

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: P197831

Luminaire Tested: **TT-C3-LED-E1-WQ-CG-MS/DIM-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115513)
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-WQ-CG-MS/DIM-7050
Description: TOPTIER LED PARKING GARAGE LUMINAIRE
WIDE DISTRIBUTION WITH CLEAR GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (168) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5123.5 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Luminous Opening: Circular (Dia: 1.12' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - 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

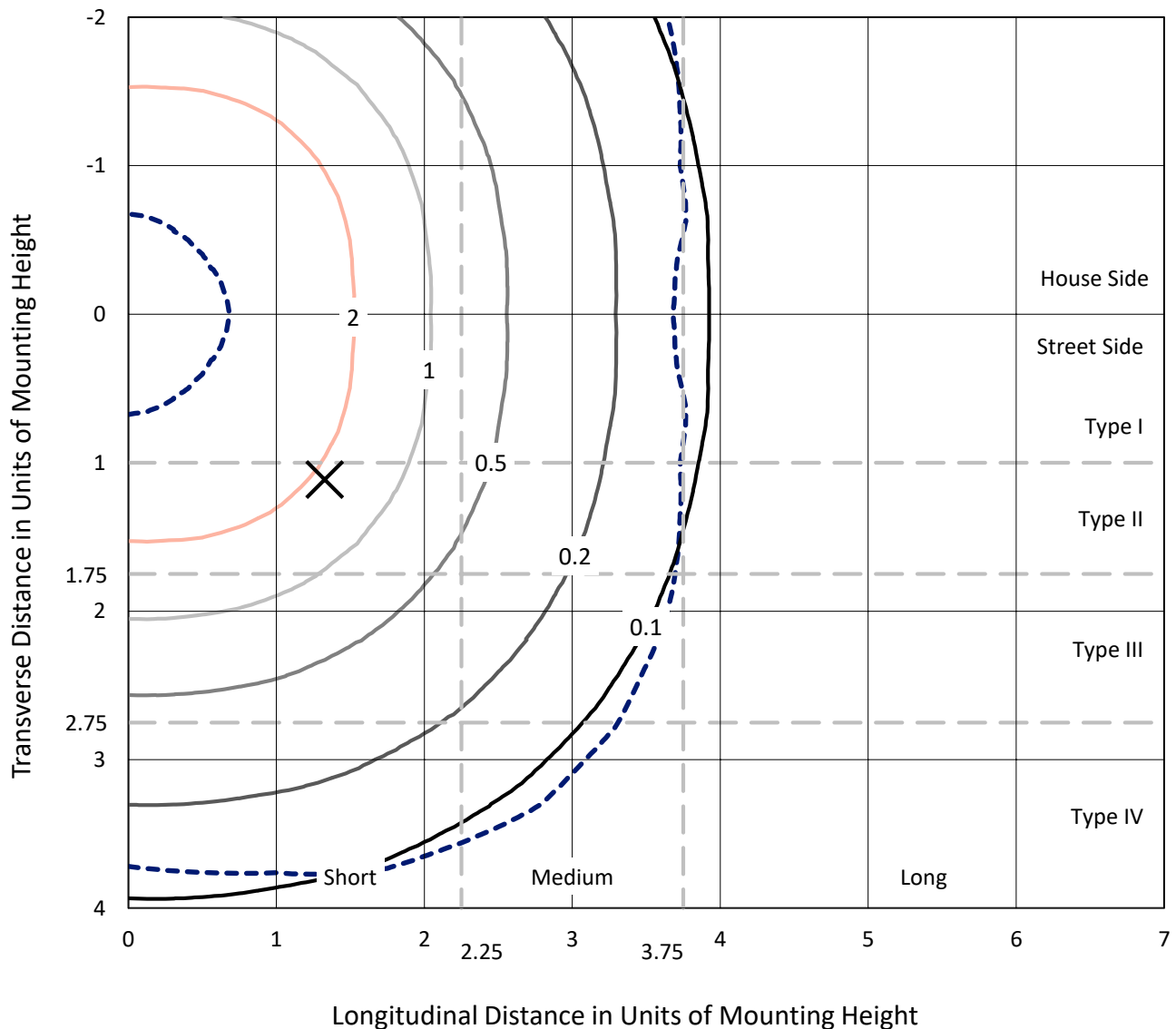


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

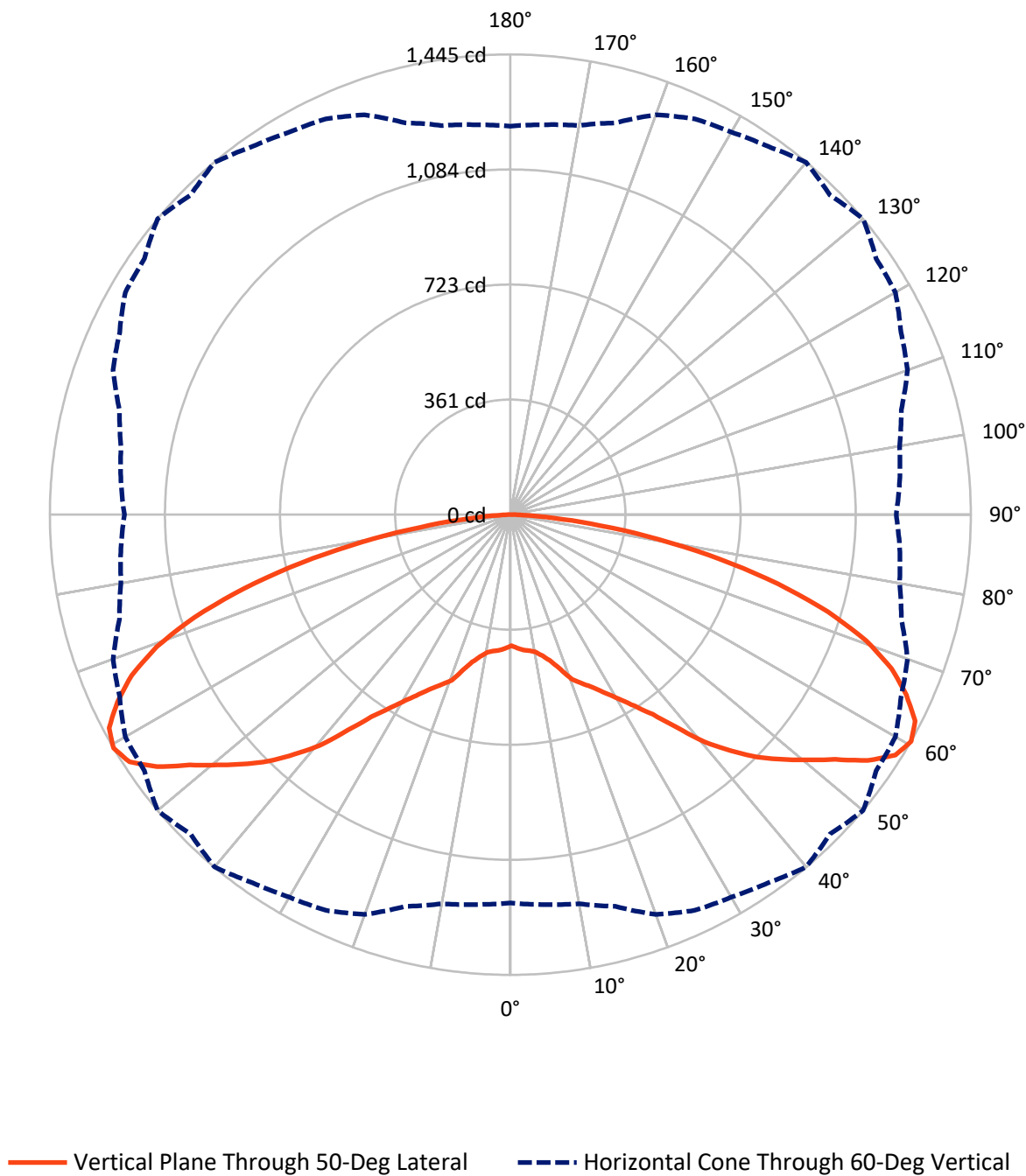


Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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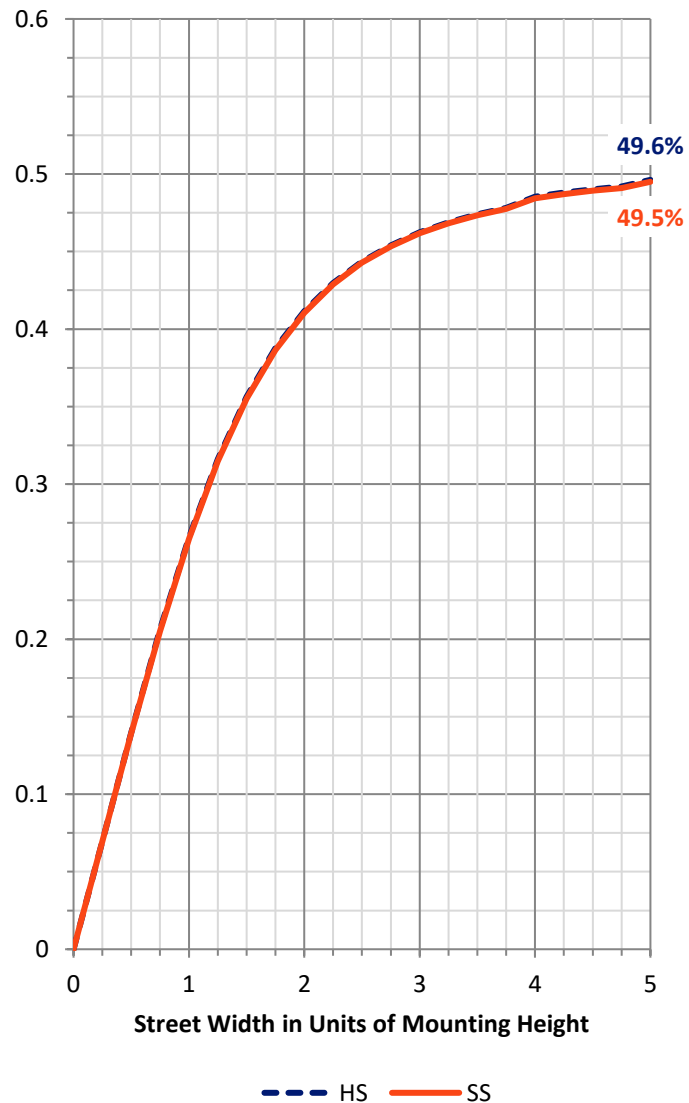
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2561.7	0.0	2561.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2561.7	0.0	2561.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	5123.5	0.0	5123.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.9	0.8
10°-20°	138.2	2.7
20°-30°	279.1	5.4
30°-40°	482.3	9.4
40°-50°	801.1	15.6
50°-60°	1138.5	22.2
60°-70°	1243.6	24.3
70°-80°	826.2	16.1
80°-90°	173.4	3.4
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°	5123.5	100.0
0°-180°	5123.5	100.0

Coefficient of Utilization



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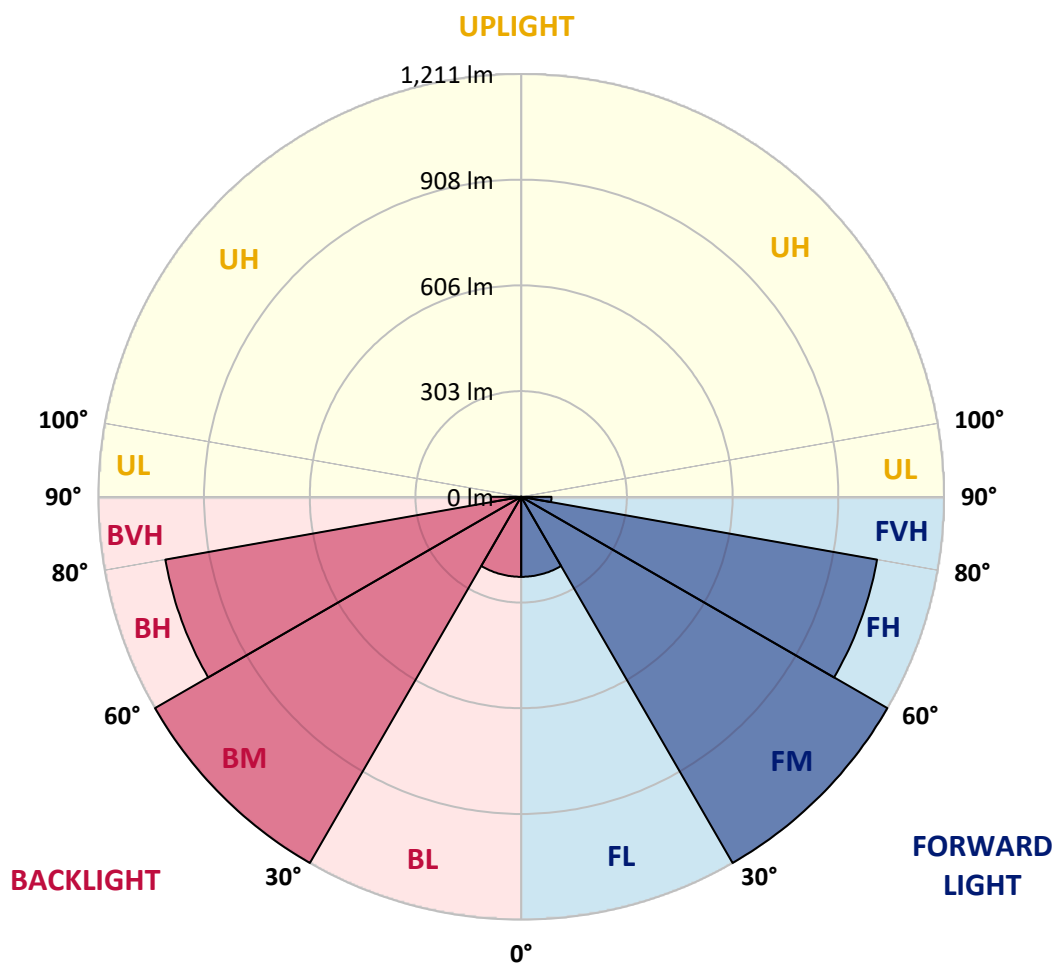
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	229.1	4.5			
FM	(30°-60°)	1211.0	23.6			
FH	(60°-80°)	1034.9	20.2			G1/1800
FVH	(80°-90°)	86.7	1.7			G1/100
BL	(0°-30°)	229.1	4.5	B1/500		
BM	(30°-60°)	1211.0	23.6	B2/2500		
BH	(60°-80°)	1034.9	20.2	B3/2500		G1/1800
BVH	(80°-90°)	86.7	1.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1
2.5°	419.6	419.6	419.6	419.6	419.6	419.6	419.6	419.6	418.5	419.6	419.6
5°	423.8	423.8	423.8	424.9	424.9	424.9	425.9	425.9	425.9	427.0	427.0
7.5°	427.0	427.0	427.0	427.0	428.0	428.0	428.0	429.1	429.1	430.2	431.2
10°	440.8	440.8	440.8	440.8	440.8	439.7	439.7	439.7	438.6	438.6	438.6
12.5°	457.7	458.8	459.8	459.8	459.8	459.8	457.7	455.6	455.6	455.6	455.6
15°	473.6	474.7	475.7	477.8	478.9	480.0	480.0	480.0	480.0	480.0	477.8
17.5°	499.0	500.1	500.1	501.1	502.2	502.2	503.3	506.4	510.7	512.8	510.7
20°	538.2	540.3	541.4	541.4	542.5	541.4	543.5	545.6	548.8	550.9	552.0
22.5°	566.8	568.9	572.1	572.1	572.1	571.1	573.2	574.2	573.2	573.2	575.3
25°	589.1	591.2	593.3	594.4	596.5	600.7	605.0	605.0	601.8	600.7	600.7
27.5°	617.7	620.9	620.9	621.9	624.0	627.2	631.5	634.6	636.8	634.6	633.6
30°	654.8	656.9	657.9	656.9	661.1	662.2	663.2	665.4	671.7	676.0	670.7
32.5°	683.4	686.6	689.7	694.0	703.5	707.7	706.7	708.8	710.9	715.2	716.2
35°	726.8	732.1	733.2	736.3	748.0	754.4	763.9	769.2	768.1	762.8	770.3
37.5°	792.5	798.9	799.9	805.2	816.9	822.2	832.8	846.5	849.7	842.3	846.5
40°	861.4	869.8	877.3	888.9	908.0	914.3	927.1	934.5	945.1	946.1	938.7
42.5°	919.6	929.2	929.2	949.3	970.5	988.5	1004.4	1005.5	1012.9	1023.5	1012.9
45°	982.2	989.6	992.7	1009.7	1022.4	1045.7	1069.0	1077.5	1080.7	1082.8	1086.0
47.5°	1039.4	1048.9	1052.1	1066.9	1080.7	1101.9	1116.7	1142.1	1148.5	1140.0	1148.5
50°	1075.4	1086.0	1094.5	1125.2	1149.6	1167.6	1180.3	1202.5	1215.2	1208.9	1209.9
52.5°	1131.5	1134.7	1143.2	1160.1	1195.1	1243.8	1258.7	1266.1	1284.1	1293.6	1276.7
55°	1207.8	1218.4	1224.8	1244.9	1262.9	1297.9	1354.0	1365.7	1361.5	1391.1	1362.5
57.5°	1220.5	1236.4	1256.6	1294.7	1326.5	1345.6	1380.5	1420.8	1419.7	1424.0	1425.0
60°	1219.5	1229.0	1240.7	1273.5	1336.0	1371.0	1386.9	1411.2	1444.1	1418.7	1445.2
62.5°	1212.1	1225.8	1238.6	1261.9	1295.8	1345.6	1390.1	1386.9	1431.4	1411.2	1426.1
65°	1167.6	1180.3	1203.6	1234.3	1275.6	1298.9	1343.4	1372.0	1365.7	1393.2	1365.7
67.5°	1090.2	1101.9	1120.9	1157.0	1200.4	1234.3	1250.2	1297.9	1292.6	1323.3	1290.5
70°	984.3	999.1	1021.4	1046.8	1089.2	1125.2	1143.2	1173.9	1188.8	1186.6	1184.5
72.5°	857.1	869.8	887.9	915.4	951.4	986.4	1000.2	1023.5	1047.8	1040.4	1042.5
75°	715.2	725.8	739.5	756.5	790.4	817.9	833.8	855.0	874.1	868.8	866.7
77.5°	550.9	563.7	578.5	594.4	608.2	633.6	645.2	660.1	676.0	672.8	673.8
80°	385.7	396.3	405.8	422.7	433.3	441.8	454.5	460.9	472.5	470.4	473.6
82.5°	235.2	242.6	249.0	257.5	267.0	264.9	265.9	273.3	282.9	277.6	286.1
85°	115.5	114.4	120.8	122.9	129.3	128.2	127.1	131.4	136.7	133.5	133.5
87.5°	29.7	29.7	29.7	30.7	33.9	37.1	33.9	36.0	38.1	39.2	38.1
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°	411.1	411.1	411.1	411.1	411.1	411.1	411.1	411.1
2.5°	418.5	419.6	418.5	419.6	419.6	419.6	419.6	418.5
5°	427.0	425.9	425.9	425.9	424.9	423.8	423.8	423.8
7.5°	431.2	431.2	430.2	429.1	428.0	428.0	430.2	429.1
10°	440.8	441.8	442.9	443.9	442.9	441.8	441.8	440.8
12.5°	455.6	456.6	458.8	460.9	460.9	459.8	457.7	456.6
15°	476.8	475.7	476.8	478.9	478.9	475.7	472.5	471.5
17.5°	506.4	503.3	501.1	501.1	503.3	500.1	496.9	498.0
20°	547.8	542.5	541.4	538.2	541.4	541.4	536.1	536.1
22.5°	577.4	573.2	568.9	565.8	570.0	572.1	566.8	562.6
25°	605.0	603.9	597.6	594.4	594.4	595.4	588.0	589.1
27.5°	632.5	632.5	628.3	623.0	620.9	624.0	617.7	615.6
30°	665.4	662.2	665.4	657.9	652.6	655.8	655.8	651.6
32.5°	707.7	703.5	706.7	698.2	690.8	689.7	684.4	678.1
35°	768.1	757.5	752.2	748.0	733.2	732.1	731.1	725.8
37.5°	844.4	830.6	819.0	820.0	798.9	793.6	793.6	786.1
40°	935.5	927.1	910.1	903.7	882.6	868.8	867.7	854.0
42.5°	999.1	1002.3	980.0	965.2	948.2	927.1	928.1	913.3
45°	1069.0	1062.7	1042.5	1018.2	1010.8	987.4	988.5	973.7
47.5°	1135.8	1112.5	1101.9	1075.4	1063.7	1037.2	1040.4	1029.8
50°	1201.5	1176.0	1164.4	1135.8	1116.7	1089.2	1086.0	1063.7
52.5°	1271.4	1247.0	1231.1	1189.8	1164.4	1143.2	1134.7	1124.1
55°	1362.5	1338.1	1298.9	1258.7	1239.6	1206.8	1203.6	1189.8
57.5°	1402.8	1383.7	1342.4	1315.9	1277.8	1243.8	1231.1	1204.6
60°	1401.7	1395.4	1353.0	1326.5	1270.3	1240.7	1226.9	1211.0
62.5°	1390.1	1382.6	1332.8	1303.2	1252.3	1226.9	1216.3	1196.2
65°	1366.7	1341.3	1296.8	1272.5	1217.4	1195.1	1171.8	1153.8
67.5°	1301.1	1248.1	1228.0	1197.2	1143.2	1119.9	1097.6	1079.6
70°	1178.2	1139.0	1120.9	1082.8	1036.2	1021.4	993.8	973.7
72.5°	1021.4	1000.2	981.1	939.8	906.9	892.1	864.5	847.6
75°	847.6	834.9	808.4	777.7	748.0	742.7	713.0	706.7
77.5°	657.9	646.3	625.1	602.9	589.1	578.5	552.0	549.9
80°	460.9	453.5	436.5	427.0	417.4	407.9	389.9	387.8
82.5°	272.3	267.0	268.1	258.5	253.2	251.1	237.3	238.4
85°	131.4	127.1	127.1	127.1	121.8	120.8	112.3	113.4
87.5°	38.1	33.9	33.9	33.9	31.8	31.8	27.5	28.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)