

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: P197519

Luminaire Tested: **TT-C3-LED-E1-5CQ-PM-LWR-LW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197519
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-7050
Description: TOPTIER LED AREA/SITE LUMINAIRE
CONCENTRATED DISTRIBUTION WITH LumaWatt WIRELESS SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5328 lumens
Efficiency: N/A
Efficacy: 118.4 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

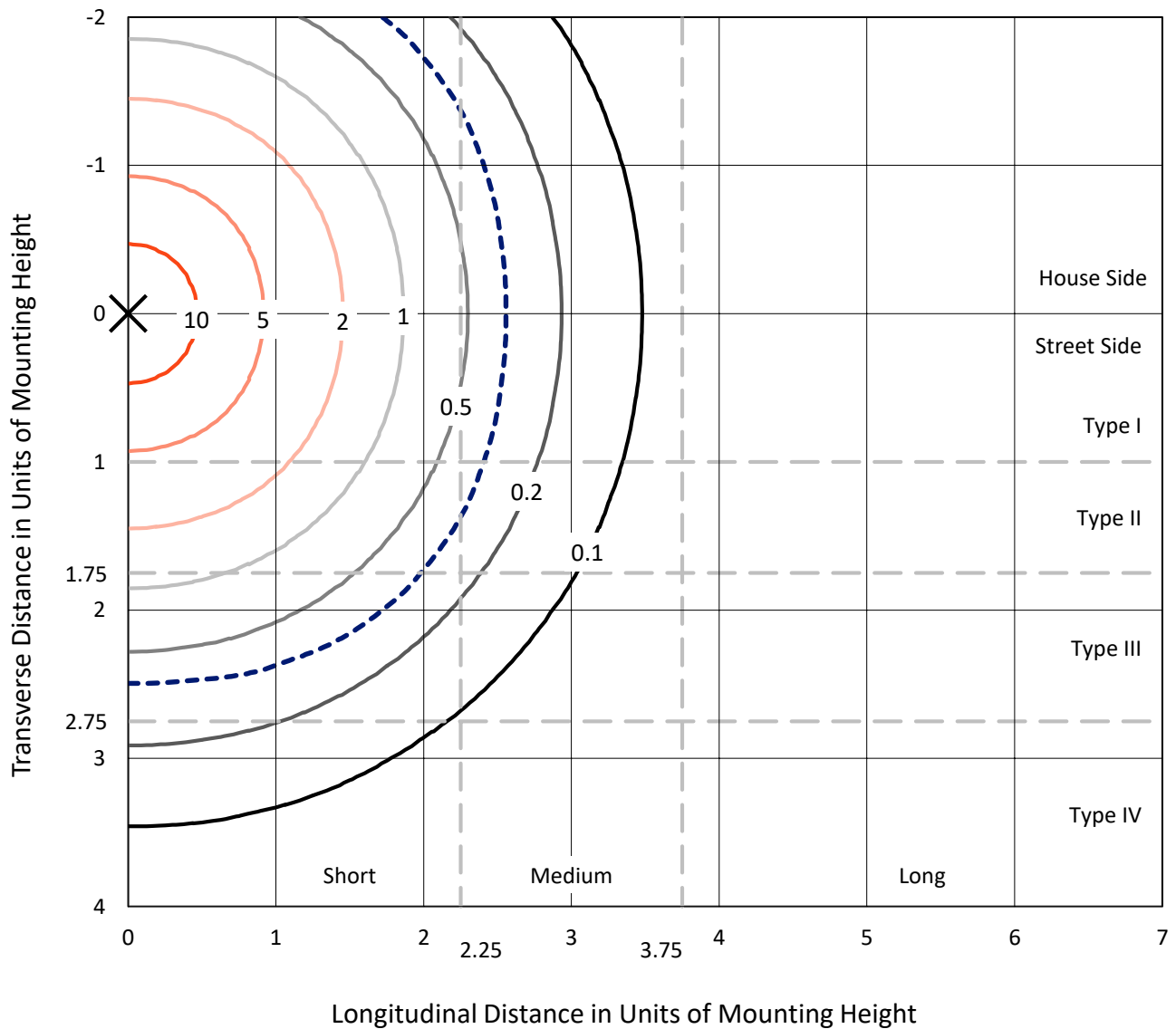


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Iso-Footcandle Lines of Horizontal Illumination

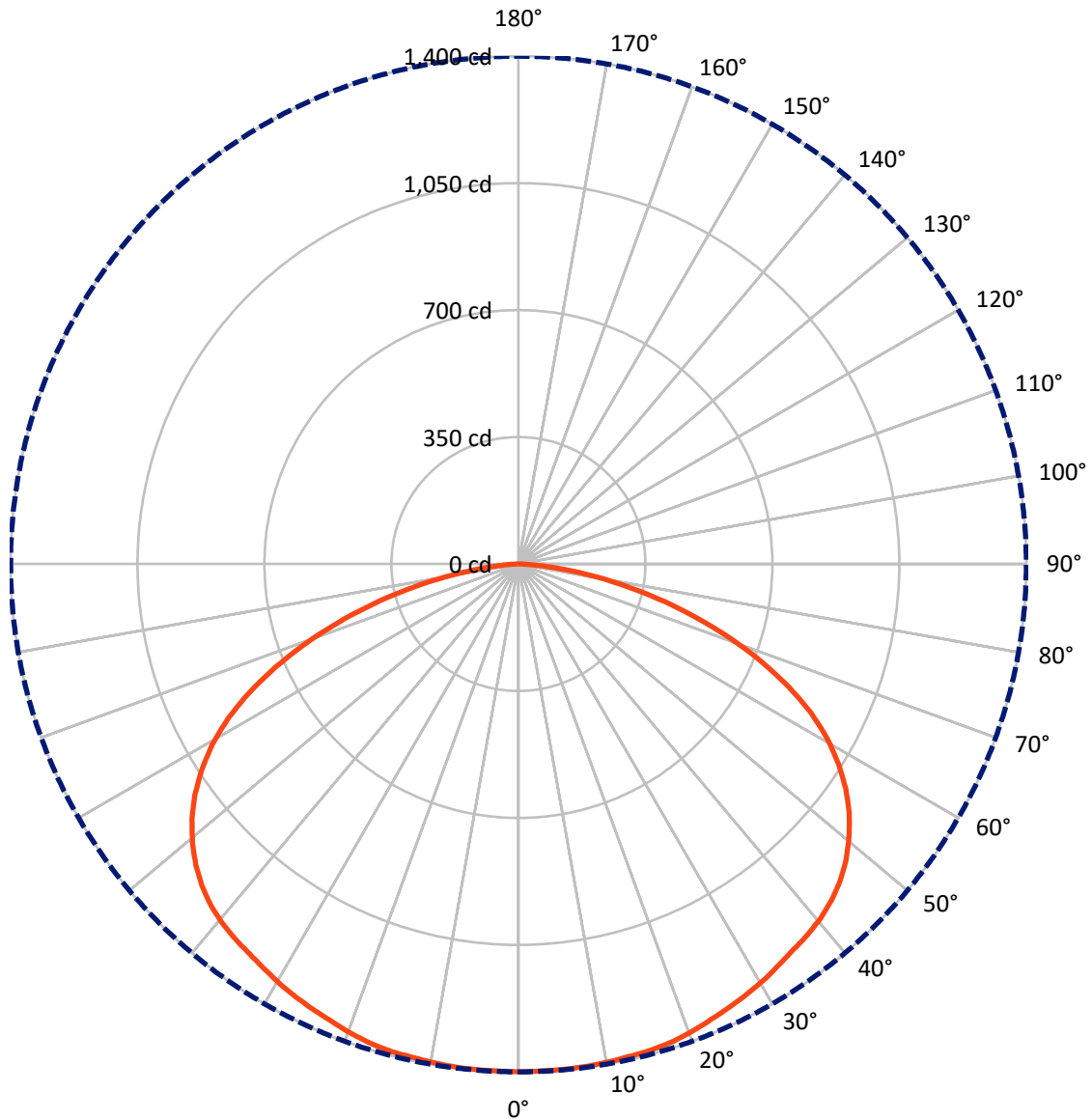
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14 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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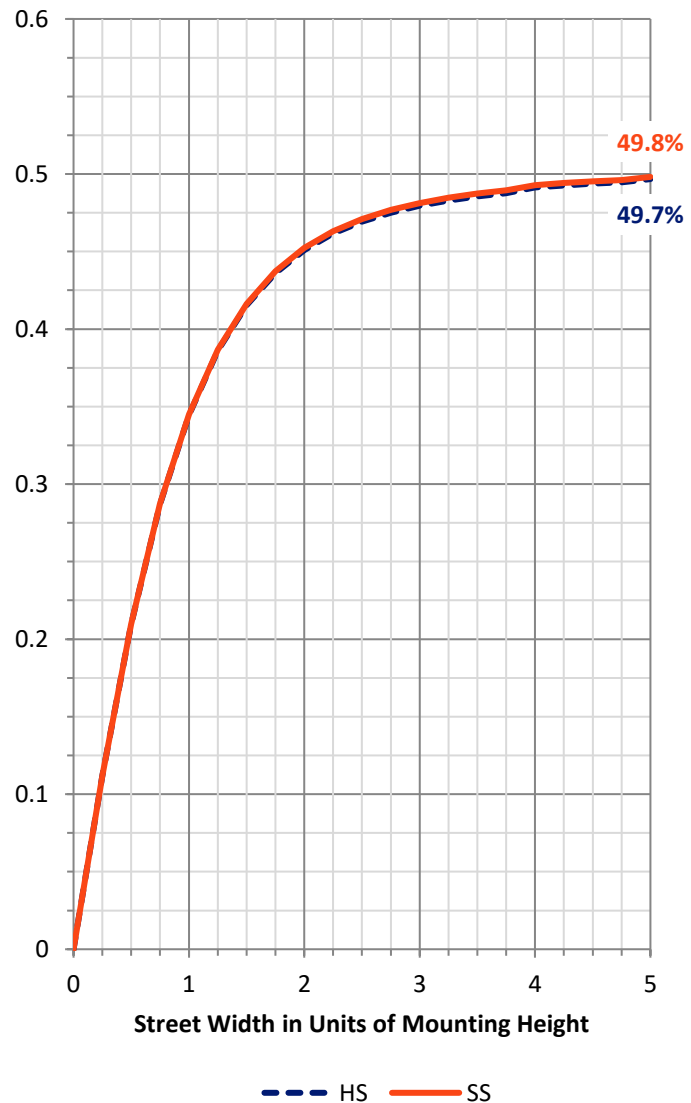
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2664.0	0.0	2664.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2664.0	0.0	2664.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5328.0	0.0	5328.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.4	2.5
10°-20°	392.9	7.4
20°-30°	625.8	11.7
30°-40°	820.5	15.4
40°-50°	967.6	18.2
50°-60°	1002.2	18.8
60°-70°	838.1	15.7
70°-80°	456.8	8.6
80°-90°	90.7	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°	5328.0	100.0
0°-180°	5328.0	100.0



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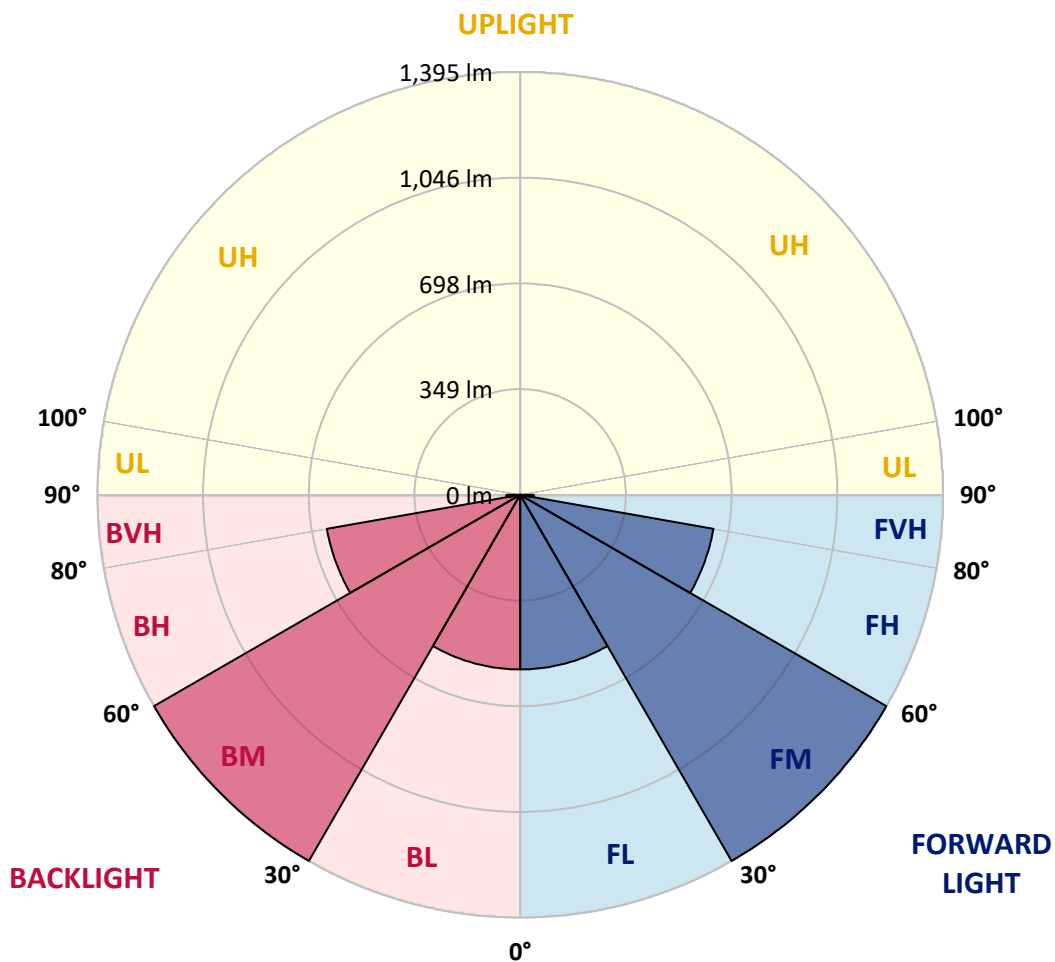
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	576.1	10.8			
FM (30°-60°)	1395.1	26.2			
FH (60°-80°)	647.5	12.2			G0/660
FVH (80°-90°)	45.3	0.9			G1/100
BL (0°-30°)	576.1	10.8	B2/1000		
BM (30°-60°)	1395.1	26.2	B2/2500		
BH (60°-80°)	647.5	12.2	B2/1000		G0/660
BVH (80°-90°)	45.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1400.3	1400.3	1400.3	1400.3	1400.3	1400.3	1400.3	1400.3	1400.3	1400.3	1400.3
2.5°	1399.1	1400.3	1400.3	1400.3	1400.3	1400.3	1400.3	1400.3	1399.1	1400.3	1400.3
5°	1399.1	1399.1	1399.1	1399.1	1400.3	1399.1	1399.1	1399.1	1399.1	1399.1	1399.1
7.5°	1397.9	1396.9	1396.9	1396.9	1396.9	1396.9	1397.9	1397.9	1397.9	1397.9	1397.9
10°	1394.7	1394.7	1394.7	1394.7	1394.7	1394.7	1394.7	1394.7	1394.7	1394.7	1394.7
12.5°	1391.3	1391.3	1391.3	1391.3	1392.3	1392.3	1392.3	1392.3	1392.3	1392.3	1391.3
15°	1389.0	1389.0	1389.0	1389.0	1389.0	1389.0	1389.0	1389.0	1389.0	1389.0	1389.0
17.5°	1383.4	1383.4	1383.4	1383.4	1384.5	1384.5	1384.5	1384.5	1384.5	1384.5	1384.5
20°	1374.5	1374.5	1374.5	1374.5	1374.5	1375.5	1376.7	1376.7	1376.7	1376.7	1376.7
22.5°	1363.2	1363.2	1364.3	1364.3	1365.5	1365.5	1366.6	1366.6	1366.6	1366.6	1366.6
25°	1353.1	1353.1	1353.1	1354.2	1354.2	1354.2	1355.4	1356.5	1356.5	1356.5	1355.4
27.5°	1343.0	1343.0	1343.0	1344.2	1344.2	1344.2	1345.3	1345.3	1346.4	1345.3	1345.3
30°	1331.8	1330.7	1330.7	1331.8	1333.0	1333.0	1334.0	1334.0	1334.0	1334.0	1333.0
32.5°	1318.4	1318.4	1319.4	1320.6	1320.6	1321.8	1322.8	1322.8	1322.8	1324.0	1321.8
35°	1306.0	1307.2	1307.2	1308.3	1310.6	1311.6	1312.8	1313.8	1313.8	1313.8	1311.6
37.5°	1296.0	1297.1	1298.2	1300.4	1302.7	1305.0	1307.2	1309.4	1308.3	1308.3	1305.0
40°	1283.6	1284.7	1287.0	1289.2	1293.7	1296.0	1299.3	1301.6	1302.7	1301.6	1298.2
42.5°	1266.8	1267.9	1270.2	1273.5	1279.1	1283.6	1287.0	1290.4	1291.5	1290.4	1287.0
45°	1244.3	1245.5	1247.7	1252.3	1258.9	1263.5	1269.1	1272.4	1274.7	1274.7	1271.3
47.5°	1216.3	1217.5	1220.9	1225.3	1232.1	1237.7	1244.3	1248.9	1251.1	1253.3	1249.9
50°	1181.6	1182.8	1187.2	1192.8	1198.4	1206.3	1214.1	1220.9	1224.2	1225.3	1224.2
52.5°	1142.4	1143.5	1148.0	1153.6	1161.4	1170.4	1179.4	1187.2	1191.7	1194.0	1191.7
55°	1095.3	1097.5	1100.9	1108.7	1117.7	1125.5	1136.8	1145.7	1151.4	1152.4	1151.4
57.5°	1040.4	1043.7	1047.1	1056.0	1065.0	1076.2	1085.2	1094.1	1100.9	1102.1	1102.1
60°	978.7	980.9	984.3	993.3	1003.4	1011.2	1023.6	1032.5	1038.1	1038.1	1039.2
62.5°	905.8	908.1	913.7	920.4	931.6	939.5	949.5	958.5	964.1	966.3	965.3
65°	820.7	822.9	826.2	835.2	844.2	853.1	863.2	871.0	876.6	877.8	876.6
67.5°	726.4	728.6	731.0	742.2	751.1	754.5	766.8	773.5	776.9	778.0	778.0
70°	626.7	627.8	631.1	636.7	646.9	650.3	658.1	663.7	665.9	670.4	667.1
72.5°	522.5	524.7	532.5	533.7	541.5	546.0	548.2	548.2	553.8	553.8	554.9
75°	419.3	420.4	423.8	424.9	430.5	430.5	429.4	431.6	436.1	436.1	437.2
77.5°	317.2	317.2	322.9	318.4	320.6	316.2	318.4	316.2	319.5	318.4	319.5
80°	221.9	221.9	225.3	220.9	221.9	217.5	218.7	217.5	217.5	218.7	218.7
82.5°	136.8	137.9	140.2	136.8	136.8	133.4	134.6	135.6	135.6	134.6	133.4
85°	67.3	67.3	69.5	68.3	67.3	65.1	66.1	67.3	67.3	66.1	66.1
87.5°	18.0	18.0	19.0	19.0	18.0	16.8	18.0	19.0	19.0	19.0	18.0
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°	1400.3	1400.3	1400.3	1400.3	1400.3	1400.3	1400.3	1400.3
2.5°	1399.1	1399.1	1400.3	1399.1	1400.3	1399.1	1400.3	1400.3
5°	1399.1	1399.1	1399.1	1399.1	1399.1	1399.1	1399.1	1399.1
7.5°	1396.9	1397.9	1396.9	1396.9	1396.9	1397.9	1396.9	1397.9
10°	1394.7	1394.7	1394.7	1394.7	1394.7	1394.7	1394.7	1394.7
12.5°	1391.3	1391.3	1391.3	1391.3	1391.3	1391.3	1391.3	1390.1
15°	1389.0	1387.9	1387.9	1387.9	1386.7	1386.7	1386.7	1386.7
17.5°	1384.5	1383.4	1382.3	1382.3	1382.3	1382.3	1381.1	1381.1
20°	1376.7	1375.5	1374.5	1374.5	1373.3	1373.3	1372.2	1372.2
22.5°	1365.5	1365.5	1364.3	1363.2	1363.2	1362.1	1362.1	1361.0
25°	1355.4	1354.2	1353.1	1352.0	1350.9	1350.9	1349.8	1348.6
27.5°	1344.2	1341.9	1340.8	1339.7	1338.6	1337.4	1336.3	1335.2
30°	1331.8	1329.6	1327.4	1326.2	1324.0	1321.8	1320.6	1319.4
32.5°	1319.4	1317.2	1313.8	1310.6	1308.3	1306.0	1303.8	1302.7
35°	1309.4	1305.0	1301.6	1297.1	1293.7	1290.4	1289.2	1288.1
37.5°	1301.6	1297.1	1291.5	1287.0	1283.6	1279.1	1276.9	1274.7
40°	1293.7	1288.1	1281.4	1275.8	1271.3	1265.7	1263.5	1261.2
42.5°	1282.5	1275.8	1269.1	1262.3	1255.6	1249.9	1246.7	1244.3
45°	1266.8	1260.1	1252.3	1243.3	1236.5	1229.8	1226.5	1224.2
47.5°	1245.5	1238.7	1229.8	1221.9	1214.1	1207.4	1202.9	1200.7
50°	1219.7	1213.0	1204.0	1195.0	1187.2	1179.4	1176.0	1172.6
52.5°	1187.2	1181.6	1171.6	1164.8	1155.8	1148.0	1144.6	1142.4
55°	1146.8	1141.2	1131.2	1124.4	1115.5	1108.7	1104.3	1100.9
57.5°	1097.5	1093.1	1081.9	1075.1	1066.1	1059.4	1056.0	1053.8
60°	1037.0	1032.5	1021.2	1014.6	1006.7	998.9	996.6	994.4
62.5°	961.9	959.7	950.7	942.9	934.9	927.1	924.9	923.7
65°	874.4	872.2	864.4	857.6	850.9	844.2	841.9	839.7
67.5°	774.7	773.5	766.8	761.2	756.7	750.0	748.8	746.6
70°	668.1	665.9	660.3	655.9	652.5	646.9	645.7	643.5
72.5°	557.2	556.0	552.7	547.1	547.1	539.2	538.1	537.0
75°	435.0	440.6	436.1	433.8	433.8	429.4	429.4	428.2
77.5°	318.4	324.0	327.4	322.9	327.4	322.9	322.9	321.8
80°	217.5	221.9	225.3	221.9	227.5	224.3	224.3	228.7
82.5°	132.3	136.8	139.0	137.9	141.2	140.2	139.0	142.4
85°	65.1	67.3	68.3	68.3	69.5	67.3	69.5	70.7
87.5°	16.8	18.0	19.0	18.0	19.0	19.0	19.0	20.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)