

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: P200617

Luminaire Tested: **GWC-AF-01-LED-E1-SL3-8030-1200**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200617
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24288)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-AF-01-LED-E1-SL3-8030-1200
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5691 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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

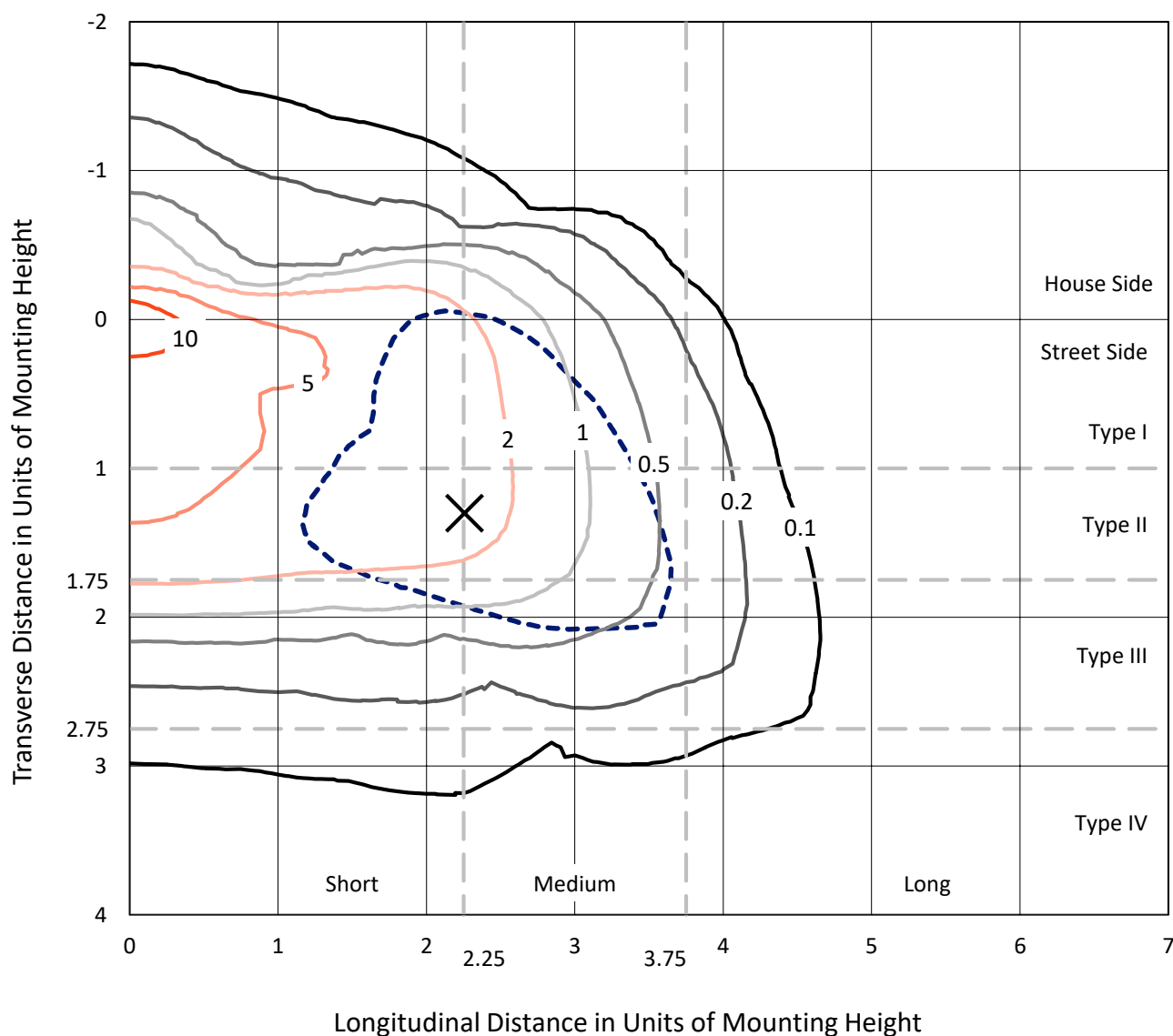


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

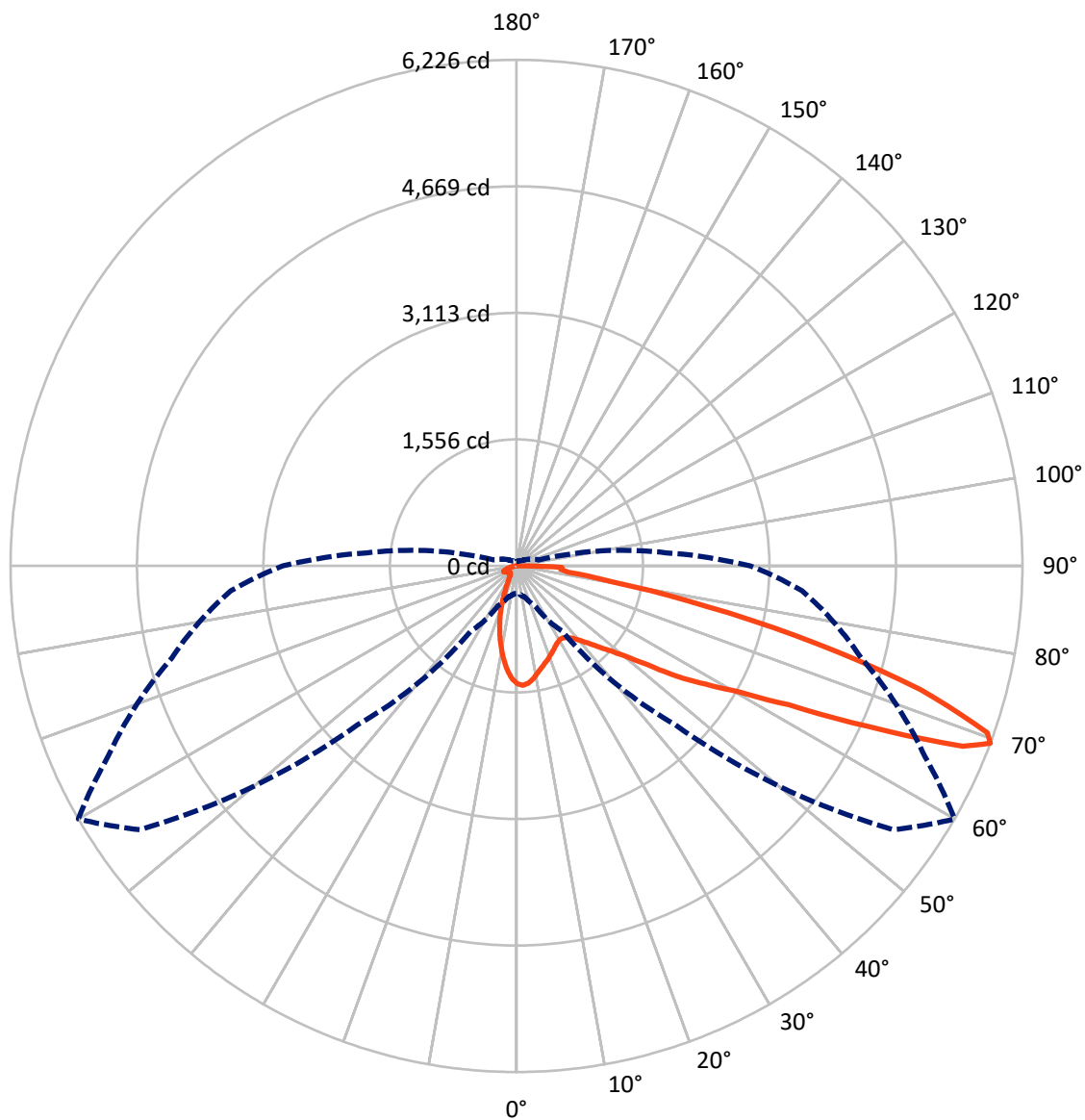


Based on 10 foot mounting height. Maximum calculated value = 14.5 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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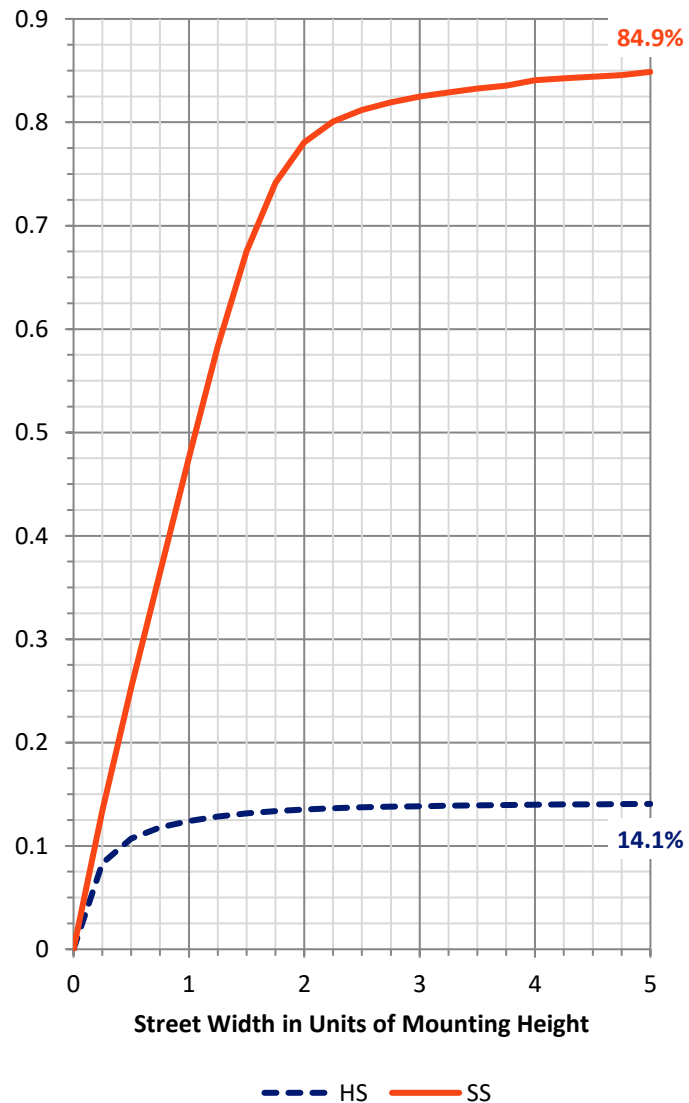
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	809.7	0.0	809.7
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	4881.4	0.0	4881.4
	% Fixture	85.8	0.0	85.8
Total	Lumens	5691.0	0.0	5691.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.6	2.2
10°-20°	261.2	4.6
20°-30°	332.9	5.8
30°-40°	457.6	8.0
40°-50°	742.5	13.0
50°-60°	1190.8	20.9
60°-70°	1584.9	27.8
70°-80°	855.7	15.0
80°-90°	142.8	2.5
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°	5691.0	100.0
0°-180°	5691.0	100.0

Coefficient of Utilization



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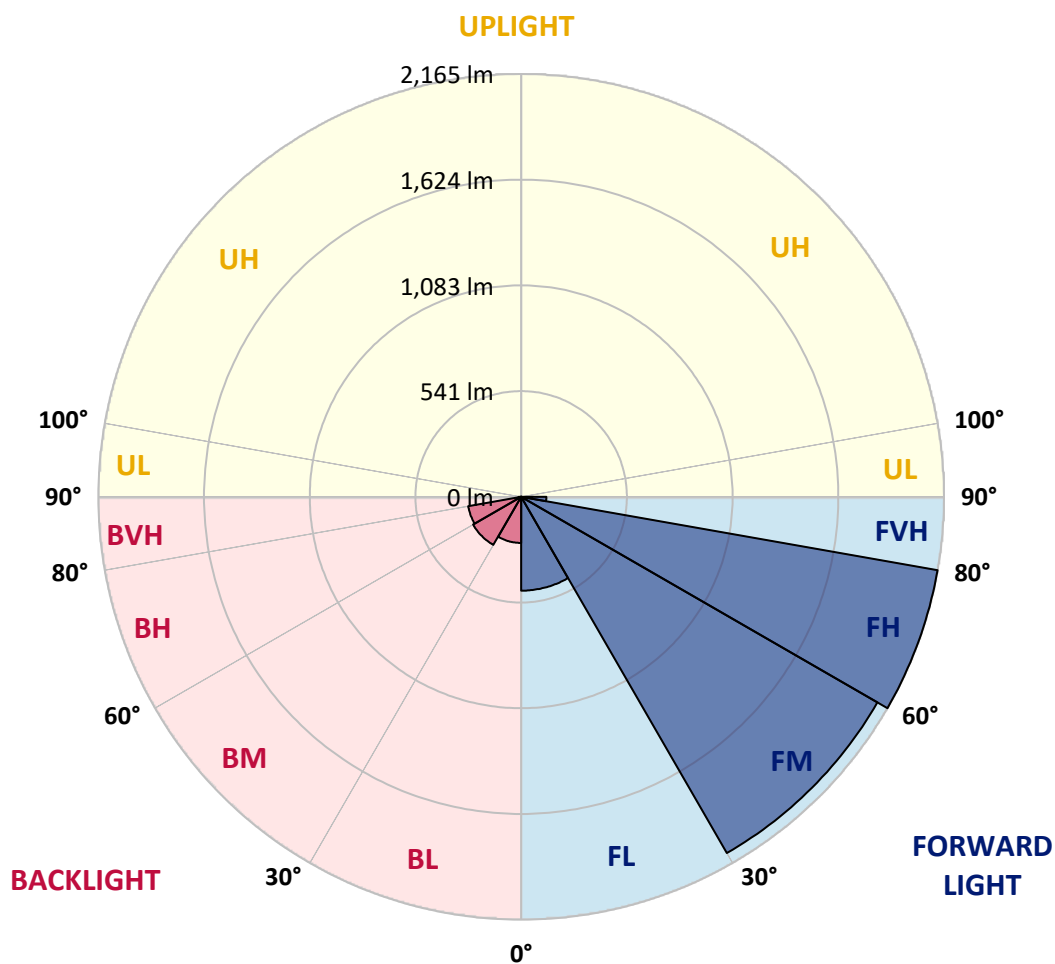
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	480.5	8.4			
FM	(30°-60°)	2106.5	37.0			
FH	(60°-80°)	2165.3	38.0			G2/5000
FVH	(80°-90°)	129.0	2.3			G2/225
BL	(0°-30°)	236.2	4.2	B1/500		
BM	(30°-60°)	284.4	5.0	B1/1000		
BH	(60°-80°)	275.3	4.8	B1/500		G1/500
BVH	(80°-90°)	13.8	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1450.2	1450.2	1450.2	1450.2	1450.2	1450.2	1450.2	1450.2	1450.2	1450.2	1450.2
2.5°	1479.8	1483.1	1481.8	1480.9	1483.4	1479.6	1471.6	1469.1	1465.3	1456.2	1440.8
5°	1424.3	1434.2	1433.7	1441.1	1453.5	1456.8	1453.2	1453.7	1446.6	1435.3	1409.7
7.5°	1328.4	1332.5	1334.7	1350.9	1373.5	1391.6	1407.0	1411.9	1408.6	1399.0	1366.0
10°	1229.4	1232.7	1237.9	1256.9	1285.5	1310.5	1339.6	1356.4	1363.6	1361.9	1325.1
12.5°	1144.5	1147.8	1154.6	1176.1	1210.2	1240.9	1283.3	1304.2	1321.2	1331.4	1291.8
15°	1068.3	1075.5	1082.0	1106.8	1145.0	1185.4	1233.2	1259.6	1286.0	1308.8	1262.4
17.5°	1008.9	1016.1	1019.9	1042.5	1083.1	1132.6	1188.7	1219.8	1252.8	1290.2	1233.2
20°	974.6	977.9	976.2	988.9	1025.4	1077.9	1144.5	1180.5	1220.3	1272.6	1204.1
22.5°	964.9	965.2	959.2	957.8	981.4	1025.7	1097.2	1140.9	1189.8	1261.0	1179.1
25°	988.3	987.5	971.0	957.5	960.0	985.8	1051.5	1102.4	1164.2	1258.5	1159.8
27.5°	1040.3	1042.7	1018.3	993.0	968.0	967.1	1016.9	1070.5	1143.4	1269.8	1151.6
30°	1113.1	1117.2	1091.1	1059.0	1011.9	973.2	1003.4	1051.5	1130.4	1293.2	1150.2
32.5°	1192.8	1197.2	1177.4	1143.6	1082.0	1010.6	1012.8	1053.2	1129.9	1325.9	1159.6
35°	1277.8	1282.7	1272.6	1244.0	1175.5	1079.6	1048.5	1079.8	1147.8	1375.9	1184.6
37.5°	1372.6	1380.3	1383.1	1355.9	1282.7	1170.6	1107.1	1130.4	1188.2	1445.5	1230.5
40°	1509.3	1520.0	1519.2	1480.1	1405.6	1293.5	1197.5	1203.6	1251.1	1538.4	1303.9
42.5°	1771.0	1773.2	1704.7	1619.8	1540.9	1422.7	1304.2	1299.2	1338.0	1656.1	1411.9
45°	2103.9	2094.8	1942.5	1778.4	1682.2	1571.1	1443.0	1418.8	1448.2	1799.6	1547.2
47.5°	2380.2	2359.3	2166.8	1940.3	1831.7	1732.5	1606.0	1563.7	1579.9	1962.3	1722.0
50°	2476.1	2460.4	2301.0	2075.0	1973.3	1929.3	1806.7	1746.8	1751.2	2156.4	1926.8
52.5°	2455.5	2453.3	2346.9	2163.8	2105.8	2136.1	2091.0	2009.9	1967.0	2371.9	2147.9
55°	2406.8	2411.5	2373.0	2267.2	2257.3	2335.6	2462.4	2402.4	2269.1	2589.4	2376.3
57.5°	2237.8	2249.9	2334.5	2397.2	2501.1	2617.7	2761.5	2744.4	2594.3	2824.4	2647.9
60°	1802.9	1830.9	2058.0	2371.9	2752.1	3116.7	3181.0	3141.4	2929.7	3116.1	3006.7
62.5°	1263.2	1292.4	1562.3	2053.6	2710.9	3680.2	3930.9	3760.2	3411.4	3545.8	3471.0
65°	676.3	690.3	896.5	1424.9	2288.6	3796.5	5027.0	4767.2	4174.0	4075.5	3868.3
67.5°	373.1	380.8	459.7	719.4	1465.8	3343.2	5725.3	5921.6	5127.1	4428.3	3796.0
69°	337.3	344.5	396.1	544.9	980.9	2764.2	5657.1	6225.9	5544.9	4393.3	3528.8
70°	329.9	336.5	383.0	502.3	793.9	2278.5	5428.7	6148.1	5644.5	4268.3	3295.6
72.5°	296.9	304.1	349.1	451.1	678.5	1135.9	4300.2	5198.3	5124.6	3700.8	2499.8
75°	276.8	283.4	359.9	441.8	649.6	718.9	2834.9	3831.2	3767.1	2588.8	1347.9
77.5°	118.5	117.9	166.9	373.9	659.2	696.1	1523.3	2393.4	2183.6	1106.5	387.1
80°	79.2	77.8	79.2	110.0	604.5	699.9	798.1	1214.8	917.7	282.1	190.8
82.5°	68.2	67.1	69.6	67.1	212.5	798.9	678.5	646.0	436.3	160.3	94.6
85°	45.9	44.0	59.9	60.2	100.3	709.8	764.3	545.7	353.0	95.1	46.7
87.5°	22.0	21.4	34.9	42.6	58.8	288.4	857.4	559.2	356.0	48.7	22.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1450.2	1450.2	1450.2	1450.2	1450.2	1450.2	1450.2	1450.2	1450.2	1450.2	1450.2
2.5°	1436.1	1424.9	1413.9	1400.7	1386.9	1371.5	1363.8	1356.1	1354.2	1352.0	1344.3
5°	1396.5	1380.6	1353.1	1322.9	1291.0	1259.9	1236.3	1221.4	1210.2	1204.4	1194.2
7.5°	1345.4	1322.0	1273.9	1221.7	1168.1	1119.2	1076.8	1050.2	1024.9	1013.0	999.6
10°	1296.8	1261.8	1187.1	1110.1	1033.1	959.2	889.6	840.4	796.7	772.2	754.9
12.5°	1255.0	1207.1	1103.5	999.3	893.7	788.4	684.3	602.3	533.9	497.9	479.4
15°	1214.3	1156.5	1024.0	891.8	756.3	613.1	476.1	383.2	326.6	304.1	296.4
17.5°	1177.4	1103.5	944.3	783.5	614.4	441.2	320.0	268.9	247.1	239.7	237.2
20°	1137.6	1049.9	861.6	670.2	466.5	308.4	249.9	227.4	218.6	216.4	215.3
22.5°	1099.1	997.1	782.4	549.0	335.1	238.1	214.7	205.4	204.0	205.9	205.9
25°	1066.4	949.8	696.9	422.3	246.0	200.4	192.2	190.0	195.2	202.3	203.7
27.5°	1041.9	911.1	605.9	311.7	196.0	174.3	174.0	177.6	190.5	204.3	207.0
30°	1025.1	874.2	508.6	224.9	164.4	153.4	157.8	165.5	184.5	204.0	209.2
32.5°	1016.6	847.0	407.1	174.0	140.8	134.7	142.1	151.5	170.2	188.3	195.2
35°	1023.2	826.9	311.5	145.2	124.3	119.6	127.3	136.4	147.4	155.0	160.3
37.5°	1048.0	819.0	235.0	130.0	113.0	108.6	114.6	119.9	124.3	126.5	128.9
40°	1101.3	827.5	188.3	122.3	106.7	101.2	103.6	105.6	108.3	110.5	111.6
42.5°	1179.9	853.0	168.8	119.3	103.4	95.4	94.8	95.7	99.2	103.4	104.2
45°	1289.9	898.1	167.4	121.2	101.7	90.7	88.2	89.3	94.8	101.2	102.3
47.5°	1430.4	966.9	178.4	127.0	103.1	88.2	84.1	85.5	92.4	100.9	102.3
50°	1600.5	1062.8	196.8	135.5	109.1	88.8	82.7	83.6	90.7	100.1	101.4
52.5°	1801.5	1198.9	216.9	143.8	115.5	92.4	83.8	81.9	88.5	96.8	98.4
55°	2025.0	1373.5	237.5	151.2	118.8	96.8	86.0	79.7	84.4	91.3	92.6
57.5°	2299.4	1617.6	273.3	158.3	121.0	99.8	88.2	77.5	79.2	84.1	85.2
60°	2670.8	1962.9	336.2	170.2	125.9	100.9	88.0	75.6	74.0	76.7	77.2
62.5°	3115.8	2337.8	388.7	185.0	134.2	101.7	86.3	74.2	69.6	69.6	70.1
65°	3380.0	2438.2	359.6	197.4	141.0	100.9	84.4	72.9	66.3	63.2	63.5
67.5°	3156.0	2144.3	308.2	199.9	140.8	97.0	81.4	70.4	63.0	58.3	58.0
69°	2875.3	1850.1	285.1	193.3	134.2	92.1	77.5	67.6	60.5	55.5	55.3
70°	2649.0	1670.6	270.0	186.1	127.0	88.5	74.5	65.2	58.6	53.9	53.3
72.5°	1926.0	1094.7	230.6	160.0	104.7	74.2	64.3	57.2	52.2	49.5	48.9
75°	962.5	522.1	187.2	129.8	80.3	59.4	52.8	47.8	45.4	44.8	44.5
77.5°	316.1	239.2	133.9	96.8	59.7	46.5	42.6	39.0	38.5	40.1	39.6
80°	173.7	139.1	84.9	64.1	40.7	34.1	33.5	31.6	32.4	35.2	34.6
82.5°	88.5	72.3	52.5	38.5	27.5	24.5	26.7	25.6	26.7	29.1	28.9
85°	43.7	39.6	33.3	23.4	18.1	15.7	19.0	19.8	20.3	22.3	22.3
87.5°	25.3	23.4	17.6	11.0	9.1	8.2	11.0	10.7	12.6	13.7	13.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)