

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: P382773

Luminaire Tested: **GLEON-SA1C-735-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382773
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA1C-735-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6757.4 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

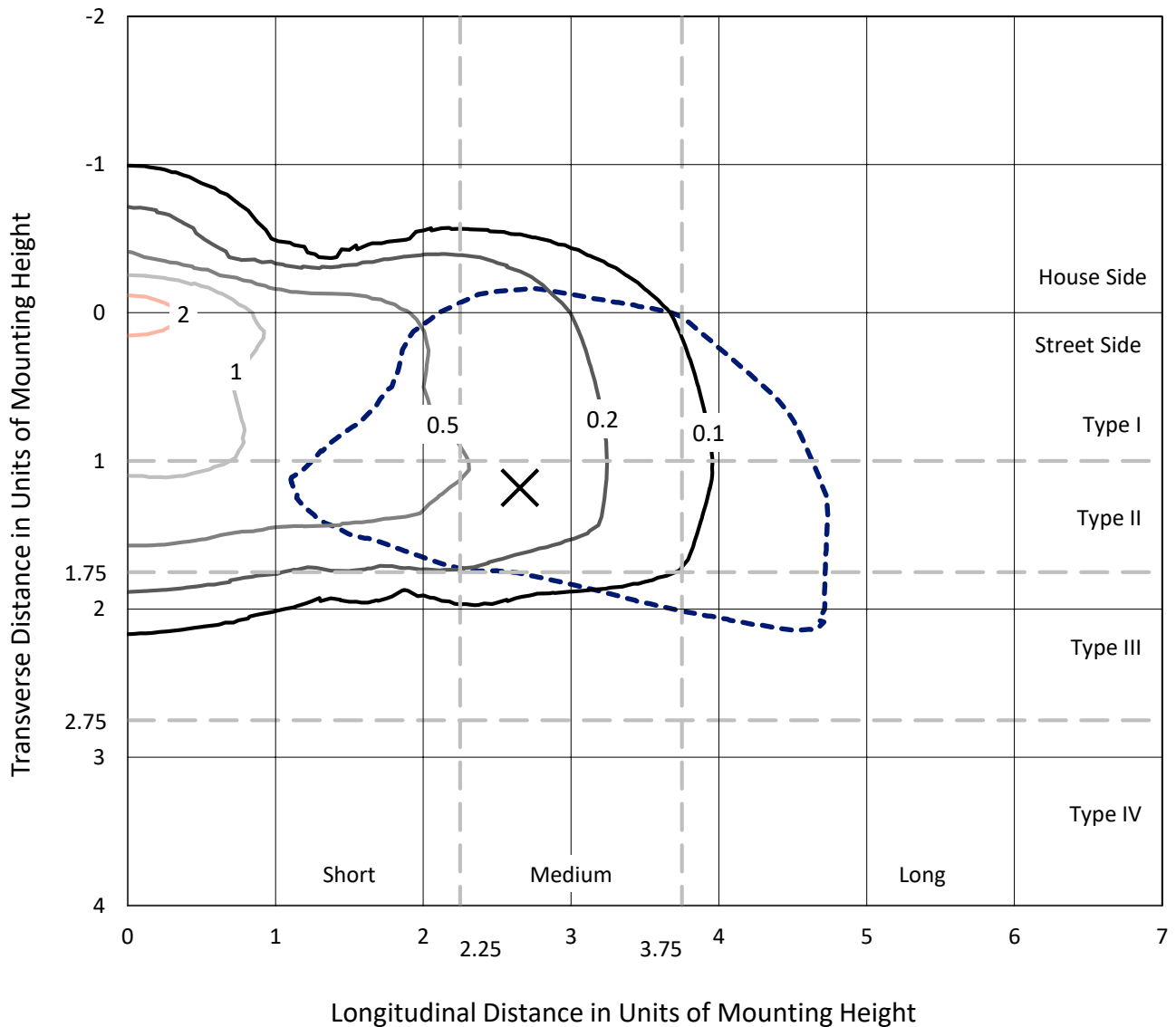
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

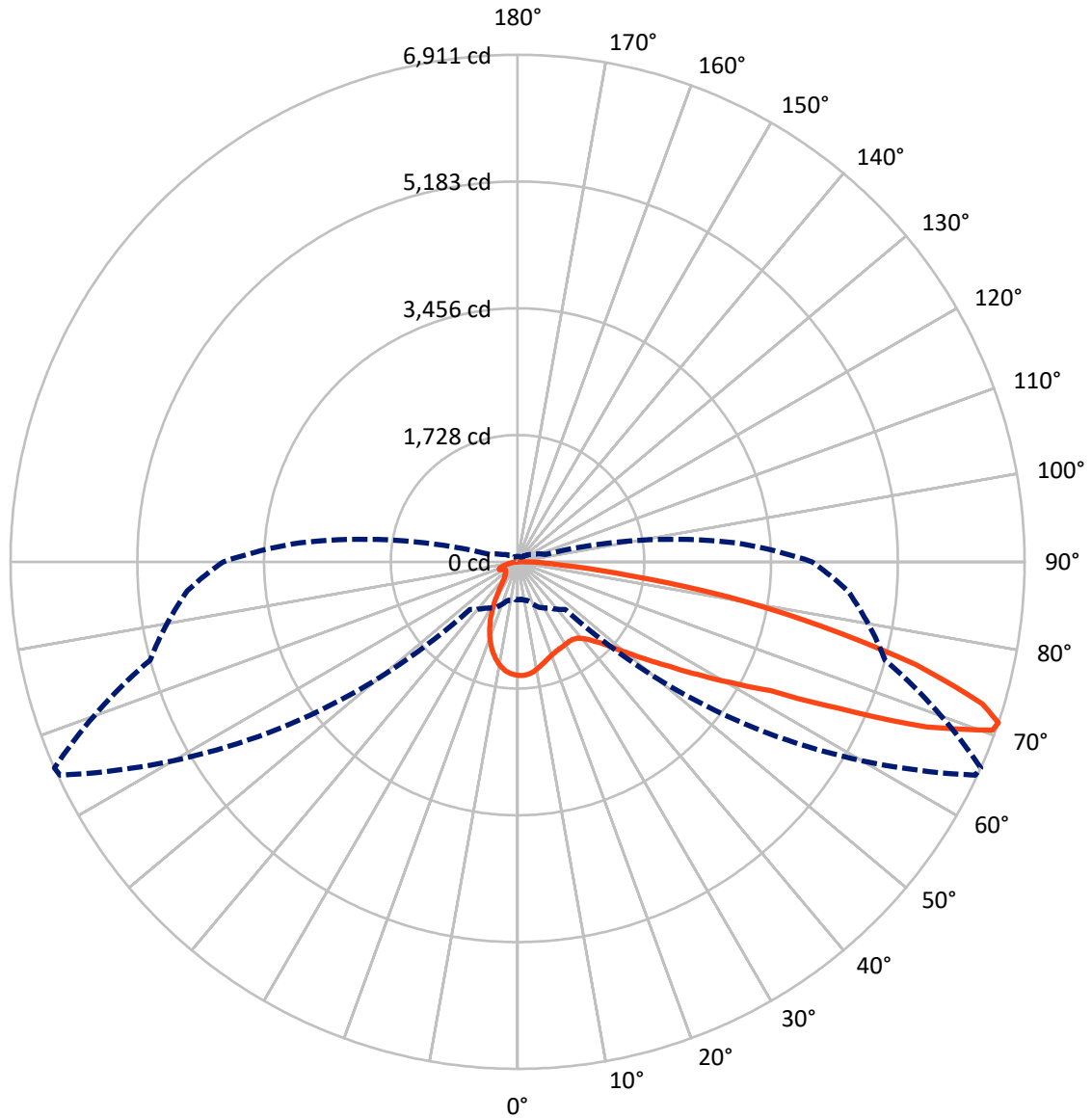
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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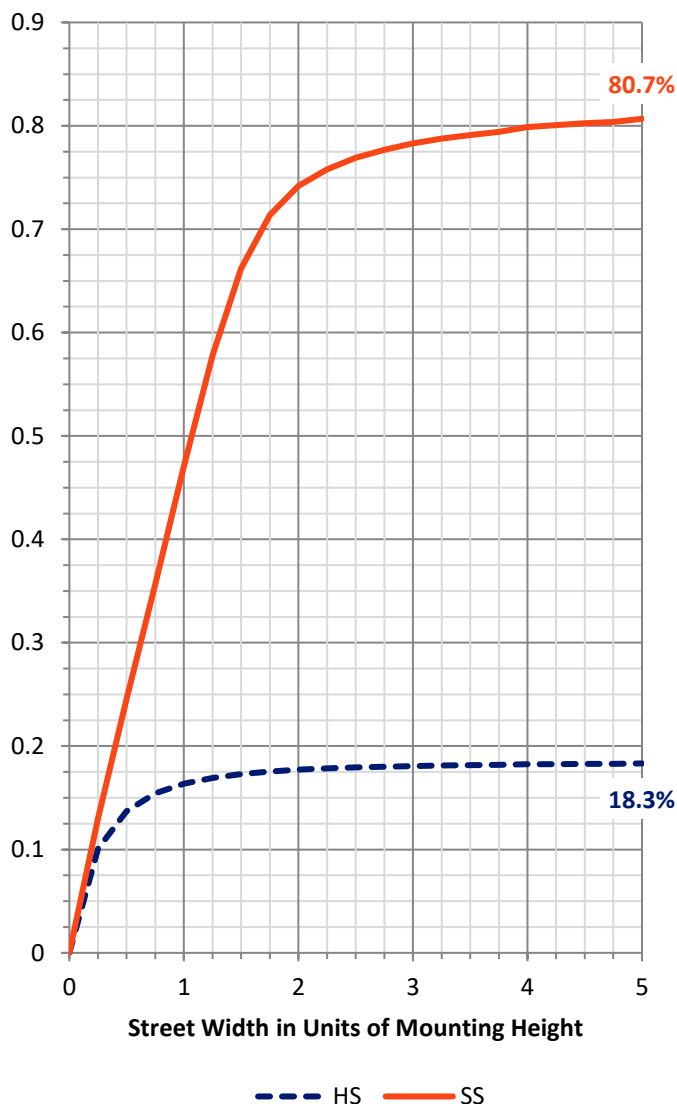
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1252.3	0.0	1252.3
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	5505.1	0.0	5505.1
	% Fixture	81.5	0.0	81.5
Total	Lumens	6757.4	0.0	6757.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.3	2.0
10°-20°	326.8	4.8
20°-30°	439.0	6.5
30°-40°	577.5	8.5
40°-50°	840.1	12.4
50°-60°	1312.3	19.4
60°-70°	1643.9	24.3
70°-80°	1253.9	18.6
80°-90°	227.7	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°	6757.4	100.0
0°-180°	6757.4	100.0

Coefficient of Utilization

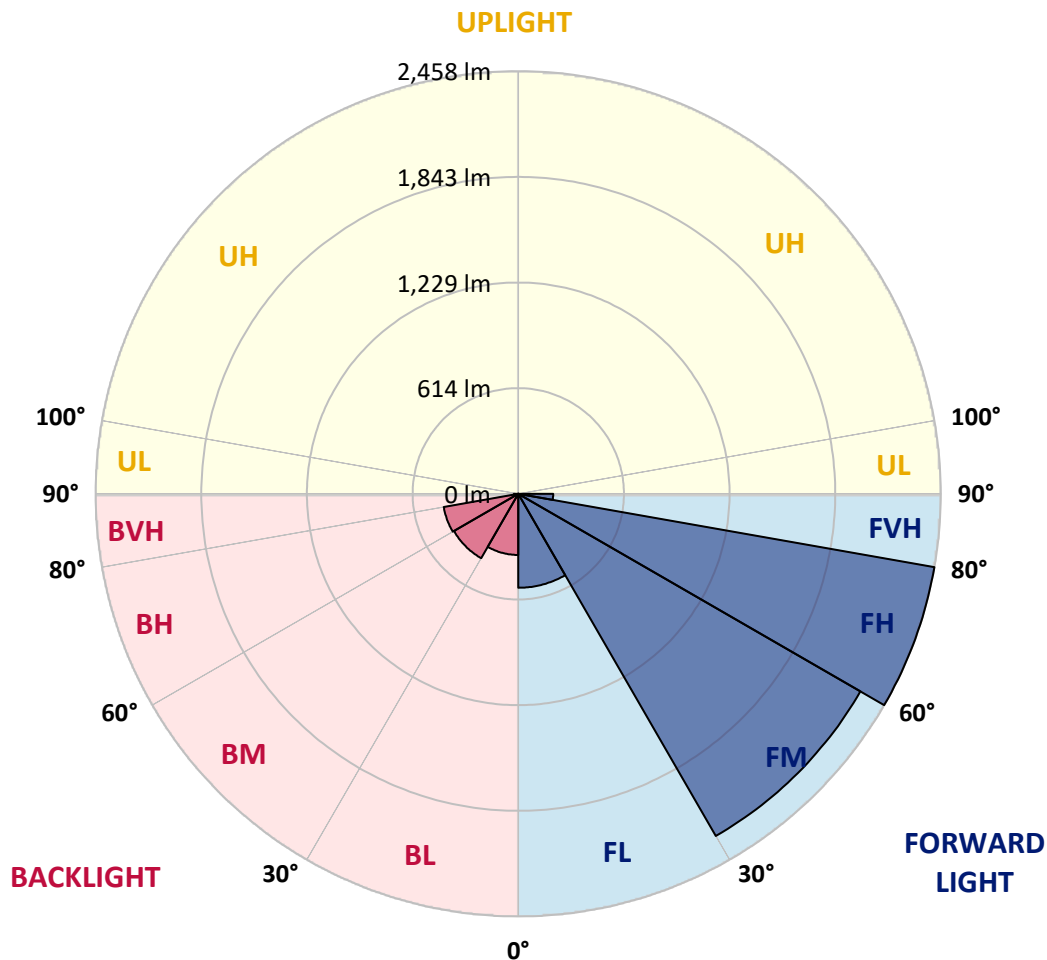


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	546.4	8.1			
FM (30°-60°)	2297.9	34.0			
FH (60°-80°)	2457.7	36.4			G2/5000
FVH (80°-90°)	203.1	3.0			G2/225
BL (0°-30°)	355.6	5.3	B1/500		
BM (30°-60°)	432.0	6.4	B1/1000		
BH (60°-80°)	440.0	6.5	B1/500		G1/500
BVH (80°-90°)	24.6	0.4			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°	65°	66°	75°	85°
0°	1548.0	1548.0	1548.0	1548.0	1548.0	1548.0	1548.0	1548.0	1548.0	1548.0	1548.0
2.5°	1519.3	1516.9	1524.0	1531.2	1534.0	1538.6	1545.6	1549.6	1549.4	1550.1	1547.8
5°	1418.5	1415.5	1429.5	1440.9	1462.8	1487.6	1517.7	1539.1	1539.6	1551.8	1555.0
7.5°	1323.1	1321.0	1337.1	1355.5	1380.9	1418.7	1467.5	1513.7	1516.5	1549.4	1560.8
10°	1246.6	1246.1	1261.7	1281.8	1311.4	1353.6	1409.6	1477.3	1481.5	1538.2	1561.7
12.5°	1186.9	1187.8	1201.3	1224.1	1255.4	1299.5	1360.2	1436.4	1443.2	1520.5	1556.4
15°	1142.7	1146.5	1157.4	1180.6	1211.3	1256.1	1318.4	1398.7	1409.0	1500.6	1553.4
17.5°	1117.6	1121.8	1129.4	1148.6	1177.5	1220.7	1279.7	1367.7	1377.0	1485.4	1553.6
20°	1110.1	1113.6	1118.0	1129.7	1154.2	1193.4	1249.1	1339.7	1349.7	1473.3	1556.0
22.5°	1124.8	1127.4	1127.8	1126.9	1141.8	1173.7	1226.9	1319.2	1329.9	1465.4	1557.5
25°	1156.2	1159.8	1157.2	1148.6	1143.7	1163.3	1215.6	1305.6	1316.4	1459.5	1554.3
27.5°	1203.7	1204.1	1202.0	1190.8	1167.7	1164.4	1212.0	1297.6	1307.9	1452.8	1547.6
30°	1268.0	1271.1	1267.4	1252.2	1214.4	1183.1	1216.2	1290.0	1299.3	1444.2	1536.6
32.5°	1343.4	1350.8	1350.7	1334.7	1280.6	1224.9	1233.5	1285.3	1292.5	1435.0	1523.3
35°	1421.5	1431.8	1451.0	1444.2	1377.2	1290.9	1266.6	1292.8	1297.6	1433.9	1514.0
37.5°	1502.8	1513.0	1552.4	1570.6	1492.2	1385.4	1318.9	1319.2	1321.5	1448.2	1513.2
40°	1587.6	1598.6	1657.9	1705.3	1641.3	1505.1	1403.1	1374.2	1371.6	1483.1	1527.0
42.5°	1706.7	1716.5	1787.6	1848.0	1806.7	1658.3	1519.5	1459.1	1453.8	1551.8	1571.1
45°	1857.1	1865.5	1941.2	2005.7	1984.5	1833.4	1665.8	1576.0	1575.1	1666.1	1660.5
47.5°	2036.1	2042.6	2110.5	2173.0	2180.8	2034.7	1849.7	1756.3	1741.2	1822.9	1798.8
50°	2222.5	2229.8	2276.0	2343.1	2400.3	2304.2	2086.2	1977.3	1957.0	2029.7	1994.8
52.5°	2345.9	2355.5	2395.6	2480.8	2647.1	2599.5	2365.9	2245.1	2214.3	2280.6	2253.8
55°	2290.9	2312.3	2373.7	2510.1	2844.5	3050.7	2711.1	2557.6	2522.7	2577.8	2561.9
57.5°	2040.6	2069.9	2153.6	2364.4	2872.2	3448.3	3232.7	2925.4	2900.9	2885.1	2892.4
60°	1583.0	1611.2	1715.1	1989.7	2678.9	3738.5	4017.8	3379.0	3343.5	3193.5	3200.1
62.5°	1120.4	1106.1	1177.3	1378.1	2176.7	3772.6	4911.1	3985.6	3869.0	3519.2	3490.5
65°	854.4	851.1	883.1	947.0	1318.4	3365.0	5443.3	5005.2	4822.9	3902.3	3834.6
67.5°	702.0	696.1	727.7	820.8	849.0	2171.0	5455.0	6188.0	6009.0	4379.2	4232.7
70°	577.2	570.7	600.1	720.2	784.6	1101.0	4591.0	6880.7	6871.2	4983.0	4533.2
71°	517.5	512.8	548.0	681.5	770.9	917.6	3963.9	6882.6	6911.2	5187.4	4515.5
72.5°	421.3	423.0	460.3	606.6	760.6	810.3	2913.3	6561.8	6622.5	5382.2	4354.2
75°	279.9	281.3	330.3	466.6	737.5	792.7	1601.2	5506.1	5617.6	5265.6	3973.2
77.5°	188.1	187.6	221.0	320.1	642.5	792.7	938.8	4118.1	4240.6	4189.7	3063.1
80°	129.5	128.6	152.1	221.0	486.5	802.3	725.9	2886.0	2923.1	2262.6	1244.9
82.5°	79.4	80.0	99.4	156.1	331.1	722.0	685.2	1573.7	1533.3	634.6	311.0
85°	45.5	45.3	63.4	105.7	212.6	609.4	668.2	677.3	621.3	191.1	112.4
87.5°	16.3	17.5	34.1	58.6	121.8	424.4	566.9	352.3	317.6	86.4	50.9
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°	1548.0	1548.0	1548.0	1548.0	1548.0	1548.0	1548.0	1548.0	1548.0	1548.0	1548.0
2.5°	1546.1	1547.6	1545.9	1536.6	1528.7	1515.8	1508.5	1498.6	1495.5	1494.1	1497.8
5°	1552.0	1552.4	1538.6	1514.1	1486.7	1454.2	1430.9	1402.2	1388.7	1382.8	1386.5
7.5°	1557.4	1555.2	1525.1	1478.3	1427.4	1371.0	1320.7	1274.8	1248.0	1237.0	1237.9
10°	1558.0	1549.2	1500.9	1428.3	1349.4	1266.6	1189.7	1118.7	1073.9	1044.7	1053.6
12.5°	1550.8	1535.8	1465.1	1363.7	1254.2	1141.3	1037.3	930.9	867.0	837.4	838.3
15°	1545.2	1518.1	1421.4	1287.6	1140.7	991.1	849.0	724.0	655.8	625.5	611.3
17.5°	1540.5	1499.0	1370.5	1202.0	1006.5	816.8	646.0	534.5	497.2	488.3	484.6
20°	1534.0	1478.7	1313.8	1102.9	853.7	621.8	471.7	416.7	417.0	427.2	428.6
22.5°	1524.9	1455.6	1253.3	991.5	689.6	452.8	369.8	353.9	370.0	389.7	393.1
25°	1511.3	1428.3	1186.1	868.6	525.9	348.1	315.9	315.2	334.8	355.3	358.4
27.5°	1492.2	1392.6	1111.5	736.6	387.5	295.9	283.0	287.9	302.4	317.3	318.5
30°	1466.5	1351.1	1029.1	597.3	303.8	263.4	262.0	266.4	275.3	285.8	286.7
32.5°	1438.3	1308.8	941.1	462.4	260.2	245.9	247.3	249.4	253.6	257.8	258.8
35°	1412.7	1265.7	851.1	351.4	239.4	234.5	233.5	233.1	233.5	232.1	232.4
37.5°	1396.1	1230.0	757.3	279.7	227.5	224.4	221.6	218.2	214.2	211.8	212.3
40°	1390.1	1203.4	662.3	241.7	217.7	215.6	210.3	202.7	198.0	196.6	196.6
42.5°	1406.4	1189.7	570.7	222.5	209.5	206.0	197.1	188.5	185.0	184.8	184.5
45°	1456.3	1195.3	483.4	212.1	202.1	195.3	183.6	176.3	174.0	174.5	174.3
47.5°	1545.9	1230.5	408.8	205.0	194.6	185.8	172.6	166.8	164.0	164.0	164.2
50°	1698.2	1312.8	349.2	199.3	188.3	176.8	164.7	157.5	153.7	153.5	153.5
52.5°	1920.1	1460.3	312.2	194.3	181.3	168.9	156.8	147.7	143.3	142.3	141.9
55°	2198.3	1671.7	301.9	191.1	172.0	160.3	147.2	138.1	133.2	131.2	130.9
57.5°	2509.2	1928.8	322.2	187.1	162.4	150.0	136.8	128.1	123.0	120.4	120.2
60°	2824.0	2209.4	405.0	181.6	154.5	138.8	125.9	118.0	112.9	110.1	109.6
62.5°	3139.1	2505.3	574.2	181.1	148.9	128.1	115.0	108.2	103.4	100.3	99.6
65°	3494.7	2829.1	766.4	193.4	147.0	118.3	103.9	98.5	94.3	91.5	91.2
67.5°	3903.0	3194.6	748.0	218.8	153.2	109.5	93.3	89.1	86.1	83.7	83.6
70°	4094.5	3137.5	465.0	236.8	162.2	100.8	83.3	80.3	78.0	76.3	75.5
71°	4014.3	2979.1	389.9	234.7	161.3	97.1	79.4	76.9	74.6	73.2	72.6
72.5°	3795.5	2716.9	325.2	218.4	150.7	90.3	74.2	71.8	69.8	68.1	67.6
75°	3405.8	2426.4	260.4	174.5	120.2	76.3	65.1	62.5	60.9	60.0	59.1
77.5°	2503.6	1731.7	201.3	137.9	88.4	62.3	55.5	53.7	52.1	50.6	49.9
80°	959.1	670.8	135.5	102.8	64.8	49.2	44.8	43.9	42.2	41.3	41.3
82.5°	258.3	200.4	72.3	62.3	43.4	36.0	34.3	33.8	32.4	30.6	30.8
85°	104.5	88.4	40.6	34.3	26.6	21.2	23.1	23.3	21.7	19.4	19.6
87.5°	45.9	37.5	22.6	15.2	11.6	8.2	10.5	10.5	9.6	7.9	7.3
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)