

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: P197544

Luminaire Tested: **TT-C3-LED-E1-5CQ-PM-MS/DIM-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197544
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-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION WITH DIMMING OCCUPANCY SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5557.7 lumens
Efficiency: N/A
Efficacy: 123.5 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

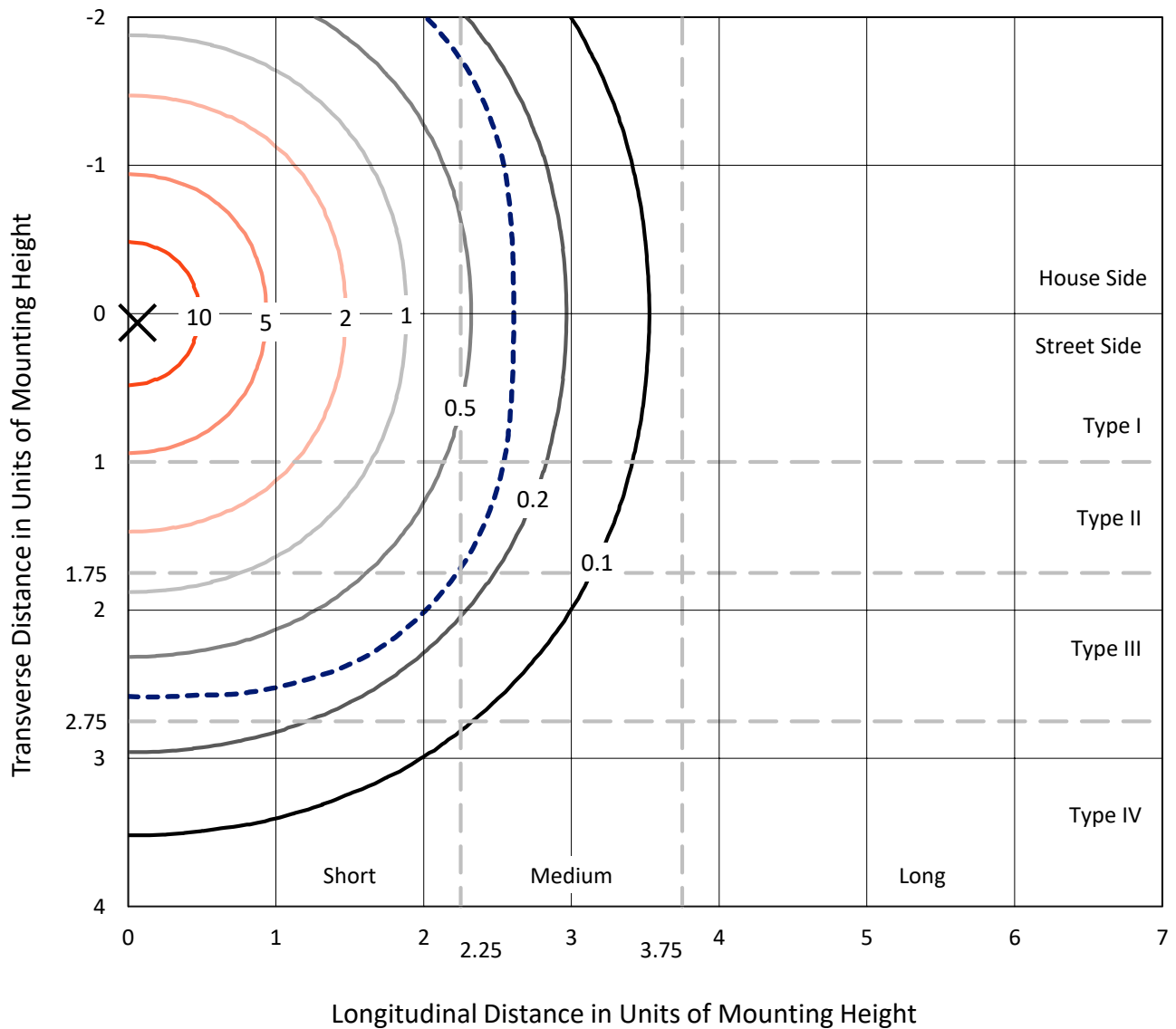


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Iso-Footcandle Lines of Horizontal Illumination

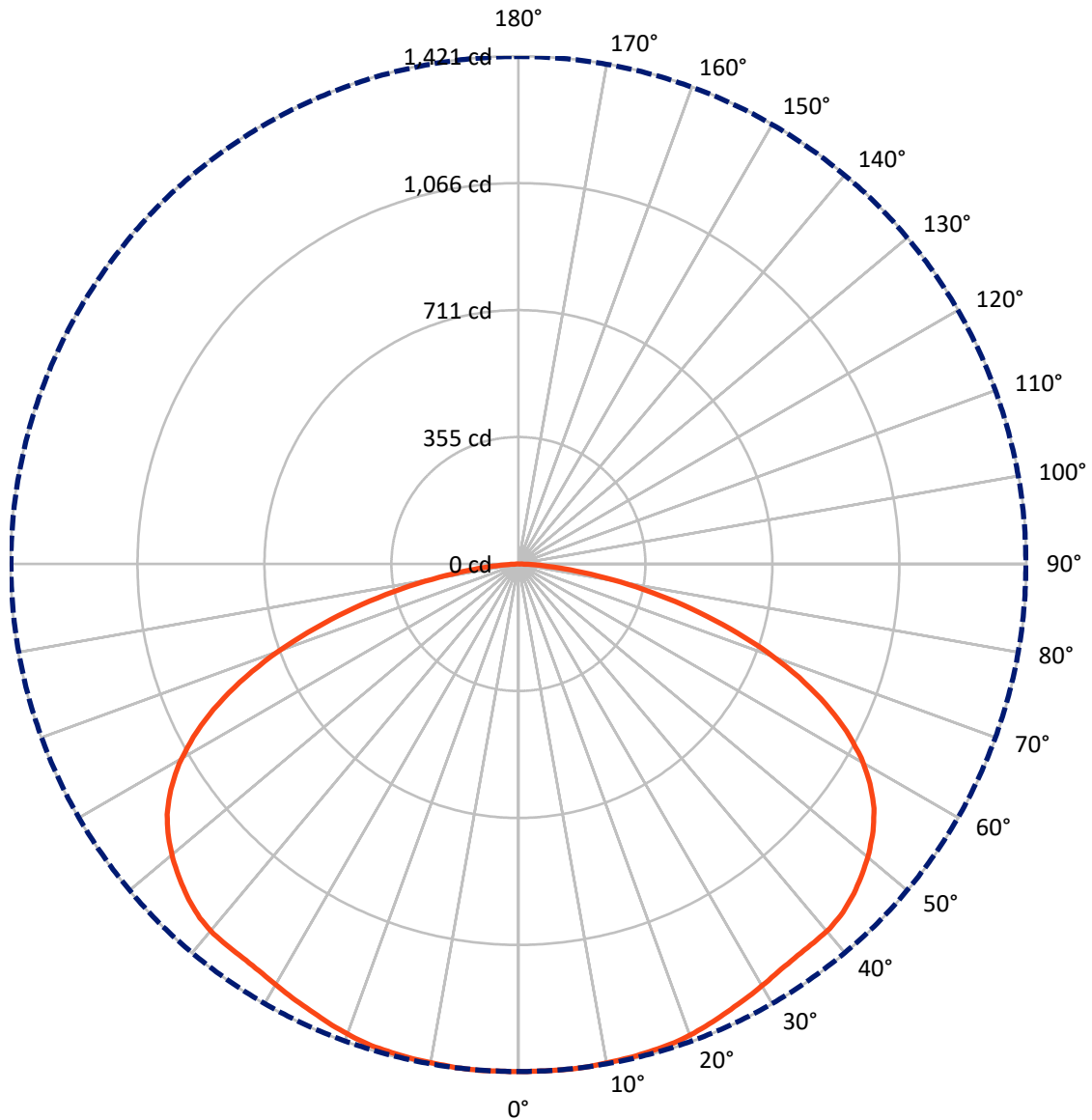
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.2 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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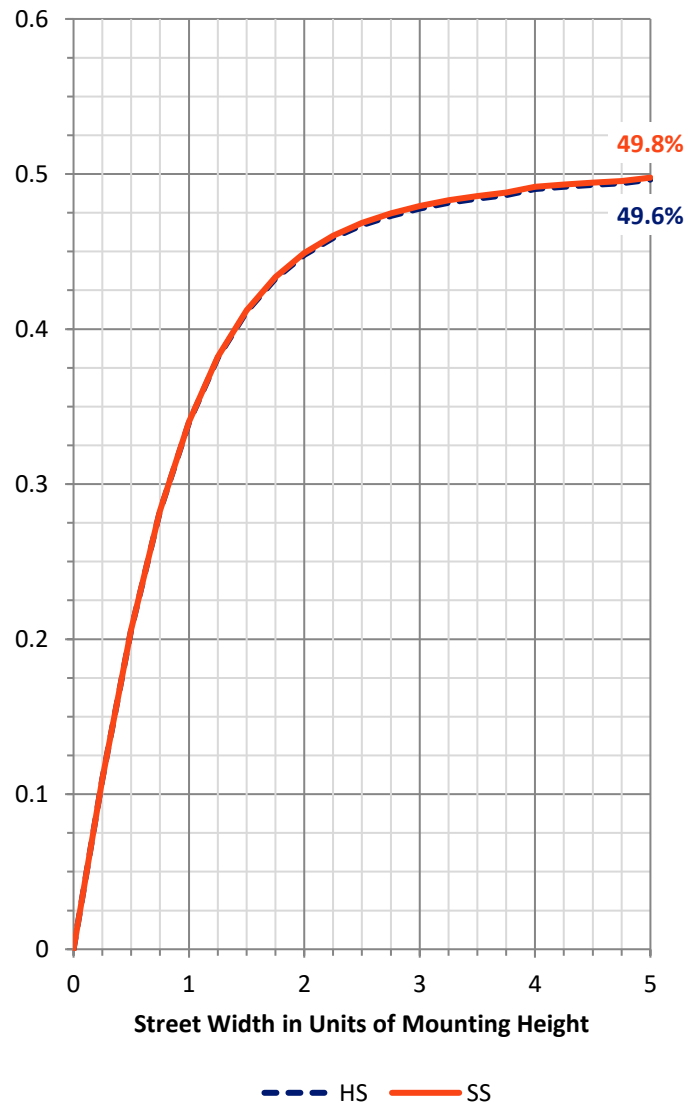
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2778.9	0.0	2778.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2778.9	0.0	2778.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	5557.7	0.0	5557.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.4	2.4
10°-20°	399.5	7.2
20°-30°	637.5	11.5
30°-40°	839.7	15.1
40°-50°	998.8	18.0
50°-60°	1045.3	18.8
60°-70°	888.9	16.0
70°-80°	505.2	9.1
80°-90°	107.4	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°	5557.7	100.0
0°-180°	5557.7	100.0

Coefficient of Utilization



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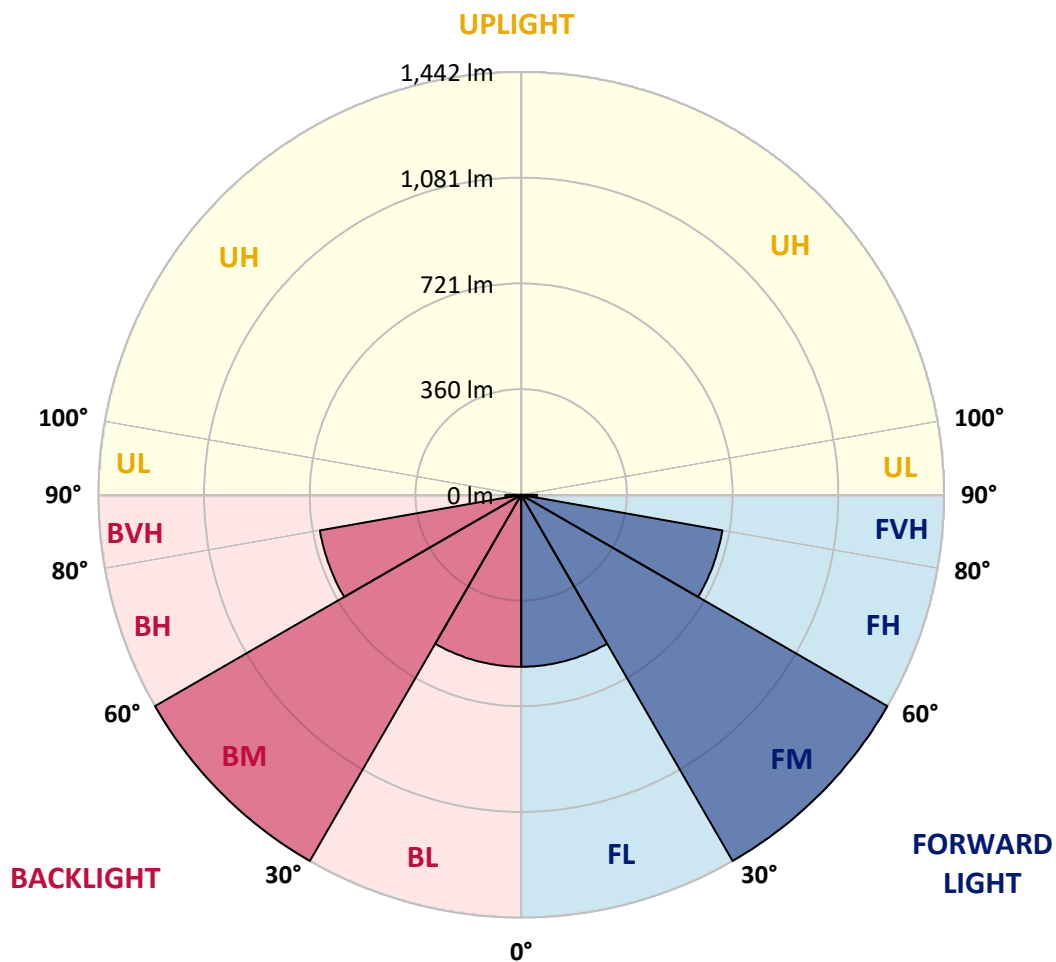
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	586.2	10.5			
FM (30°-60°)	1441.9	25.9			
FH (60°-80°)	697.1	12.5			G1/1800
FVH (80°-90°)	53.7	1.0			G1/100
BL (0°-30°)	586.2	10.5	B2/1000		
BM (30°-60°)	1441.9	25.9	B2/2500		
BH (60°-80°)	697.1	12.5	B2/1000		G1/1800
BVH (80°-90°)	53.7	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°	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
2.5°	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
5°	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1421.0	1420.0
7.5°	1418.8	1418.8	1418.8	1418.8	1420.0	1418.8	1418.8	1420.0	1420.0	1420.0	1420.0
10°	1416.7	1415.5	1415.5	1416.7	1416.7	1416.7	1416.7	1416.7	1417.8	1416.7	1416.7
12.5°	1413.4	1412.2	1413.4	1413.4	1413.4	1414.5	1414.5	1414.5	1415.5	1415.5	1414.5
15°	1410.1	1410.1	1410.1	1410.1	1410.1	1411.2	1411.2	1412.2	1412.2	1412.2	1412.2
17.5°	1405.7	1405.7	1405.7	1406.8	1406.8	1407.9	1407.9	1407.9	1409.0	1409.0	1409.0
20°	1398.0	1397.0	1398.0	1398.0	1399.1	1400.3	1400.3	1401.3	1401.3	1401.3	1401.3
22.5°	1387.1	1387.1	1388.2	1388.2	1389.2	1390.4	1390.4	1391.5	1391.5	1391.5	1391.5
25°	1376.1	1377.3	1377.3	1378.3	1378.3	1379.4	1380.5	1380.5	1380.5	1380.5	1380.5
27.5°	1365.2	1366.2	1366.2	1366.2	1367.4	1368.5	1369.5	1370.7	1371.7	1370.7	1370.7
30°	1353.1	1353.1	1354.2	1355.3	1356.4	1357.5	1359.7	1360.8	1361.9	1360.8	1360.8
32.5°	1339.9	1341.1	1342.2	1343.2	1345.5	1347.7	1349.8	1351.0	1352.0	1351.0	1351.0
35°	1330.1	1330.1	1332.3	1334.5	1336.7	1339.9	1342.2	1344.4	1346.5	1345.5	1344.4
37.5°	1320.2	1320.2	1322.4	1325.7	1330.1	1334.5	1338.9	1342.2	1343.2	1343.2	1342.2
40°	1308.2	1309.3	1311.5	1316.9	1323.5	1329.0	1334.5	1338.9	1341.1	1341.1	1338.9
42.5°	1295.1	1296.2	1299.4	1305.0	1312.6	1319.2	1325.7	1329.0	1332.3	1332.3	1330.1
45°	1276.4	1277.5	1281.9	1287.4	1295.1	1301.7	1309.3	1312.6	1316.9	1315.9	1314.8
47.5°	1252.4	1253.4	1257.8	1263.3	1270.9	1278.7	1286.3	1291.8	1295.1	1295.1	1293.9
50°	1222.7	1223.9	1228.2	1233.7	1243.6	1252.4	1260.0	1265.5	1270.9	1270.9	1269.9
52.5°	1185.5	1187.7	1191.0	1198.6	1209.5	1219.4	1229.3	1238.1	1241.3	1242.4	1241.3
55°	1139.5	1141.7	1146.0	1154.8	1166.8	1178.9	1189.8	1199.7	1204.1	1207.4	1205.2
57.5°	1085.8	1087.9	1093.5	1103.3	1116.5	1128.5	1142.7	1153.7	1157.0	1160.2	1159.2
60°	1022.2	1025.5	1031.0	1041.9	1055.1	1068.2	1081.4	1094.5	1097.8	1102.2	1100.0
62.5°	947.7	951.0	956.5	968.6	982.8	994.9	1010.2	1022.2	1025.5	1029.9	1028.8
65°	862.2	865.5	871.0	884.2	897.3	910.5	924.7	937.8	941.1	945.6	944.4
67.5°	764.8	768.1	773.5	788.9	802.0	815.2	827.2	840.4	842.5	847.0	845.8
70°	661.8	666.1	670.6	684.8	696.8	707.8	720.9	731.9	736.3	738.5	736.3
72.5°	558.8	562.1	566.4	576.3	585.1	595.0	608.1	615.7	619.0	620.1	620.1
75°	452.5	455.8	455.8	466.8	473.4	478.8	489.8	495.2	497.4	499.7	499.7
77.5°	351.7	349.5	351.7	356.1	360.5	364.8	371.4	374.7	376.9	381.2	379.1
80°	246.5	247.7	248.7	252.0	254.2	255.3	259.6	260.8	261.9	266.2	264.1
82.5°	158.9	156.7	158.9	157.8	160.0	156.7	158.9	162.2	160.0	162.2	163.3
85°	83.2	79.9	79.9	81.1	82.2	79.9	81.1	79.9	79.9	82.2	81.1
87.5°	26.3	25.2	26.3	25.2	26.3	25.2	26.3	27.4	26.3	26.3	27.4
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°	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
2.5°	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
5°	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0	1420.0
7.5°	1418.8	1418.8	1418.8	1418.8	1418.8	1418.8	1417.8	1418.8
10°	1416.7	1416.7	1416.7	1416.7	1415.5	1415.5	1415.5	1415.5
12.5°	1414.5	1414.5	1413.4	1413.4	1413.4	1413.4	1412.2	1412.2
15°	1412.2	1411.2	1411.2	1410.1	1410.1	1410.1	1409.0	1410.1
17.5°	1409.0	1407.9	1407.9	1406.8	1406.8	1405.7	1405.7	1405.7
20°	1401.3	1400.3	1400.3	1399.1	1399.1	1398.0	1397.0	1397.0
22.5°	1390.4	1390.4	1390.4	1389.2	1388.2	1388.2	1387.1	1387.1
25°	1380.5	1379.4	1379.4	1378.3	1377.3	1377.3	1376.1	1376.1
27.5°	1370.7	1369.5	1368.5	1366.2	1366.2	1365.2	1364.1	1362.9
30°	1359.7	1357.5	1355.3	1354.2	1353.1	1351.0	1349.8	1348.7
32.5°	1348.7	1346.5	1344.4	1342.2	1338.9	1337.8	1335.6	1335.6
35°	1342.2	1338.9	1335.6	1331.2	1328.0	1324.7	1322.4	1321.4
37.5°	1338.9	1334.5	1329.0	1323.5	1318.1	1313.7	1310.4	1310.4
40°	1334.5	1329.0	1322.4	1314.8	1308.2	1302.7	1299.4	1298.4
42.5°	1325.7	1320.2	1311.5	1305.0	1296.2	1290.6	1286.3	1285.2
45°	1310.4	1305.0	1297.2	1288.5	1279.7	1273.1	1268.8	1267.6
47.5°	1290.6	1284.1	1275.4	1266.6	1257.8	1250.1	1245.7	1244.6
50°	1265.5	1258.9	1250.1	1241.3	1231.5	1223.9	1218.3	1218.3
52.5°	1237.0	1229.3	1219.4	1209.5	1198.6	1191.0	1185.5	1184.4
55°	1199.7	1191.0	1181.1	1170.1	1158.1	1149.3	1142.7	1141.7
57.5°	1153.7	1143.8	1132.9	1120.8	1108.8	1099.0	1091.2	1090.2
60°	1095.7	1084.7	1073.7	1061.6	1048.5	1037.6	1029.9	1027.7
62.5°	1024.4	1012.4	1000.4	989.3	975.1	964.1	956.5	954.3
65°	940.0	930.2	918.1	905.0	889.7	878.7	871.0	870.0
67.5°	841.5	831.6	819.5	807.5	792.2	782.3	774.7	772.4
70°	733.0	724.2	714.3	702.4	689.1	679.3	671.6	670.6
72.5°	618.0	610.2	601.5	592.7	579.6	572.0	565.4	564.2
75°	499.7	491.9	485.3	478.8	468.9	463.5	456.9	456.9
77.5°	379.1	376.9	372.5	364.8	359.4	354.9	351.7	349.5
80°	265.1	262.9	260.8	256.4	253.1	252.0	249.8	247.7
82.5°	162.2	161.0	162.2	160.0	158.9	158.9	157.8	155.6
85°	82.2	83.2	82.2	81.1	81.1	81.1	81.1	79.9
87.5°	26.3	27.4	26.3	25.2	25.2	25.2	25.2	24.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)