

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: P197736

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P197736  
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-7060  
Description: TOPTIER LED AREA/SITE LUMINAIRE  
WIDE 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: 4889.7 lumens  
Efficiency: N/A  
Efficacy: 108.7 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 (A<sub>in</sub>): 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

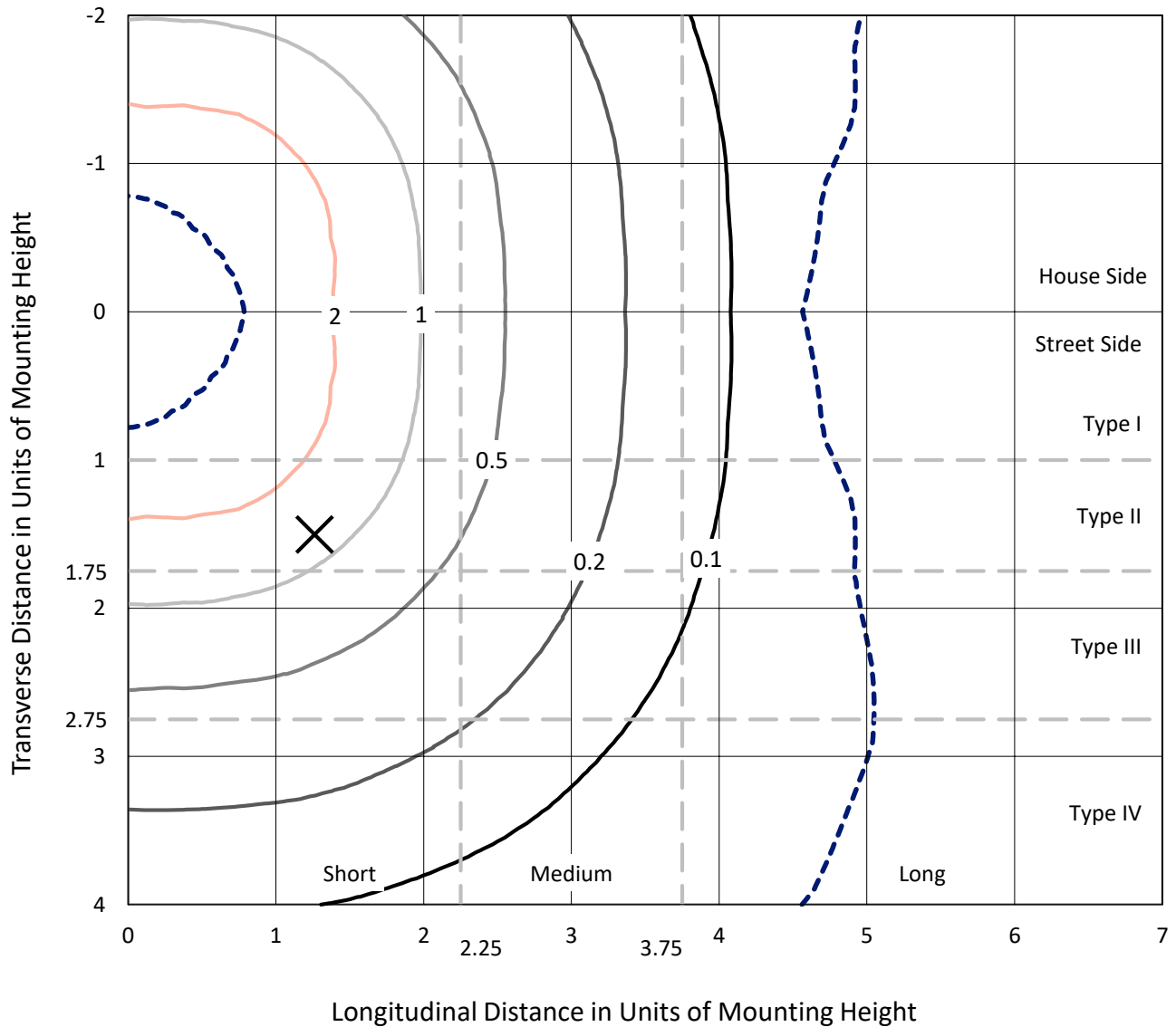


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### Iso-Footcandle Lines of Horizontal Illumination

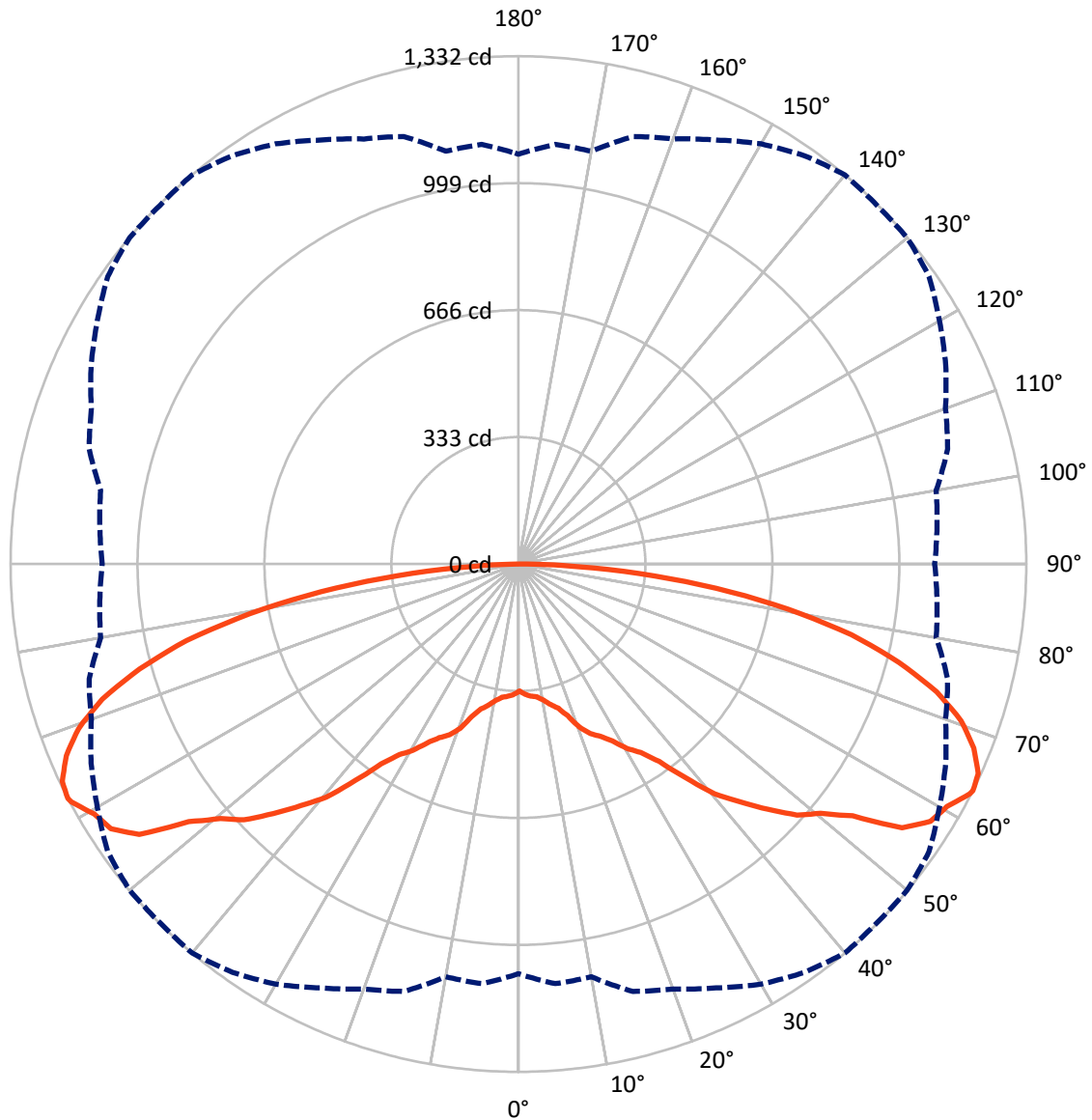
✕ Max cd  
 - - - 1/2 Max cd



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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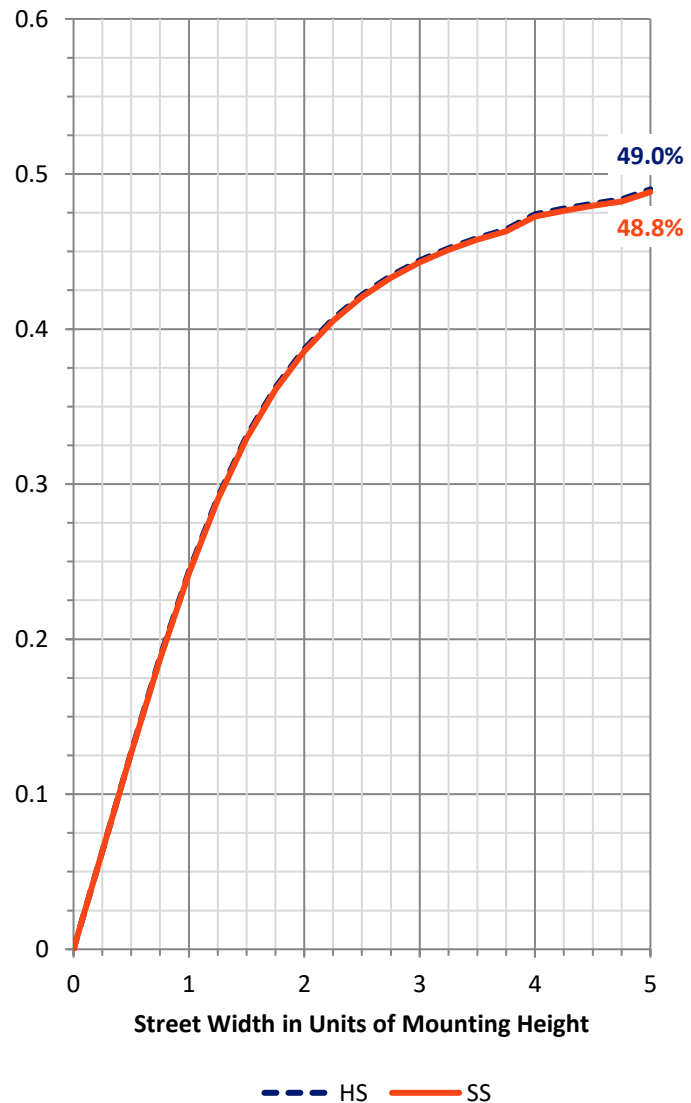
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2444.9	0.0	2444.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2444.9	0.0	2444.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4889.7	0.0	4889.7
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.6	0.7
10°-20°	114.2	2.3
20°-30°	232.2	4.7
30°-40°	400.3	8.2
40°-50°	674.2	13.8
50°-60°	992.9	20.3
60°-70°	1180.7	24.1
70°-80°	955.8	19.5
80°-90°	305.8	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°	4889.7	100.0
0°-180°	4889.7	100.0



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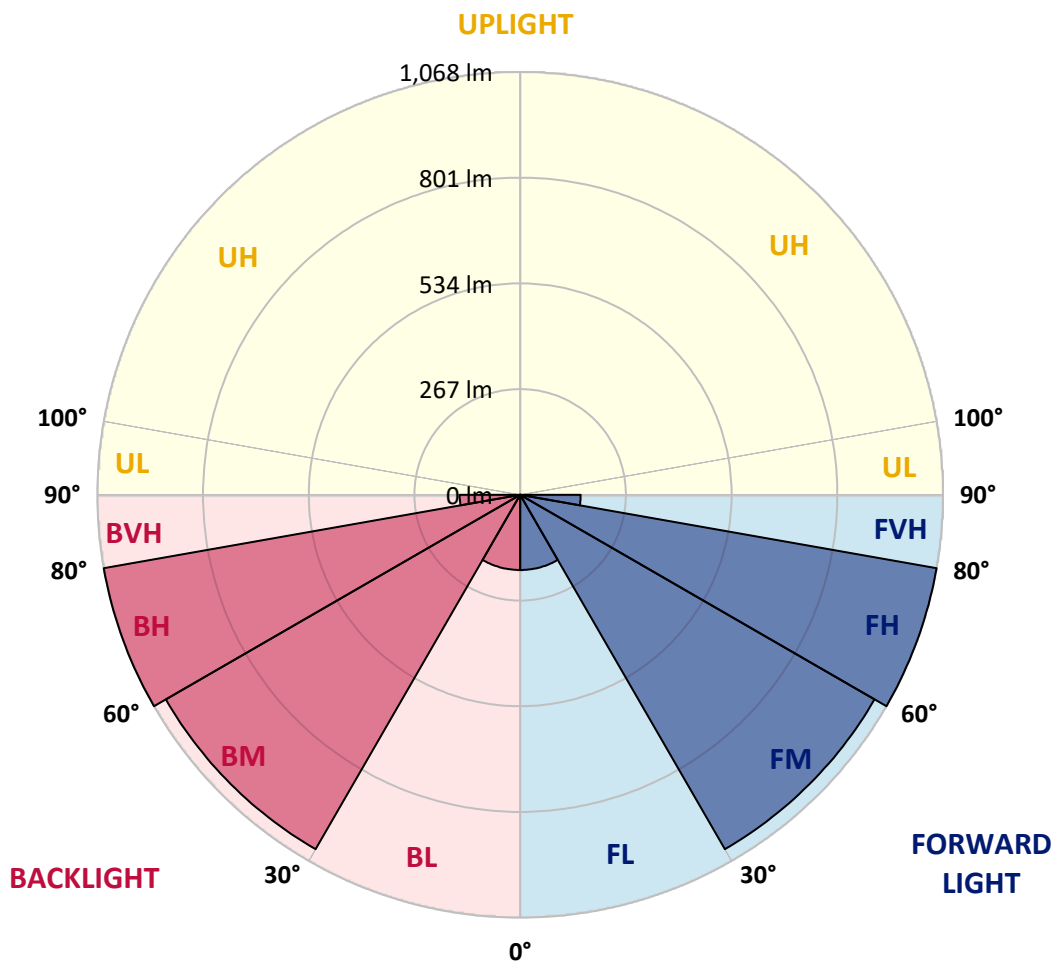
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	190.0	3.9			
FM	(30°-60°)	1033.7	21.1			
FH	(60°-80°)	1068.2	21.8			G1/1800
FVH	(80°-90°)	152.9	3.1			G2/225
BL	(0°-30°)	190.0	3.9	B1/500		
BM	(30°-60°)	1033.7	21.1	B2/2500		
BH	(60°-80°)	1068.2	21.8	B3/2500		G1/1800
BVH	(80°-90°)	152.9	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°	332.9	332.9	332.9	332.9	332.9	332.9	332.9	332.9	332.9	332.9	332.9
2.5°	343.4	343.4	343.4	343.4	343.4	343.4	342.3	343.4	342.3	342.3	342.3
5°	350.0	350.0	350.0	350.0	349.0	349.0	348.0	348.0	348.0	347.1	348.0
7.5°	352.8	352.8	352.8	352.8	351.9	351.9	351.9	351.9	351.9	351.9	351.9
10°	359.4	359.4	360.3	361.3	363.1	363.1	363.1	364.2	363.1	363.1	363.1
12.5°	373.6	372.7	374.5	376.4	378.4	379.3	379.3	379.3	378.4	378.4	379.3
15°	393.5	391.5	392.5	393.5	394.4	395.3	395.3	394.4	392.5	392.5	392.5
17.5°	418.9	416.2	415.2	414.3	414.3	416.2	418.0	417.1	418.0	417.1	418.0
20°	449.3	447.3	447.3	447.3	448.3	452.1	455.9	457.8	456.8	454.9	457.8
22.5°	469.1	470.1	474.8	473.8	472.9	476.7	481.4	485.2	483.3	480.5	482.3
25°	490.9	490.9	497.4	500.3	497.4	497.4	499.4	502.2	500.3	498.5	500.3
27.5°	515.5	515.5	518.3	521.2	519.3	519.3	522.1	526.8	525.8	524.9	525.8
30°	544.8	541.0	538.1	542.9	547.7	548.6	551.4	558.9	560.8	559.9	561.8
32.5°	572.2	566.5	568.5	571.3	581.6	585.5	584.5	590.2	589.2	586.4	590.2
35°	598.7	605.3	609.1	614.8	618.6	623.2	623.2	633.7	635.6	632.8	635.6
37.5°	649.8	652.6	663.0	663.9	668.7	686.6	688.6	702.8	710.3	706.5	707.4
40°	719.8	718.8	726.4	737.7	747.2	769.9	776.5	785.9	792.5	789.8	793.5
42.5°	776.5	768.9	774.6	799.2	809.6	826.6	835.1	839.9	852.2	848.4	853.1
45°	817.2	820.0	827.5	852.2	858.8	873.0	892.8	901.4	917.4	912.7	915.6
47.5°	856.8	870.1	876.7	888.1	908.9	927.8	952.4	960.9	983.6	981.7	978.9
50°	908.9	919.3	926.8	935.3	963.8	995.0	1015.8	1019.5	1027.1	1021.5	1030.9
52.5°	964.7	963.8	970.3	994.0	1033.7	1046.0	1064.0	1081.0	1097.1	1102.8	1097.1
55°	1038.5	1014.9	1042.3	1076.3	1093.3	1122.7	1166.1	1189.9	1221.0	1225.8	1216.3
57.5°	1068.7	1068.7	1097.1	1117.0	1148.2	1200.2	1246.6	1257.9	1273.9	1265.4	1275.0
60°	1065.0	1100.9	1100.9	1135.9	1187.0	1233.3	1250.3	1269.3	1291.0	1290.1	1290.1
62.5°	1069.7	1104.6	1095.2	1155.8	1187.0	1224.8	1262.6	1297.6	1327.9	1327.0	1326.0
63°	1074.4	1104.6	1099.0	1160.4	1186.0	1226.7	1272.1	1307.1	1331.7	1329.7	1330.7
65°	1088.6	1080.1	1114.2	1152.9	1182.2	1242.8	1280.6	1308.0	1325.1	1324.2	1324.2
67.5°	1062.1	1042.3	1090.5	1105.7	1161.5	1215.3	1244.6	1275.9	1288.1	1288.1	1286.3
70°	980.8	989.3	1022.4	1047.0	1103.7	1152.0	1176.6	1216.3	1231.4	1231.4	1230.4
72.5°	898.5	912.7	935.3	970.3	1024.3	1062.1	1091.5	1127.4	1147.2	1146.3	1146.3
75°	793.5	806.7	833.2	866.4	913.6	950.6	974.2	1008.2	1030.9	1039.4	1030.0
77.5°	675.3	679.1	703.7	737.7	779.3	804.9	840.8	873.9	892.8	891.8	889.1
80°	531.5	536.3	557.1	595.8	618.6	648.8	682.0	699.9	715.9	715.9	714.1
82.5°	367.0	377.3	398.1	423.7	447.3	473.8	491.8	509.8	523.0	522.1	519.3
85°	207.1	211.9	231.7	247.8	265.8	282.8	295.1	306.4	317.8	317.8	315.9
87.5°	62.4	55.8	67.2	73.7	83.3	91.7	97.4	108.7	116.3	107.8	107.8
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°	332.9	332.9	332.9	332.9	332.9	332.9	332.9	332.9
2.5°	343.4	343.4	343.4	343.4	343.4	343.4	343.4	343.4
5°	348.0	349.0	349.0	350.0	350.0	350.0	350.0	350.0
7.5°	351.9	351.9	351.9	351.9	352.8	352.8	352.8	352.8
10°	363.1	364.2	363.1	363.1	361.3	360.3	360.3	360.3
12.5°	379.3	380.2	380.2	378.4	376.4	374.5	373.6	372.7
15°	394.4	397.2	395.3	394.4	392.5	393.5	393.5	394.4
17.5°	418.0	418.9	416.2	414.3	413.4	415.2	417.1	418.0
20°	458.7	456.8	451.2	449.3	447.3	447.3	449.3	449.3
22.5°	484.3	479.5	475.7	473.8	473.8	473.8	471.0	467.2
25°	502.2	499.4	496.5	498.5	500.3	497.4	490.9	489.9
27.5°	526.8	521.2	520.2	519.3	520.2	518.3	517.3	513.6
30°	558.9	551.4	549.5	547.7	542.0	540.0	542.0	544.8
32.5°	589.2	584.5	586.4	582.7	572.2	568.5	570.3	569.4
35°	632.8	624.2	624.2	616.6	613.8	612.9	605.3	598.7
37.5°	701.7	690.4	687.6	670.6	663.0	664.9	654.5	647.0
40°	785.9	777.4	769.9	750.9	740.6	727.3	720.7	720.7
42.5°	841.7	836.0	825.7	812.4	801.0	778.4	769.9	774.6
45°	903.2	895.7	873.9	860.7	850.2	834.2	824.7	815.2
47.5°	965.7	955.2	929.7	912.7	888.1	883.4	873.0	859.7
50°	1020.6	1016.7	998.7	970.3	939.2	931.6	922.2	909.9
52.5°	1087.7	1065.0	1049.9	1037.5	1002.5	978.0	964.7	970.3
55°	1197.4	1169.0	1130.2	1091.5	1083.9	1054.5	1021.5	1039.4
57.5°	1260.8	1244.6	1215.3	1153.8	1123.6	1103.7	1082.0	1065.9
60°	1275.9	1246.6	1240.0	1193.6	1145.3	1103.7	1112.3	1074.4
62.5°	1305.2	1265.4	1228.6	1191.7	1162.4	1105.7	1103.7	1083.9
63°	1314.6	1275.0	1236.1	1191.7	1165.2	1112.3	1101.8	1091.5
65°	1312.8	1278.7	1249.4	1191.7	1152.0	1131.1	1080.1	1103.7
67.5°	1276.8	1248.5	1214.4	1174.6	1108.5	1092.4	1056.5	1061.1
70°	1219.2	1182.2	1150.1	1113.2	1060.2	1023.4	1001.6	983.6
72.5°	1129.3	1096.1	1062.1	1028.1	980.8	936.4	921.2	901.4
75°	1010.1	978.0	946.7	914.6	870.1	830.4	814.3	800.1
77.5°	873.9	846.5	802.1	771.7	746.3	703.7	688.6	673.4
80°	697.1	683.8	651.6	612.0	598.7	557.1	545.7	525.8
82.5°	507.0	493.7	468.1	440.7	424.6	402.9	384.0	370.8
85°	309.3	295.1	281.9	257.2	247.8	231.7	216.6	209.1
87.5°	111.6	100.2	89.9	78.5	72.8	61.5	59.5	53.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)