

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: P197904

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197904
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115558)
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-SG-MS/DIM-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
WIDE DISTRIBUTION WITH SOFTENING GLASS LENS AND DIMMING OCCUPANCY SENSOR
Light Source: (168) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4949.1 lumens
Efficiency: N/A
Efficacy: 110.0 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

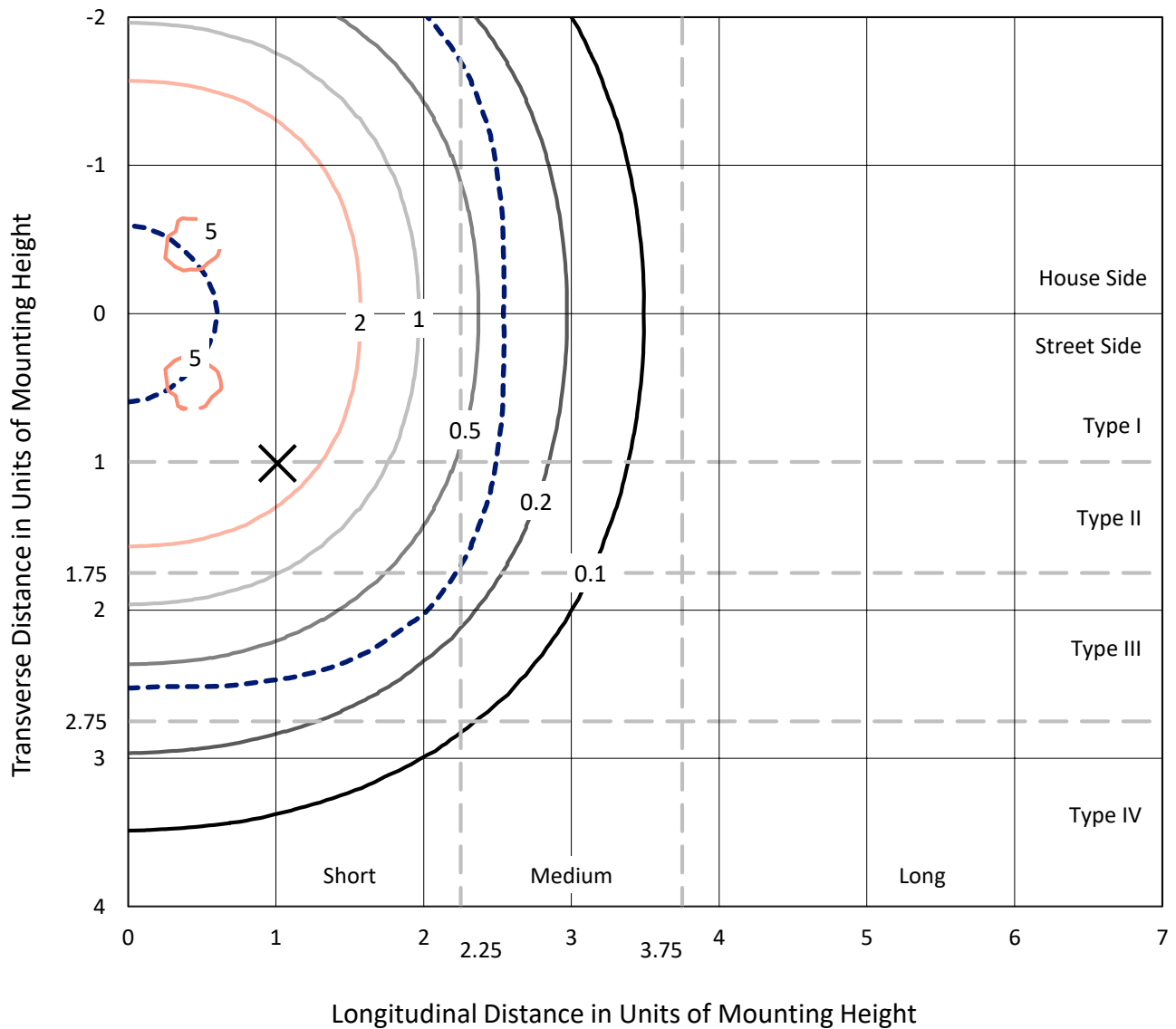


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

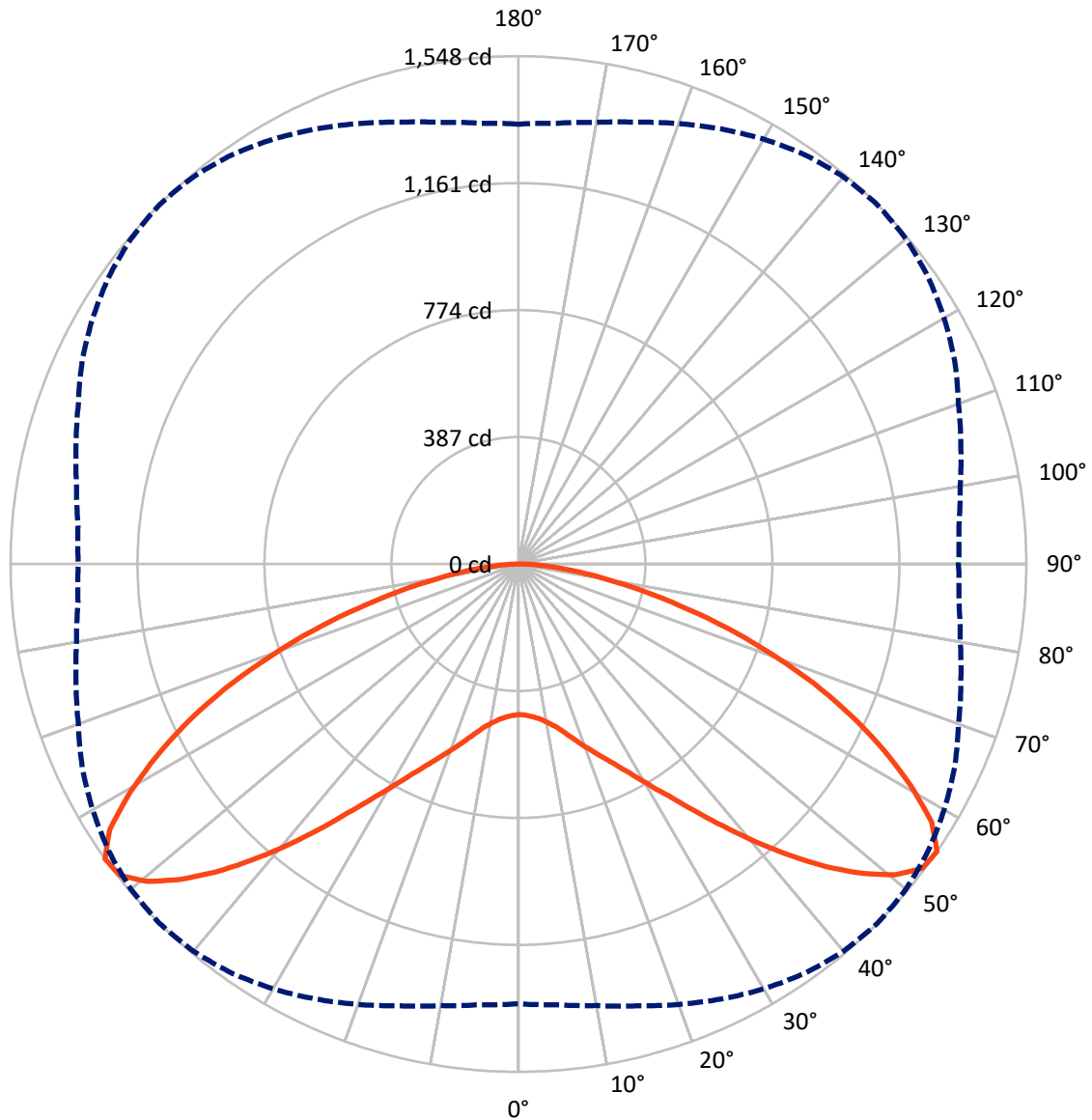


Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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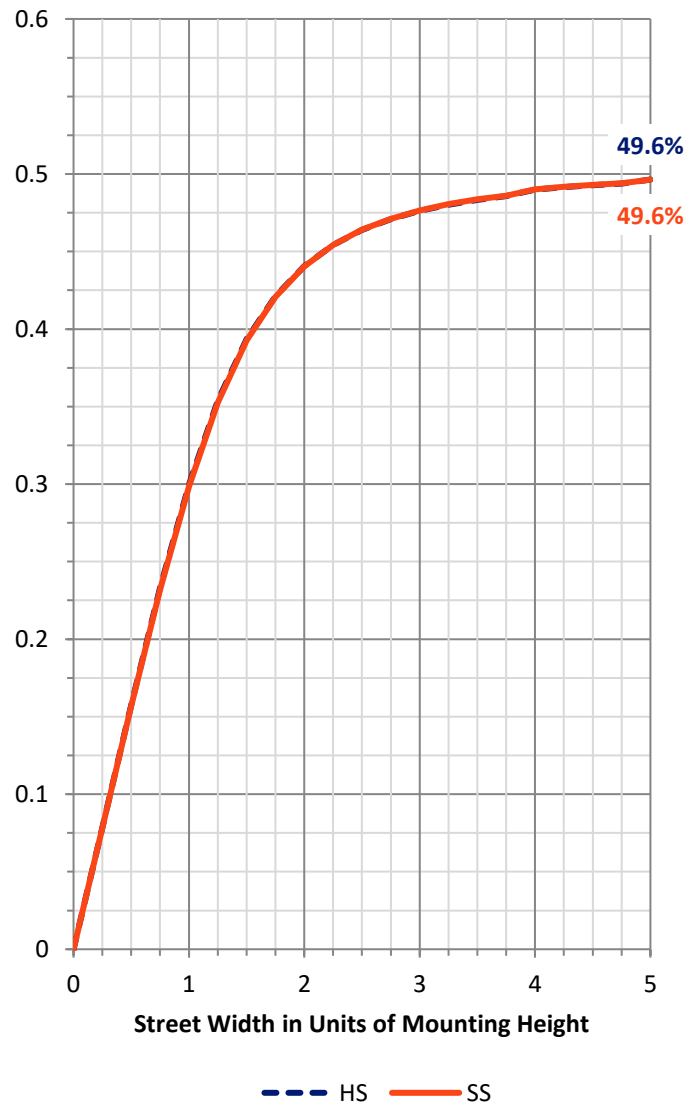
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2474.5	0.0	2474.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2474.5	0.0	2474.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4949.1	0.0	4949.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.3	0.9
10°-20°	153.6	3.1
20°-30°	312.9	6.3
30°-40°	571.3	11.5
40°-50°	970.1	19.6
50°-60°	1263.4	25.5
60°-70°	1021.8	20.6
70°-80°	502.1	10.1
80°-90°	108.7	2.2
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°	4949.1	100.0
0°-180°	4949.1	100.0



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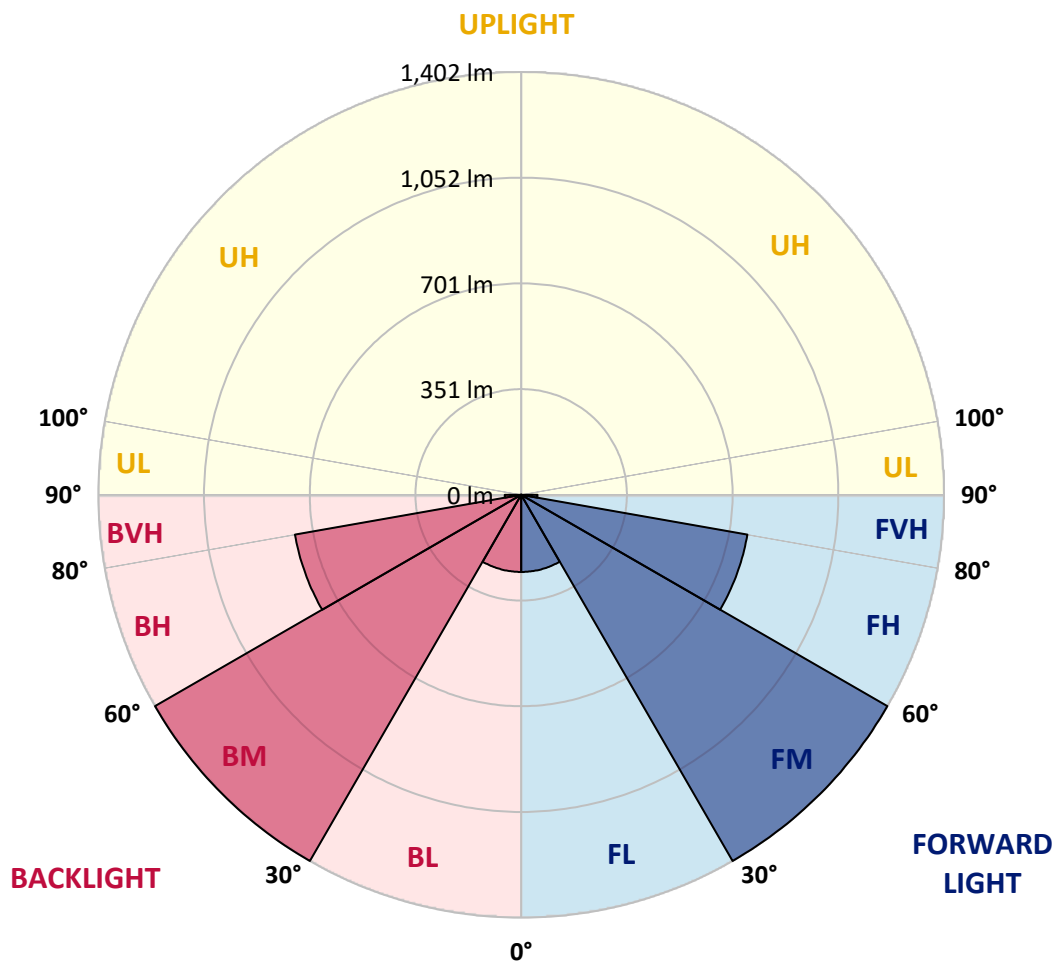
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	255.9	5.2			
FM	(30°-60°)	1402.4	28.3			
FH	(60°-80°)	761.9	15.4			G1/1800
FVH	(80°-90°)	54.3	1.1			G1/100
BL	(0°-30°)	255.9	5.2	B1/500		
BM	(30°-60°)	1402.4	28.3	B2/2500		
BH	(60°-80°)	761.9	15.4	B2/1000		G1/1800
BVH	(80°-90°)	54.3	1.1			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°	458.6	458.6	458.6	458.6	458.6	458.6	458.6	458.6	458.6	458.6	458.6
2.5°	460.6	460.6	460.6	460.6	460.6	460.6	461.6	461.6	461.6	461.6	461.6
5°	466.7	466.7	466.7	467.7	467.7	467.7	467.7	467.7	467.7	467.7	467.7
7.5°	475.8	474.7	475.8	475.8	475.8	476.8	476.8	475.8	476.8	476.8	476.8
10°	488.9	487.9	488.9	488.9	488.9	490.0	490.0	490.0	490.0	491.0	491.0
12.5°	508.2	507.2	508.2	509.2	508.2	509.2	509.2	509.2	509.2	509.2	509.2
15°	532.5	531.5	532.5	533.5	532.5	534.5	534.5	533.5	533.5	534.5	534.5
17.5°	561.8	559.9	560.8	561.8	561.8	563.9	563.9	562.9	563.9	564.8	563.9
20°	592.2	590.2	591.2	594.2	594.2	595.3	597.2	596.3	597.2	598.3	597.2
22.5°	625.6	624.6	625.6	628.6	628.6	629.6	632.6	632.6	632.6	633.7	632.6
25°	662.1	661.0	662.1	665.1	665.1	667.1	671.2	671.2	672.2	673.2	672.2
27.5°	704.6	703.6	705.5	708.6	709.7	712.7	717.8	718.8	719.7	720.8	718.8
30°	754.2	752.1	755.1	760.2	762.3	766.3	772.4	774.4	775.4	778.4	776.5
32.5°	810.8	808.9	812.9	818.9	822.0	828.0	836.2	838.2	841.2	843.3	840.3
35°	877.6	876.7	880.7	889.9	894.9	902.0	913.1	916.2	918.2	922.3	918.2
37.5°	951.6	950.5	957.7	967.8	976.9	988.0	1000.1	1005.2	1008.3	1013.4	1008.3
40°	1033.6	1032.5	1041.6	1053.9	1064.9	1079.1	1094.3	1101.4	1107.5	1112.6	1106.5
42.5°	1117.6	1117.6	1128.7	1141.9	1158.1	1175.3	1192.5	1200.6	1210.7	1213.7	1206.7
45°	1198.6	1199.5	1210.7	1226.9	1250.2	1272.4	1291.7	1301.8	1312.9	1316.0	1306.9
47.5°	1275.5	1276.6	1286.6	1308.0	1334.3	1359.5	1382.8	1397.0	1408.1	1409.1	1402.1
50°	1338.3	1342.3	1355.5	1374.7	1402.1	1428.4	1456.7	1475.0	1486.1	1489.2	1482.0
52.5°	1362.6	1369.7	1384.9	1409.1	1440.5	1467.8	1499.2	1522.5	1535.6	1540.7	1534.7
55°	1340.3	1348.4	1366.7	1394.0	1428.4	1462.8	1495.2	1522.5	1540.7	1547.9	1541.8
57.5°	1290.7	1291.7	1309.9	1337.3	1368.6	1404.0	1435.4	1460.8	1478.0	1485.1	1484.1
60°	1204.6	1204.6	1221.9	1248.2	1272.4	1308.9	1335.3	1354.4	1366.7	1374.7	1372.7
62.5°	1089.3	1089.3	1104.4	1131.7	1156.1	1187.4	1212.8	1233.0	1241.1	1250.2	1252.3
65°	960.7	960.7	974.9	1002.2	1024.5	1052.8	1077.1	1096.3	1104.4	1115.6	1113.5
67.5°	824.0	823.1	836.2	859.4	880.7	907.0	930.3	948.6	957.7	970.8	961.7
70°	683.3	683.3	694.5	712.7	727.8	754.2	776.5	794.7	801.7	812.9	807.8
72.5°	549.7	548.7	557.8	572.0	584.1	607.4	620.5	640.8	646.8	662.1	654.0
75°	429.2	427.2	434.3	444.4	452.5	467.7	477.9	494.0	499.1	509.2	505.2
77.5°	323.0	321.9	324.9	332.1	338.1	350.3	354.3	362.4	366.4	376.6	368.5
80°	231.8	228.8	231.8	235.9	237.9	247.1	248.0	251.1	253.1	260.2	252.0
82.5°	155.9	151.9	153.9	156.9	156.9	161.9	163.0	161.9	166.0	168.1	164.0
85°	89.0	86.0	87.1	89.0	88.1	91.1	91.1	90.1	93.1	93.1	91.1
87.5°	29.4	27.3	28.4	29.4	29.4	30.3	31.4	30.3	32.4	32.4	30.3
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°	458.6	458.6	458.6	458.6	458.6	458.6	458.6	458.6
2.5°	461.6	461.6	461.6	461.6	461.6	461.6	461.6	461.6
5°	467.7	467.7	467.7	467.7	467.7	466.7	466.7	466.7
7.5°	476.8	476.8	476.8	476.8	476.8	475.8	475.8	475.8
10°	491.0	490.0	490.0	490.0	490.0	488.9	490.0	488.9
12.5°	509.2	510.2	510.2	509.2	510.2	508.2	508.2	508.2
15°	534.5	533.5	533.5	533.5	533.5	532.5	532.5	532.5
17.5°	562.9	562.9	561.8	561.8	560.8	559.9	559.9	559.9
20°	596.3	595.3	594.2	593.2	592.2	590.2	589.2	589.2
22.5°	630.7	629.6	628.6	627.7	626.6	624.6	622.6	622.6
25°	669.1	667.1	666.1	664.1	662.1	660.0	659.1	658.0
27.5°	715.7	713.7	710.6	707.6	703.6	702.5	700.6	700.6
30°	771.4	768.4	764.3	759.3	755.1	751.1	749.1	748.1
32.5°	836.2	832.2	825.0	818.9	811.9	807.8	804.8	802.8
35°	912.1	906.0	897.9	888.8	879.7	872.7	867.6	867.6
37.5°	1001.2	992.0	979.9	968.8	955.6	947.5	941.4	937.4
40°	1098.4	1085.2	1070.0	1055.8	1040.7	1029.5	1020.4	1021.5
42.5°	1194.6	1183.4	1165.2	1148.0	1128.7	1113.5	1102.4	1101.4
45°	1295.7	1281.6	1259.3	1237.0	1214.8	1196.5	1183.4	1181.3
47.5°	1389.9	1374.7	1348.4	1321.1	1296.8	1276.6	1262.4	1260.3
50°	1466.9	1448.7	1421.3	1391.9	1365.6	1343.4	1328.1	1324.1
52.5°	1516.5	1496.2	1466.9	1431.4	1403.1	1377.7	1359.5	1354.4
55°	1524.6	1498.3	1466.9	1427.3	1396.0	1367.6	1347.4	1341.3
57.5°	1468.9	1440.5	1412.2	1377.7	1346.4	1316.0	1299.8	1291.7
60°	1360.6	1338.3	1315.0	1283.6	1258.4	1230.0	1216.8	1212.8
62.5°	1236.0	1216.8	1195.5	1163.2	1141.9	1116.6	1104.4	1099.4
65°	1102.4	1080.2	1059.9	1033.6	1010.3	989.0	971.9	969.8
67.5°	954.6	931.4	914.1	890.9	867.6	847.3	836.2	830.1
70°	798.7	779.5	762.3	736.9	721.8	702.5	694.5	688.4
72.5°	643.8	632.6	611.4	595.3	578.1	562.9	557.8	551.7
75°	498.0	484.9	468.7	458.6	445.4	437.4	433.2	429.2
77.5°	365.4	354.3	345.2	341.2	335.1	327.0	324.0	320.9
80°	253.1	248.0	242.0	240.9	236.9	230.8	229.8	228.8
82.5°	164.0	161.0	158.9	158.9	156.9	152.8	151.9	151.9
85°	91.1	90.1	91.1	90.1	88.1	86.0	86.0	86.0
87.5°	30.3	30.3	31.4	32.4	29.4	29.4	28.4	28.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)