

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: P197735

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197735
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115483)
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-E1-5WQ-PM-LWR-LW-7050
Description: TOPTIER LED AREA/SITE LUMINAIRE
WIDE 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: 5003.2 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G2

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

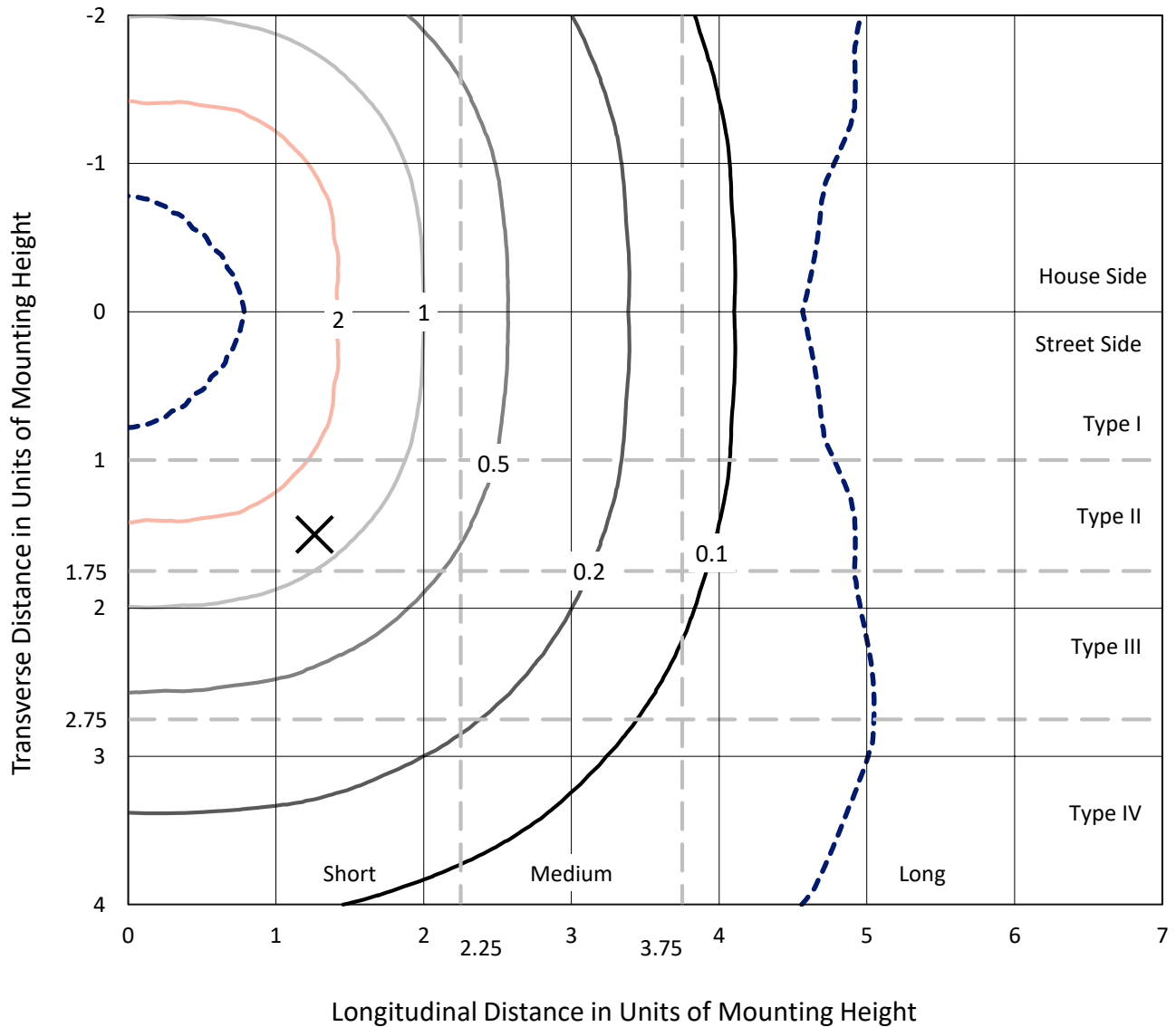


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Iso-Footcandle Lines of Horizontal Illumination

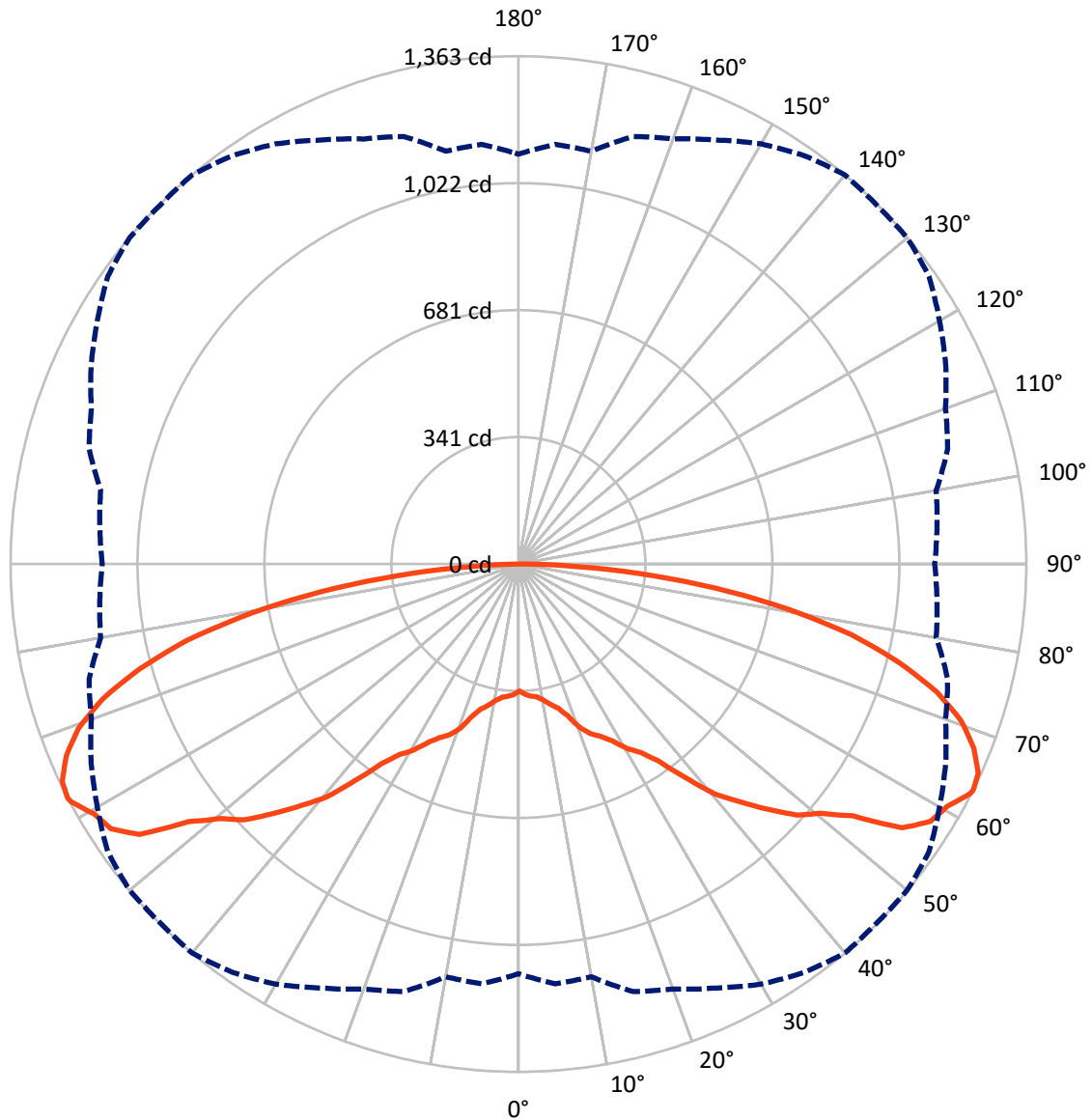
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 63-Deg Vertical

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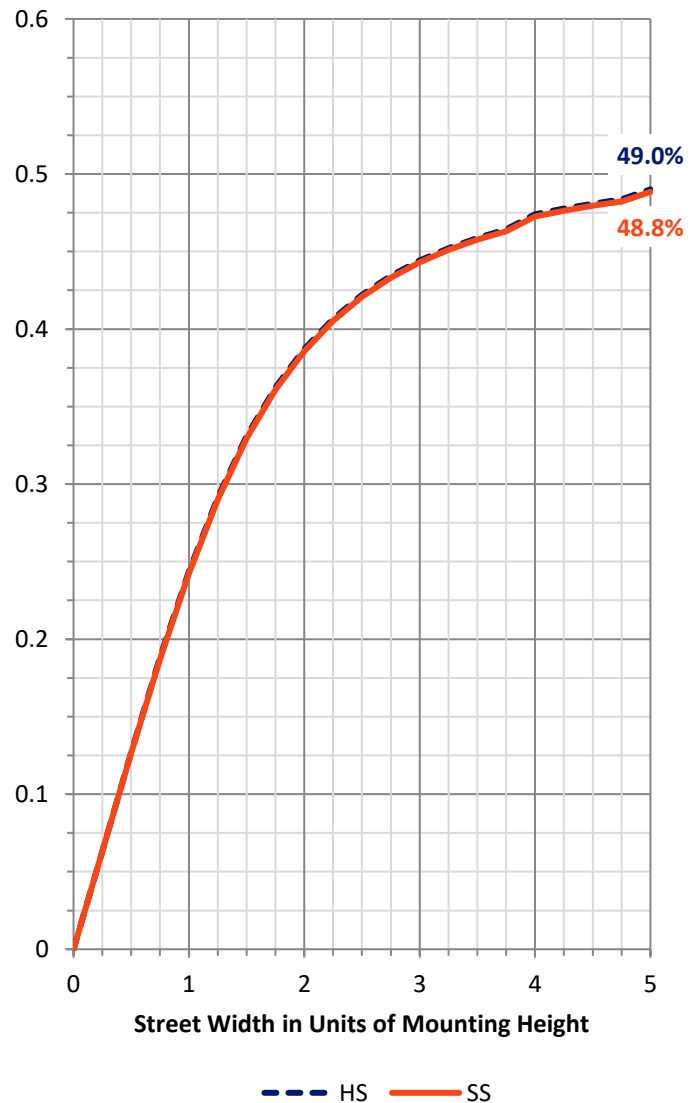
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2501.6	0.0	2501.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2501.6	0.0	2501.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	5003.2	0.0	5003.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.4	0.7
10°-20°	116.9	2.3
20°-30°	237.6	4.7
30°-40°	409.6	8.2
40°-50°	689.9	13.8
50°-60°	1015.9	20.3
60°-70°	1208.1	24.1
70°-80°	978.0	19.5
80°-90°	312.9	6.3
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°	5003.2	100.0
0°-180°	5003.2	100.0



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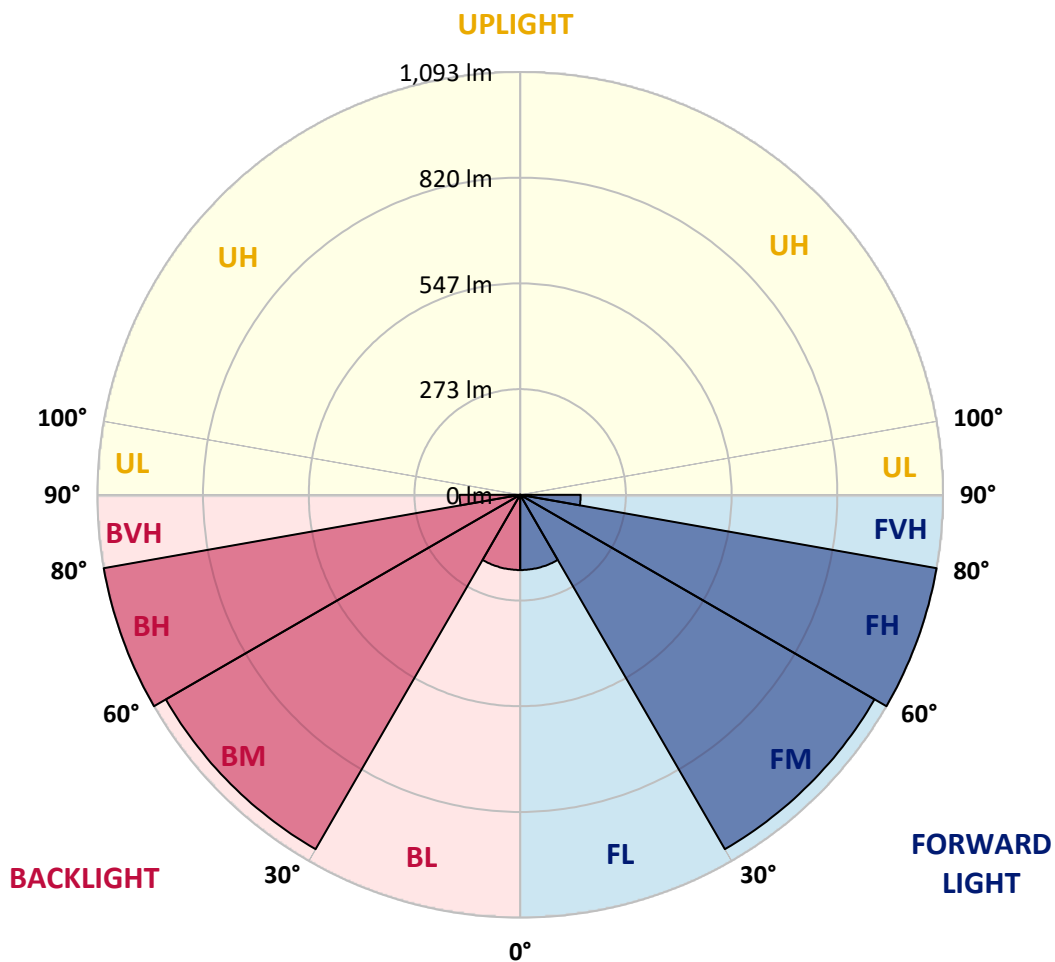
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	194.4	3.9			
FM (30°-60°)	1057.7	21.1			
FH (60°-80°)	1093.0	21.8			G1/1800
FVH (80°-90°)	156.4	3.1			G2/225
BL (0°-30°)	194.4	3.9	B1/500		
BM (30°-60°)	1057.7	21.1	B2/2500		
BH (60°-80°)	1093.0	21.8	B3/2500		G1/1800
BVH (80°-90°)	156.4	3.1			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	340.6	340.6	340.6	340.6	340.6	340.6	340.6	340.6	340.6	340.6	340.6
2.5°	351.3	351.3	351.3	351.3	351.3	351.3	350.3	351.3	350.3	350.3	350.3
5°	358.1	358.1	358.1	358.1	357.1	357.1	356.1	356.1	356.1	355.1	356.1
7.5°	361.0	361.0	361.0	361.0	360.0	360.0	360.0	360.0	360.0	360.0	360.0
10°	367.8	367.8	368.7	369.7	371.6	371.6	371.6	372.6	371.6	371.6	371.6
12.5°	382.3	381.3	383.2	385.1	387.1	388.1	388.1	388.1	387.1	387.1	388.1
15°	402.6	400.6	401.7	402.6	403.6	404.5	404.5	403.6	401.7	401.7	401.7
17.5°	428.7	425.8	424.9	423.9	423.9	425.8	427.7	426.8	427.7	426.8	427.7
20°	459.7	457.7	457.7	457.7	458.7	462.6	466.5	468.4	467.4	465.4	468.4
22.5°	480.0	481.0	485.8	484.8	483.9	487.8	492.6	496.5	494.5	491.6	493.5
25°	502.3	502.3	509.0	511.9	509.0	509.0	511.0	513.9	511.9	510.0	511.9
27.5°	527.4	527.4	530.3	533.2	531.3	531.3	534.2	539.1	538.0	537.1	538.0
30°	557.4	553.6	550.6	555.5	560.4	561.3	564.2	571.9	573.8	572.9	574.9
32.5°	585.5	579.7	581.7	584.5	595.1	599.0	598.1	603.9	602.9	600.0	603.9
35°	612.6	619.4	623.2	629.0	632.9	637.7	637.7	648.4	650.3	647.5	650.3
37.5°	664.8	667.7	678.4	679.3	684.2	702.6	704.6	719.1	726.8	722.9	723.8
40°	736.5	735.5	743.2	754.8	764.5	787.7	794.5	804.2	810.9	808.1	811.9
42.5°	794.5	786.8	792.6	817.7	828.4	845.8	854.5	859.4	872.0	868.0	872.9
45°	836.2	839.0	846.7	872.0	878.7	893.3	913.5	922.3	938.7	933.8	936.8
47.5°	876.7	890.3	897.1	908.7	930.0	949.3	974.5	983.2	1006.4	1004.5	1001.6
50°	930.0	940.6	948.4	957.0	986.2	1018.1	1039.4	1043.2	1050.9	1045.2	1054.8
52.5°	987.1	986.2	992.9	1017.1	1057.7	1070.3	1088.7	1106.1	1122.5	1128.4	1122.5
55°	1062.6	1038.4	1066.5	1101.2	1118.7	1148.7	1193.2	1217.5	1249.4	1254.2	1244.5
57.5°	1093.5	1093.5	1122.5	1142.9	1174.9	1228.1	1275.5	1287.1	1303.5	1294.8	1304.6
60°	1089.7	1126.5	1126.5	1162.3	1214.5	1262.0	1279.3	1298.7	1321.0	1320.0	1320.0
62.5°	1094.6	1130.3	1120.6	1182.6	1214.5	1253.2	1292.0	1327.8	1358.7	1357.7	1356.8
63°	1099.3	1130.3	1124.5	1187.4	1213.5	1255.2	1301.6	1337.4	1362.6	1360.6	1361.6
65°	1113.8	1105.2	1140.0	1179.6	1209.6	1271.6	1310.3	1338.4	1355.8	1354.9	1354.9
67.5°	1086.7	1066.5	1115.8	1131.3	1188.4	1243.5	1273.5	1305.5	1318.0	1318.0	1316.1
70°	1003.6	1012.2	1046.1	1071.3	1129.3	1178.7	1203.9	1244.5	1260.0	1260.0	1259.0
72.5°	919.3	933.8	957.0	992.9	1048.1	1086.7	1116.8	1153.6	1173.8	1172.9	1172.9
75°	811.9	825.5	852.6	886.5	934.8	972.6	996.8	1031.6	1054.8	1063.5	1053.9
77.5°	691.0	694.8	720.0	754.8	797.4	823.5	860.3	894.2	913.5	912.5	909.7
80°	543.8	548.7	570.0	609.6	632.9	663.9	697.8	716.1	732.5	732.5	730.6
82.5°	375.5	386.1	407.4	433.5	457.7	484.8	503.3	521.6	535.2	534.2	531.3
85°	211.9	216.8	237.1	253.5	272.0	289.3	302.0	313.5	325.2	325.2	323.3
87.5°	63.9	57.1	68.8	75.4	85.2	93.9	99.7	111.2	119.0	110.3	110.3
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°	340.6	340.6	340.6	340.6	340.6	340.6	340.6	340.6
2.5°	351.3	351.3	351.3	351.3	351.3	351.3	351.3	351.3
5°	356.1	357.1	357.1	358.1	358.1	358.1	358.1	358.1
7.5°	360.0	360.0	360.0	360.0	361.0	361.0	361.0	361.0
10°	371.6	372.6	371.6	371.6	369.7	368.7	368.7	368.7
12.5°	388.1	389.0	389.0	387.1	385.1	383.2	382.3	381.3
15°	403.6	406.4	404.5	403.6	401.7	402.6	402.6	403.6
17.5°	427.7	428.7	425.8	423.9	423.0	424.9	426.8	427.7
20°	469.4	467.4	461.6	459.7	457.7	457.7	459.7	459.7
22.5°	495.5	490.7	486.7	484.8	484.8	484.8	482.0	478.0
25°	513.9	511.0	508.0	510.0	511.9	509.0	502.3	501.2
27.5°	539.1	533.2	532.3	531.3	532.3	530.3	529.3	525.5
30°	571.9	564.2	562.3	560.4	554.5	552.5	554.5	557.4
32.5°	602.9	598.1	600.0	596.2	585.5	581.7	583.6	582.6
35°	647.5	638.7	638.7	630.9	628.1	627.1	619.4	612.6
37.5°	718.0	706.5	703.5	686.1	678.4	680.3	669.7	662.0
40°	804.2	795.5	787.7	768.3	757.8	744.2	737.4	737.4
42.5°	861.3	855.4	844.8	831.3	819.6	796.4	787.7	792.6
45°	924.2	916.5	894.2	880.7	870.0	853.5	843.9	834.1
47.5°	988.1	977.4	951.3	933.8	908.7	903.9	893.3	879.7
50°	1044.2	1040.3	1021.9	992.9	961.0	953.2	943.6	931.0
52.5°	1112.9	1089.7	1074.2	1061.6	1025.8	1000.7	987.1	992.9
55°	1225.2	1196.2	1156.4	1116.8	1109.1	1079.0	1045.2	1063.5
57.5°	1290.0	1273.5	1243.5	1180.6	1149.7	1129.3	1107.1	1090.6
60°	1305.5	1275.5	1268.7	1221.3	1171.9	1129.3	1138.1	1099.3
62.5°	1335.5	1294.8	1257.1	1219.4	1189.4	1131.3	1129.3	1109.1
63°	1345.1	1304.6	1264.8	1219.4	1192.3	1138.1	1127.4	1116.8
65°	1343.2	1308.4	1278.4	1219.4	1178.7	1157.4	1105.2	1129.3
67.5°	1306.5	1277.4	1242.6	1201.9	1134.2	1117.8	1081.0	1085.8
70°	1247.5	1209.6	1176.8	1139.1	1084.8	1047.1	1024.9	1006.4
72.5°	1155.5	1121.6	1086.7	1052.0	1003.6	958.1	942.5	922.3
75°	1033.5	1000.7	968.7	935.9	890.3	849.7	833.2	818.7
77.5°	894.2	866.1	820.7	789.6	763.6	720.0	704.6	689.0
80°	713.3	699.7	666.7	626.2	612.6	570.0	558.4	538.0
82.5°	518.7	505.2	479.0	450.9	434.5	412.3	392.9	379.4
85°	316.5	302.0	288.4	263.2	253.5	237.1	221.6	213.9
87.5°	114.2	102.6	92.0	80.3	74.5	62.9	60.9	55.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)