

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: P197812

Luminaire Tested: **TT-C4-LED-E1-5WQ-PM-CG-LWR-LW-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P197812
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P115528)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TT-C4-LED-E1-5WQ-PM-CG-LWR-LW-7060
Description: TOPTIER LED AREA/SITE LUMINAIRE
WIDE DISTRIBUTION WITH CLEAR GLASS LENS AND LumaWatt WIRELESS SENSOR
Light Source: (160) 5700K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5883 lumens
Efficiency: N/A
Efficacy: 101.4 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): 58
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

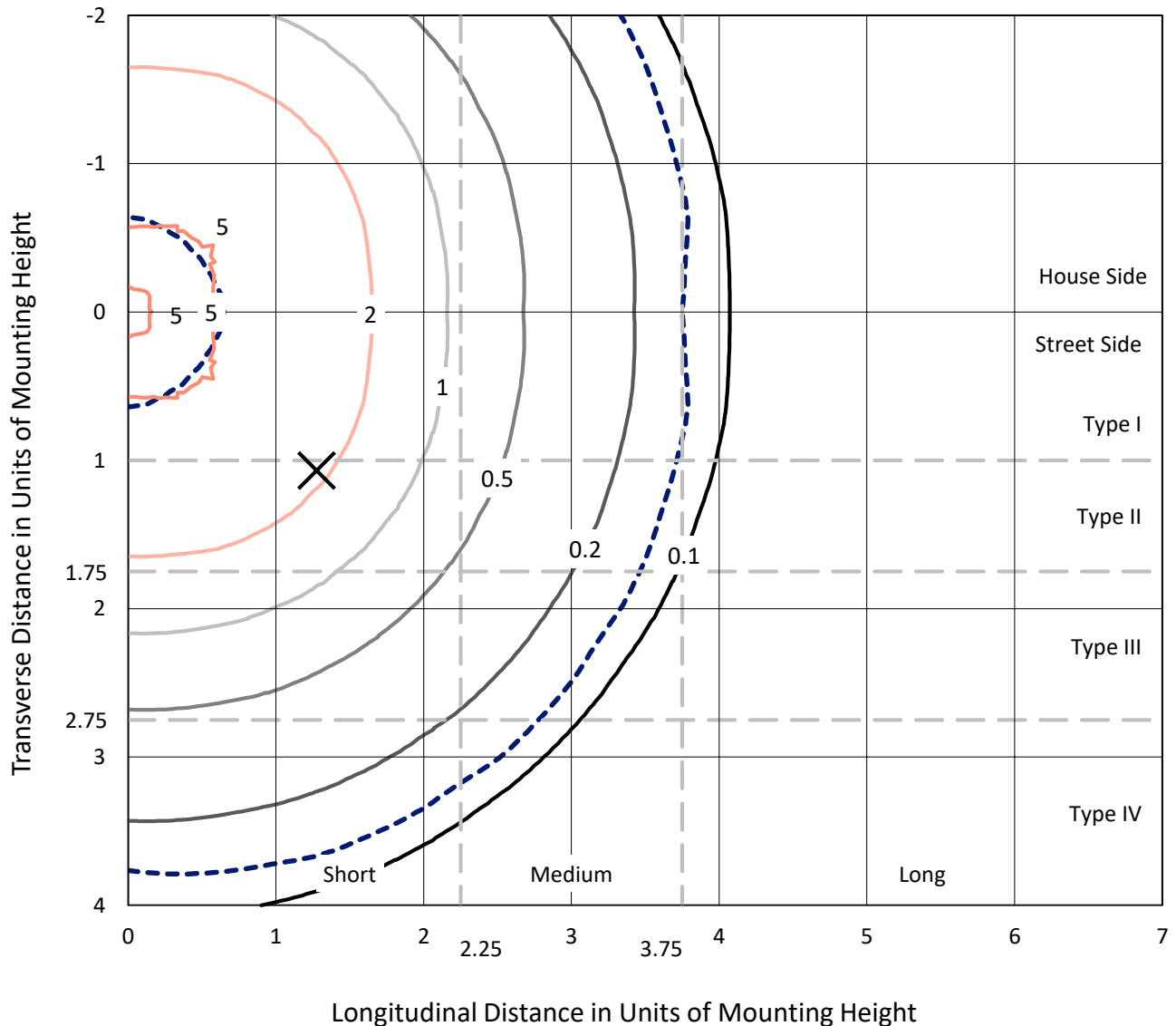


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

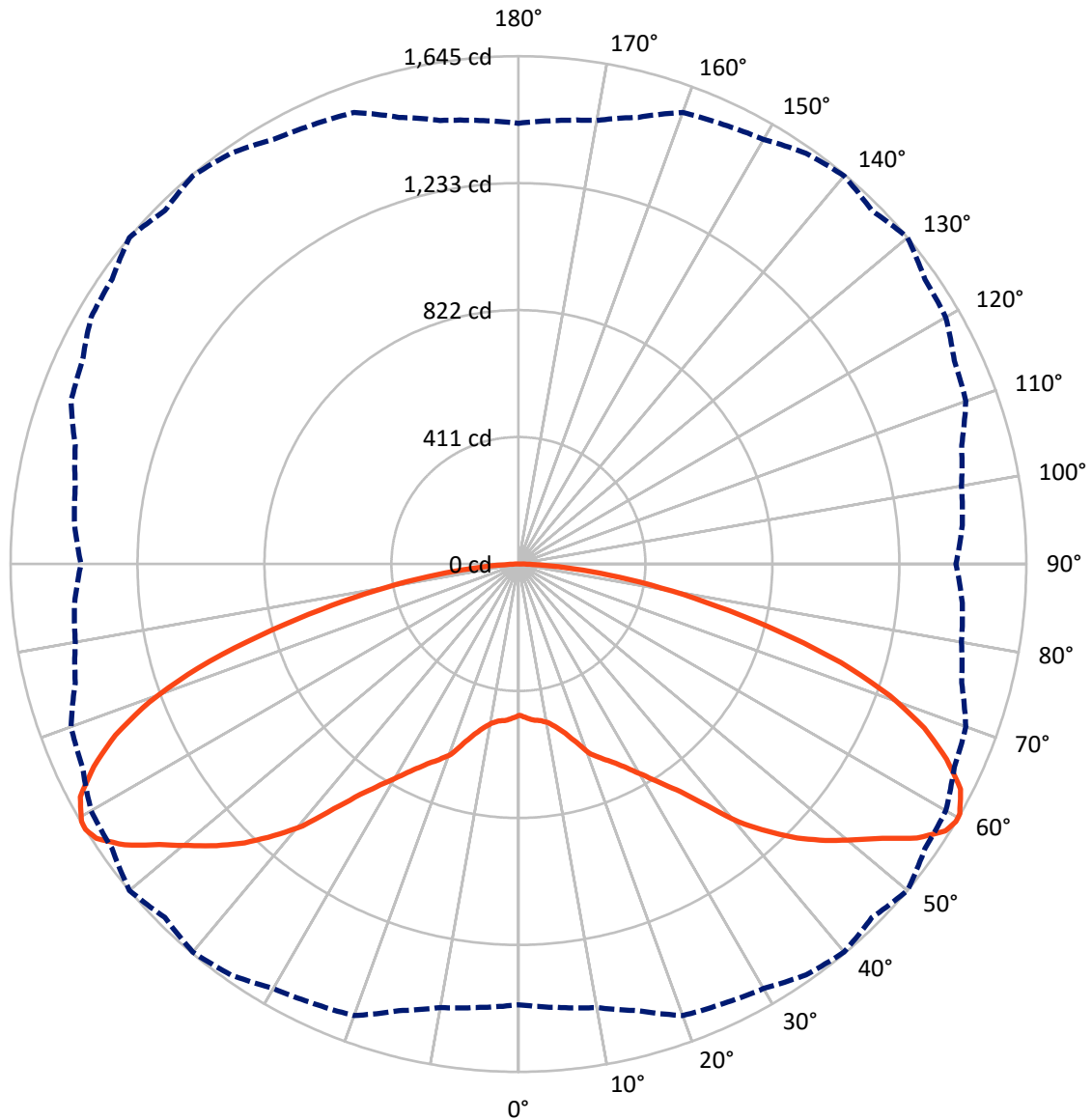


Based on 10 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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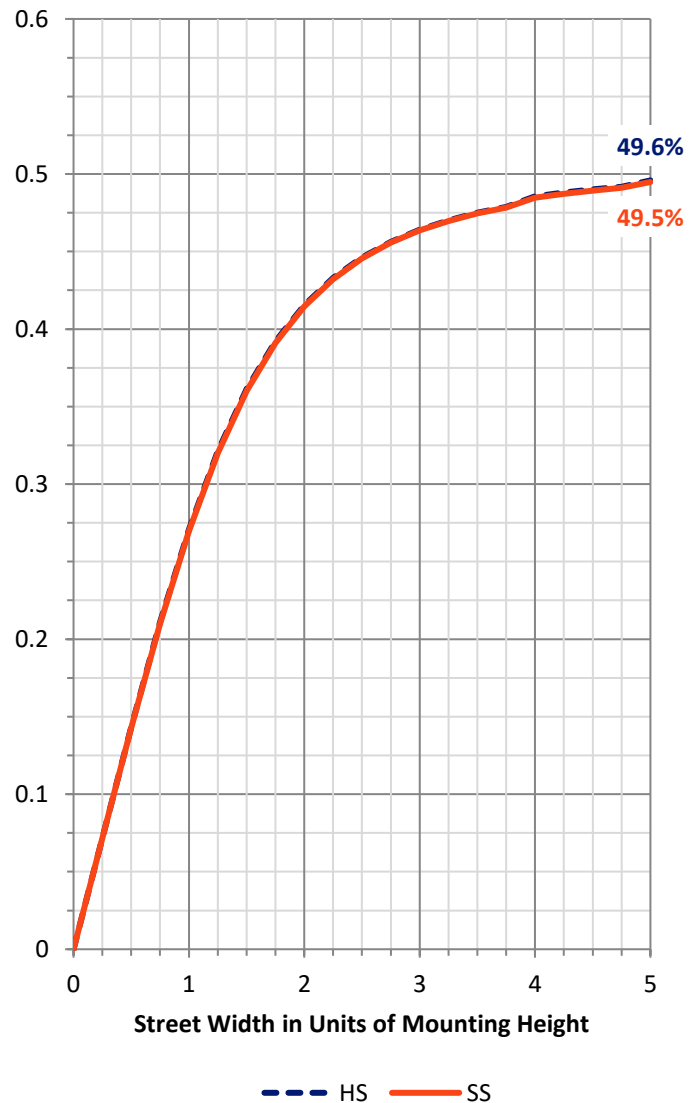
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2941.5	0.0	2941.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2941.5	0.0	2941.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5883.0	0.0	5883.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.7	0.8
10°-20°	164.3	2.8
20°-30°	330.7	5.6
30°-40°	569.0	9.7
40°-50°	939.4	16.0
50°-60°	1322.8	22.5
60°-70°	1415.1	24.1
70°-80°	898.8	15.3
80°-90°	194.3	3.3
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°	5883.0	100.0
0°-180°	5883.0	100.0



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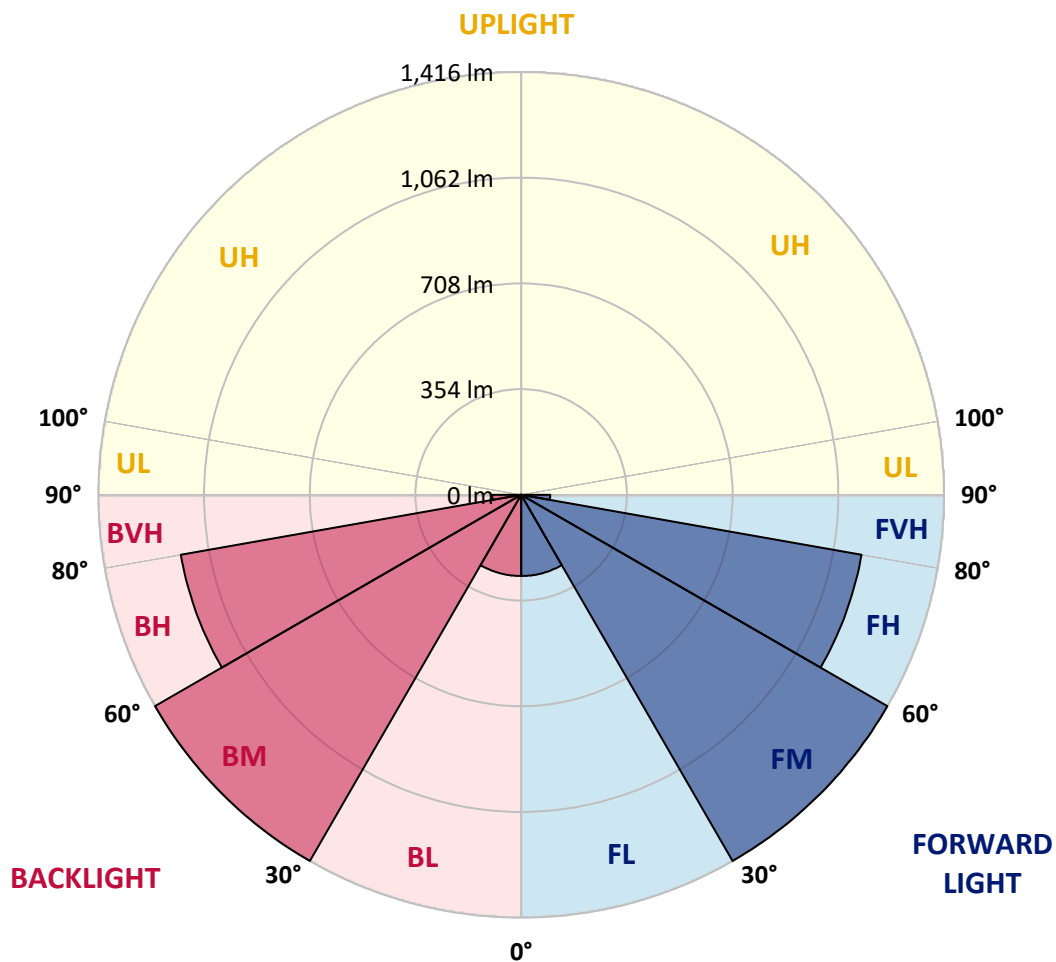
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	271.8	4.6			
FM	(30°-60°)	1415.6	24.1			
FH	(60°-80°)	1157.0	19.7			G1/1800
FVH	(80°-90°)	97.1	1.7			G1/100
BL	(0°-30°)	271.8	4.6	B1/500		
BM	(30°-60°)	1415.6	24.1	B2/2500		
BH	(60°-80°)	1157.0	19.7	B3/2500		G1/1800
BVH	(80°-90°)	97.1	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°	489.6	489.6	489.6	489.6	489.6	489.6	489.6	489.6	489.6	489.6	489.6
2.5°	500.0	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7
5°	502.6	502.6	503.9	503.9	505.2	505.2	505.2	506.5	506.5	506.5	507.8
7.5°	507.8	506.5	507.8	507.8	507.8	509.1	509.1	509.1	510.4	511.8	511.8
10°	524.8	523.5	524.8	524.8	524.8	522.2	522.2	523.5	522.2	522.2	522.2
12.5°	544.3	544.3	545.6	546.9	546.9	545.6	544.3	543.0	541.7	541.7	541.7
15°	562.5	563.8	565.1	567.7	569.0	569.0	570.3	571.7	570.3	570.3	569.0
17.5°	591.2	593.8	595.1	596.4	596.4	596.4	599.0	602.9	606.8	609.4	606.8
20°	639.4	640.7	643.3	643.3	642.0	643.3	645.9	647.2	649.8	652.4	653.7
22.5°	671.9	674.5	678.4	678.4	677.1	678.4	681.0	681.0	678.4	679.7	682.3
25°	699.3	700.6	703.2	704.5	705.8	712.3	717.5	716.2	711.0	712.3	711.0
27.5°	731.8	734.4	737.0	737.0	737.0	740.9	746.1	748.7	752.7	751.3	747.4
30°	774.8	778.7	780.0	778.7	781.3	785.2	783.9	786.5	793.0	799.5	791.7
32.5°	808.6	812.6	816.5	821.7	830.8	836.0	833.4	834.7	838.6	843.8	843.8
35°	859.4	865.9	868.5	869.8	879.0	889.4	897.2	903.7	902.4	898.5	905.0
37.5°	936.3	942.8	945.4	950.6	962.3	964.9	976.6	992.2	997.5	992.2	992.2
40°	1018.3	1024.8	1037.8	1049.5	1067.8	1071.7	1086.0	1092.5	1105.5	1106.8	1099.0
42.5°	1086.0	1093.8	1096.4	1116.0	1140.7	1158.9	1174.6	1175.9	1185.0	1192.8	1183.7
45°	1158.9	1165.4	1169.3	1187.6	1200.6	1222.7	1247.5	1257.9	1261.8	1260.5	1265.7
47.5°	1226.6	1235.8	1239.7	1254.0	1269.6	1287.8	1302.2	1332.1	1338.6	1325.6	1337.3
50°	1268.3	1278.7	1287.8	1319.1	1346.4	1360.8	1372.5	1397.2	1411.5	1399.8	1403.7
52.5°	1333.4	1336.0	1343.8	1356.9	1397.2	1445.4	1458.4	1466.2	1487.1	1493.6	1475.4
55°	1422.0	1431.1	1437.6	1454.5	1471.4	1505.3	1562.6	1573.0	1567.8	1599.1	1566.5
57.5°	1435.0	1451.9	1471.4	1509.2	1543.1	1553.5	1587.3	1627.7	1623.8	1627.7	1630.3
59°	1427.2	1441.5	1458.4	1497.5	1556.1	1570.4	1587.3	1623.8	1640.7	1618.6	1644.6
60°	1429.8	1440.2	1449.3	1480.6	1543.1	1575.6	1586.0	1608.2	1640.7	1610.8	1642.0
62.5°	1419.4	1432.4	1442.8	1461.0	1491.0	1536.6	1576.9	1566.5	1613.4	1589.9	1606.9
65°	1363.4	1377.7	1398.5	1424.6	1459.7	1472.7	1513.1	1535.3	1524.8	1550.9	1523.5
67.5°	1269.6	1282.6	1295.7	1326.9	1366.0	1382.9	1393.3	1433.7	1419.4	1449.3	1418.1
70°	1144.6	1158.9	1177.2	1194.1	1229.2	1243.6	1255.3	1273.5	1278.7	1278.7	1276.1
72.5°	994.9	1006.6	1018.3	1035.2	1056.1	1069.1	1074.3	1078.2	1099.0	1091.2	1092.5
75°	825.6	837.3	842.5	849.0	863.3	862.0	867.2	864.6	877.7	872.5	869.8
77.5°	645.9	649.8	664.1	664.1	660.2	666.7	660.2	656.3	653.7	656.3	656.3
80°	447.9	459.7	468.8	475.3	477.9	475.3	476.6	471.4	471.4	467.5	468.8
82.5°	276.1	287.8	291.7	298.2	299.5	299.5	299.5	295.6	296.9	293.0	295.6
85°	135.4	135.4	140.6	147.1	148.4	151.1	151.1	151.1	151.1	151.1	152.4
87.5°	33.9	33.9	36.5	40.4	40.4	41.7	43.0	44.3	44.3	45.6	45.6
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°	489.6	489.6	489.6	489.6	489.6	489.6	489.6	489.6
2.5°	498.7	498.7	498.7	498.7	498.7	498.7	498.7	498.7
5°	507.8	506.5	506.5	505.2	505.2	503.9	503.9	503.9
7.5°	513.1	513.1	511.8	510.4	509.1	509.1	510.4	510.4
10°	523.5	526.1	527.4	527.4	526.1	526.1	524.8	524.8
12.5°	540.4	543.0	545.6	548.2	548.2	546.9	544.3	543.0
15°	566.4	566.4	567.7	569.0	569.0	566.4	561.2	561.2
17.5°	601.6	599.0	595.1	596.4	597.7	596.4	591.2	593.8
20°	649.8	644.6	642.0	639.4	644.6	644.6	636.8	636.8
22.5°	684.9	681.0	674.5	673.2	677.1	679.7	673.2	669.3
25°	714.9	716.2	708.4	704.5	705.8	707.1	698.0	699.3
27.5°	747.4	748.7	744.8	738.3	735.7	739.6	733.1	730.5
30°	786.5	785.2	787.8	780.0	773.5	777.4	777.4	770.9
32.5°	837.3	833.4	834.7	825.6	817.8	816.5	811.2	803.4
35°	906.3	895.9	888.1	882.9	868.5	865.9	865.9	856.8
37.5°	996.2	980.5	966.2	966.2	944.1	937.6	941.5	929.7
40°	1096.4	1091.2	1069.1	1065.2	1041.7	1026.1	1026.1	1011.8
42.5°	1169.3	1175.9	1149.8	1134.2	1118.6	1093.8	1096.4	1078.2
45°	1248.8	1244.9	1222.7	1195.4	1190.2	1164.1	1166.7	1148.5
47.5°	1324.3	1300.9	1290.4	1263.1	1251.4	1221.4	1230.5	1216.2
50°	1397.2	1371.2	1360.8	1328.2	1312.6	1280.0	1281.3	1255.3
52.5°	1472.7	1449.3	1433.7	1392.0	1364.7	1341.2	1336.0	1324.3
55°	1570.4	1545.7	1507.9	1468.8	1448.0	1414.2	1418.1	1399.8
57.5°	1608.2	1592.5	1552.2	1528.7	1489.7	1455.8	1448.0	1415.5
59°	1606.9	1597.8	1557.4	1541.8	1485.8	1457.1	1442.8	1416.8
60°	1597.8	1595.2	1554.8	1535.3	1476.7	1450.6	1437.6	1420.7
62.5°	1570.4	1569.1	1523.5	1500.1	1451.9	1431.1	1423.3	1401.1
65°	1530.0	1507.9	1472.7	1457.1	1407.6	1392.0	1369.9	1347.7
67.5°	1433.7	1384.2	1379.0	1359.5	1316.5	1297.0	1282.6	1261.8
70°	1274.8	1242.3	1242.3	1217.5	1187.6	1178.5	1158.9	1135.5
72.5°	1076.9	1069.1	1073.0	1044.3	1030.0	1024.8	1007.9	987.0
75°	860.7	862.0	858.1	851.6	847.7	849.0	830.8	821.7
77.5°	652.4	664.1	661.5	652.4	661.5	660.2	644.6	640.7
80°	464.9	470.1	472.7	467.5	472.7	468.8	455.8	454.5
82.5°	293.0	294.3	296.9	291.7	293.0	291.7	282.6	282.6
85°	149.7	155.0	148.4	143.2	143.2	138.0	135.4	136.7
87.5°	44.3	46.9	41.7	41.7	39.1	36.5	35.2	35.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)