.2	1365.2	1365.2	1365.2	1366.2	1365.2	1366.2
10°	1362.9	1362.9	1362.9	1362.9	1362.9	1362.9	1362.9	1362.9
12.5°	1359.7	1359.7	1359.7	1359.7	1359.7	1359.7	1359.7	1358.6
15°	1357.5	1356.4	1356.4	1356.4	1355.3	1355.3	1355.3	1355.3
17.5°	1353.1	1352.0	1351.0	1351.0	1351.0	1351.0	1349.8	1349.8
20°	1345.5	1344.4	1343.2	1343.2	1342.2	1342.2	1341.1	1341.1
22.5°	1334.5	1334.5	1333.4	1332.3	1332.3	1331.2	1331.2	1330.1
25°	1324.7	1323.5	1322.4	1321.4	1320.2	1320.2	1319.2	1318.1
27.5°	1313.7	1311.5	1310.4	1309.3	1308.2	1307.1	1306.0	1305.0
30°	1301.7	1299.4	1297.2	1296.2	1293.9	1291.8	1290.6	1289.6
32.5°	1289.6	1287.4	1284.1	1280.8	1278.7	1276.4	1274.2	1273.1
35°	1279.7	1275.4	1272.1	1267.6	1264.4	1261.1	1260.0	1258.9
37.5°	1272.1	1267.6	1262.2	1257.8	1254.5	1250.1	1247.9	1245.7
40°	1264.4	1258.9	1252.4	1246.9	1242.4	1237.0	1234.8	1232.5
42.5°	1253.4	1246.9	1240.3	1233.7	1227.1	1221.6	1218.3	1216.1
45°	1238.1	1231.5	1223.9	1215.1	1208.5	1201.9	1198.6	1196.4
47.5°	1217.3	1210.7	1201.9	1194.3	1186.5	1180.0	1175.6	1173.4
50°	1192.0	1185.5	1176.7	1168.0	1160.2	1152.6	1149.3	1146.0
52.5°	1160.2	1154.8	1145.0	1138.4	1129.6	1122.0	1118.7	1116.5
55°	1120.8	1115.4	1105.5	1099.0	1090.2	1083.6	1079.2	1076.0
57.5°	1072.7	1068.2	1057.3	1050.7	1041.9	1035.4	1032.1	1029.9
60°	1013.5	1009.1	998.1	991.6	983.9	976.2	974.1	971.8
62.5°	940.0	937.8	929.1	921.4	913.8	906.1	903.9	902.8
65°	854.6	852.4	844.7	838.2	831.6	825.0	822.8	820.7
67.5°	757.1	756.0	749.4	743.9	739.6	733.0	731.9	729.7
70°	653.0	650.8	645.3	641.0	637.7	632.2	631.1	628.9
72.5°	544.5	543.4	540.2	534.6	534.6	527.0	525.9	524.8
75°	425.1	430.6	426.2	424.1	424.1	419.6	419.6	418.6
77.5°	311.2	316.7	320.0	315.5	320.0	315.5	315.5	314.4
80°	212.6	216.9	220.2	216.9	222.4	219.1	219.1	223.5
82.5°	129.2	133.7	135.8	134.7	138.0	137.0	135.8	139.2
85°	63.5	65.7	66.8	66.8	68.0	65.7	68.0	69.0
87.5°	16.4	17.5	18.7	17.5	18.7	18.7	18.7	19.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)