

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: P526619

Luminaire Tested: **GALN-SA1C-750-U-SL2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526619
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-17)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-750-U-SL2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4152 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

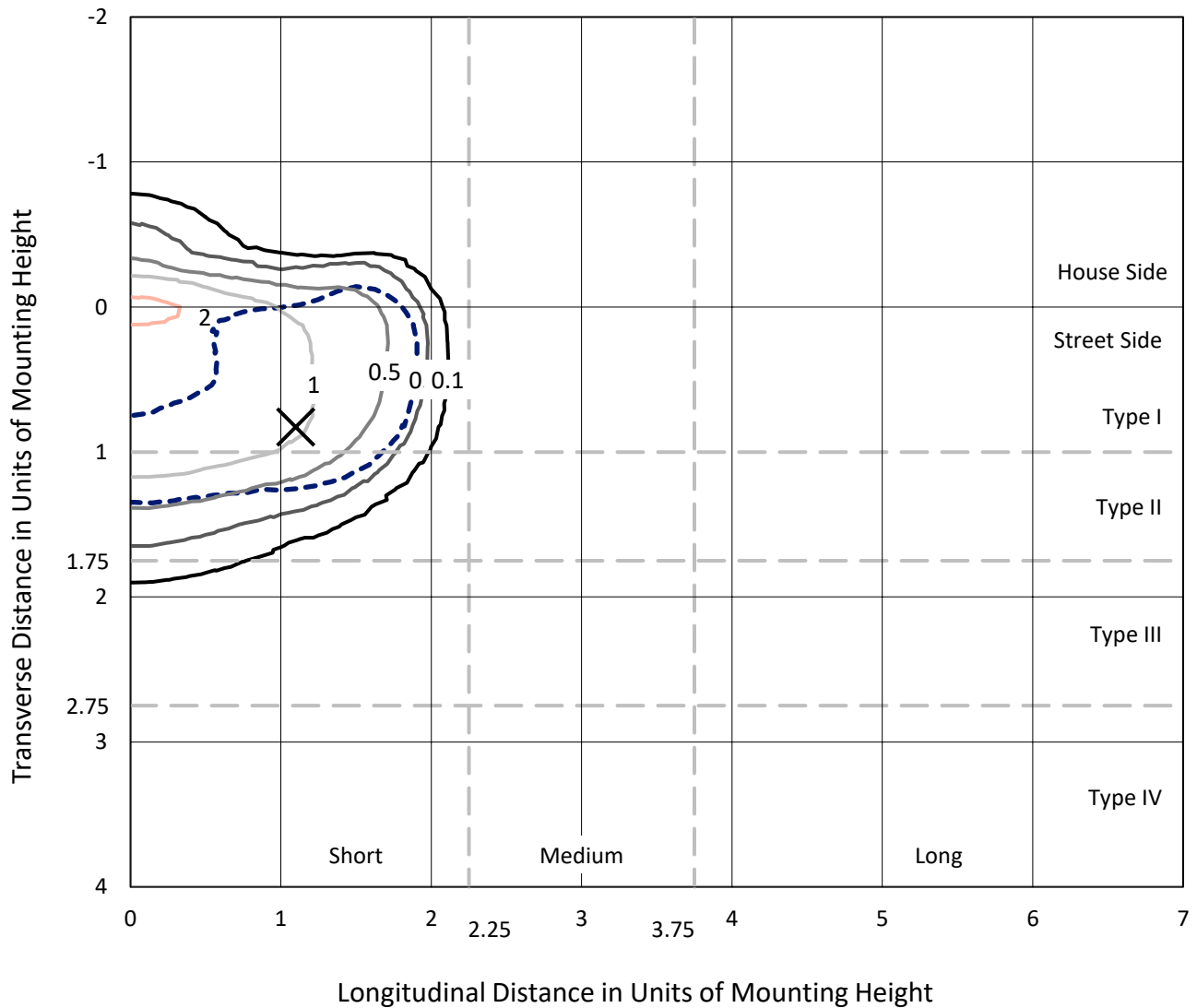
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

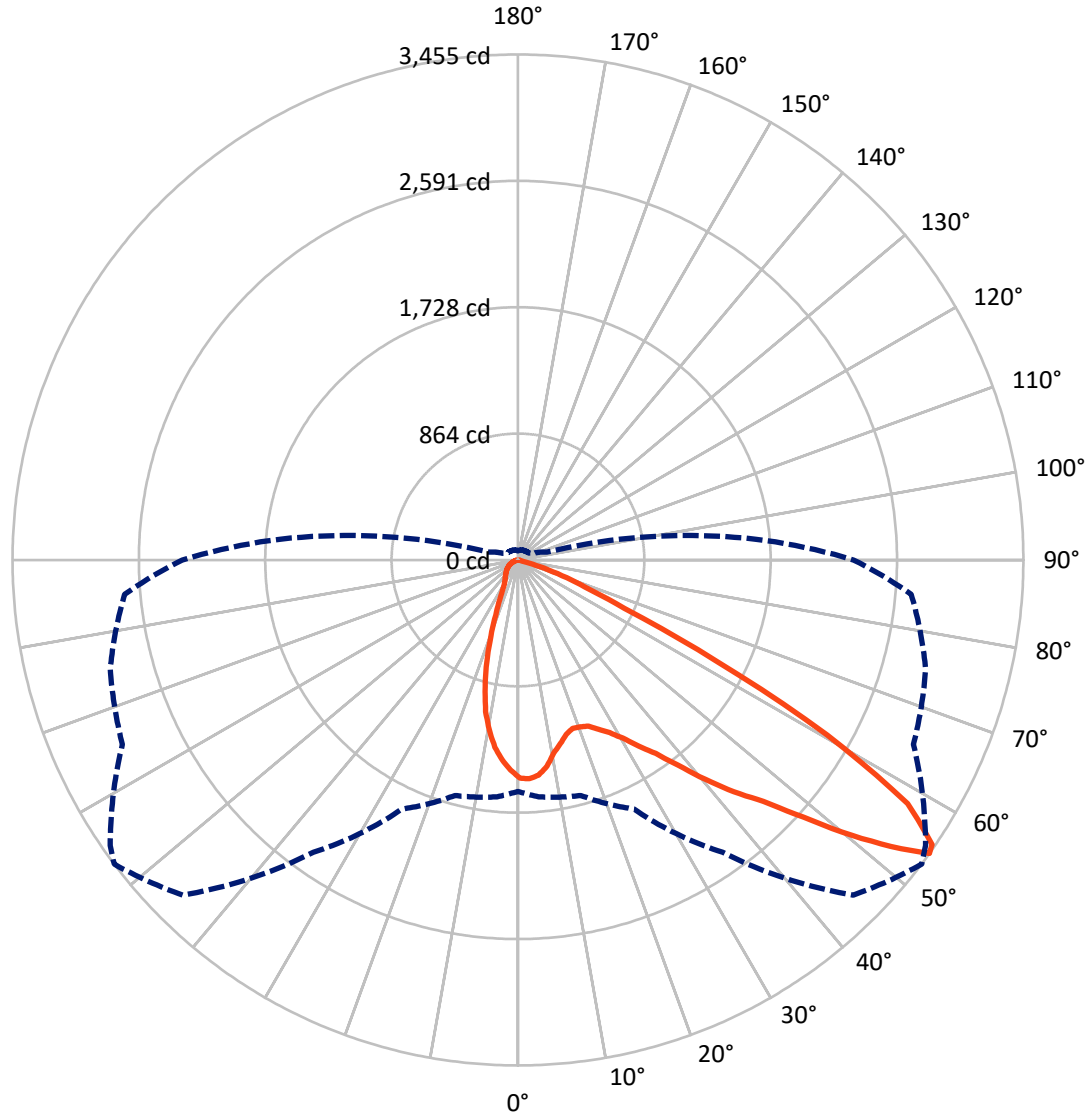
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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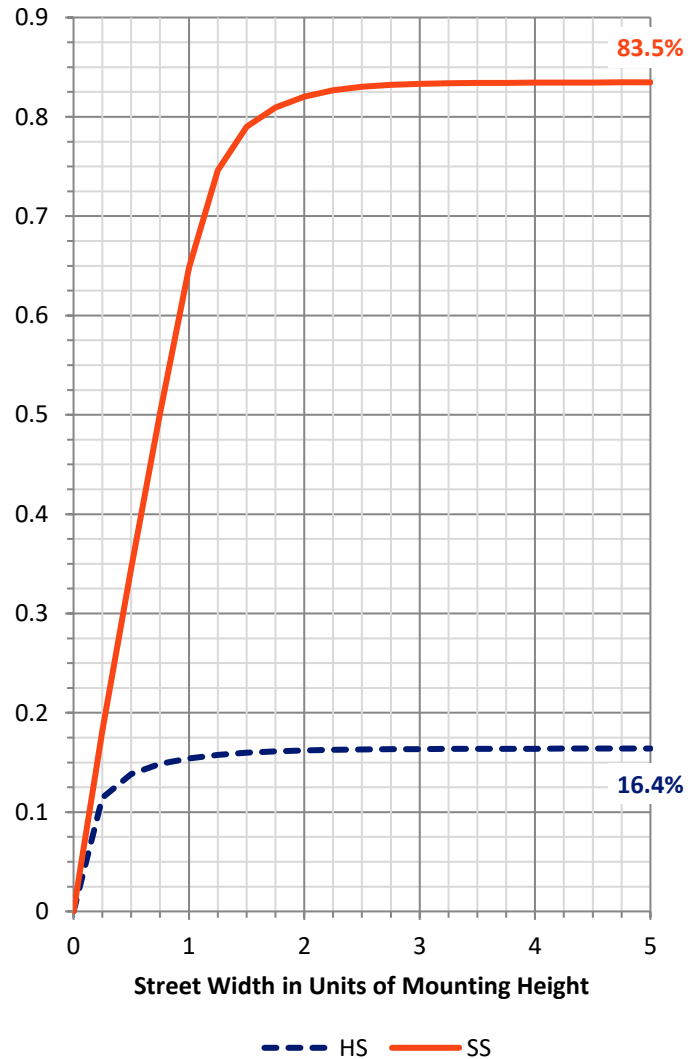
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	687.0	0.0	687.0
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	3465.0	0.0	3465.0
	% Fixture	83.5	0.0	83.5
Total	Lumens	4152.0	0.0	4152.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.0	3.1
10°-20°	293.4	7.1
20°-30°	416.9	10.0
30°-40°	643.4	15.5
40°-50°	1008.8	24.3
50°-60°	1171.9	28.2
60°-70°	442.8	10.7
70°-80°	42.1	1.0
80°-90°	4.7	0.1
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°	4152.0	100.0
0°-180°	4152.0	100.0

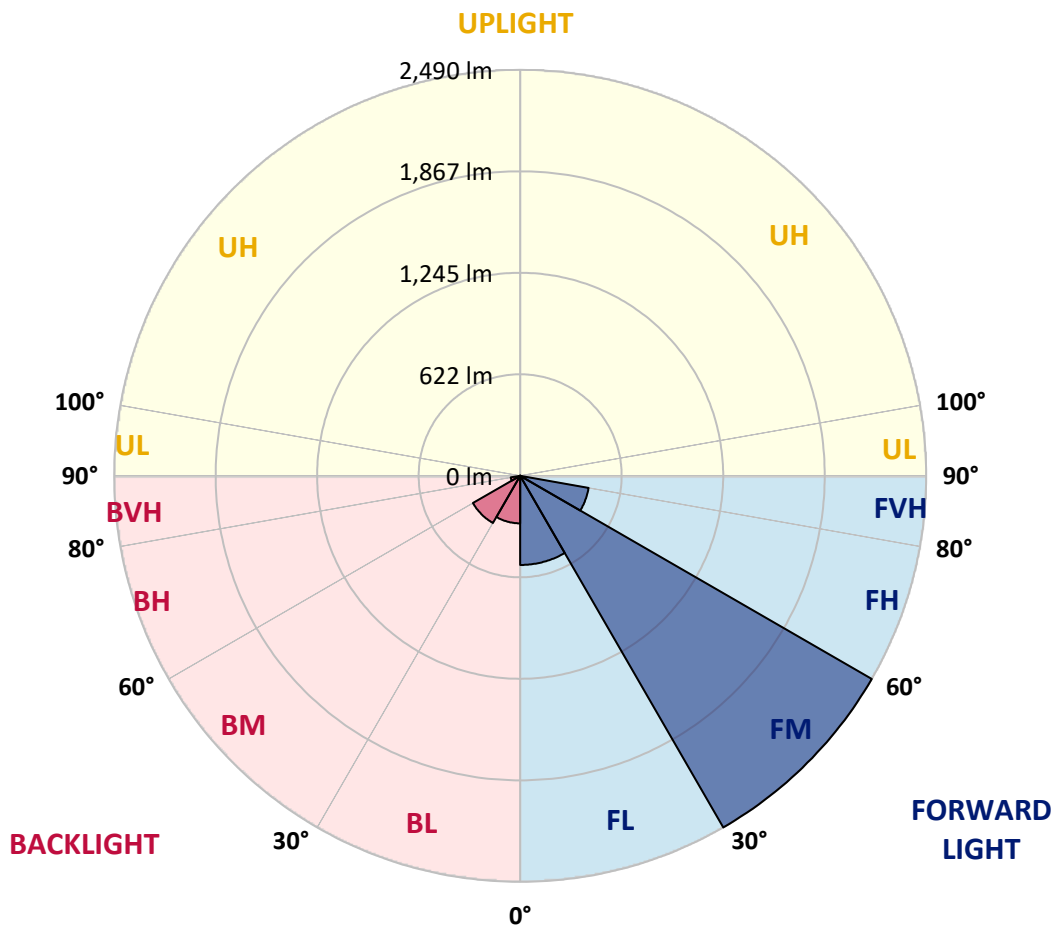


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	546.7	13.2			
FM (30°-60°)	2489.8	60.0			
FH (60°-80°)	426.1	10.3			G0/660
FVH (80°-90°)	2.4	0.1			G0/10
BL (0°-30°)	291.5	7.0	B1/500		
BM (30°-60°)	334.3	8.1	B1/1000		
BH (60°-80°)	58.9	1.4	B0/110		G0/110
BVH (80°-90°)	2.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1491.3	1491.3	1491.3	1491.3	1491.3	1491.3	1491.3	1491.3	1491.3	1491.3	1491.3
2.5°	1483.6	1470.4	1483.6	1485.1	1494.4	1502.9	1497.5	1509.9	1502.9	1495.2	1492.9
5°	1363.7	1381.5	1382.3	1410.1	1403.9	1455.0	1477.4	1471.2	1509.1	1506.8	1501.4
7.5°	1256.2	1249.2	1258.5	1291.0	1332.0	1390.8	1423.3	1422.5	1476.6	1515.3	1511.4
10°	1156.4	1155.6	1175.0	1200.5	1235.3	1297.2	1342.0	1364.5	1448.8	1507.6	1516.1
12.5°	1089.1	1086.0	1106.9	1127.8	1182.7	1230.7	1287.9	1298.7	1395.4	1480.5	1494.4
15°	1045.0	1052.0	1053.5	1093.7	1128.6	1192.0	1236.8	1259.3	1370.7	1458.8	1512.2
17.5°	1037.3	1046.6	1047.3	1080.6	1117.7	1171.1	1210.5	1240.7	1349.8	1469.7	1513.0
20°	1052.7	1047.3	1052.0	1072.9	1109.2	1160.3	1217.5	1227.6	1342.8	1475.1	1521.5
22.5°	1096.8	1095.3	1083.7	1100.7	1126.2	1179.6	1233.7	1249.2	1362.9	1502.9	1528.5
25°	1145.6	1154.1	1143.2	1140.9	1158.7	1211.3	1283.3	1303.4	1430.2	1553.2	1550.1
27.5°	1236.8	1228.3	1228.3	1217.5	1212.9	1238.4	1336.6	1369.9	1505.3	1618.2	1574.9
30°	1324.3	1333.5	1326.6	1330.4	1299.5	1297.2	1412.4	1453.4	1638.3	1717.2	1627.5
32.5°	1462.7	1450.3	1461.9	1451.9	1410.9	1369.1	1515.3	1557.9	1799.2	1830.9	1706.4
35°	1578.0	1572.5	1622.1	1620.5	1554.0	1513.0	1624.4	1687.8	1911.3	1967.0	1799.2
37.5°	1741.9	1731.9	1788.4	1815.4	1755.9	1694.8	1780.6	1854.1	2015.8	2076.1	1894.3
40°	1910.6	1936.1	2011.9	2056.8	1993.3	1912.1	1971.7	1994.1	2085.4	2147.3	1959.3
42.5°	2124.1	2161.2	2238.5	2277.2	2271.8	2183.6	2165.8	2165.1	2135.7	2127.2	2007.3
45°	2329.0	2315.1	2434.2	2518.6	2586.6	2561.1	2353.0	2329.8	2215.3	2157.3	2019.6
47.5°	2418.8	2414.1	2495.3	2645.4	2877.5	2909.2	2625.3	2535.6	2349.9	2284.2	2086.9
50°	2302.7	2326.7	2407.2	2573.5	2929.3	3171.4	2959.5	2838.8	2506.9	2438.9	2246.3
52.5°	1923.7	1940.0	2016.5	2227.7	2752.9	3326.1	3279.7	3210.1	2795.5	2682.5	2524.0
54°	1581.8	1625.1	1666.9	1878.9	2438.9	3240.2	3455.3	3401.9	2983.4	2885.2	2698.8
55°	1377.6	1403.1	1433.3	1644.5	2221.5	3094.8	3435.2	3439.8	3109.5	2948.6	2816.4
57.5°	1006.3	1024.1	993.2	1086.8	1525.4	2513.1	3142.0	3267.3	3279.7	3043.8	2888.3
60°	768.9	776.6	741.8	756.5	948.3	1724.9	2430.4	2581.2	2958.7	2660.1	2446.6
62.5°	596.4	597.9	597.2	622.7	653.6	1014.8	1519.9	1653.8	2039.7	1888.9	1661.5
65°	439.4	432.4	444.8	522.1	557.7	638.1	800.6	898.0	1108.4	935.9	669.1
67.5°	284.7	287.0	299.3	388.3	478.0	489.6	492.7	485.0	485.8	267.6	167.9
70°	170.9	174.8	170.9	219.7	341.9	351.2	321.0	313.3	244.4	63.4	62.7
72.5°	101.3	95.9	85.9	94.4	142.3	170.2	153.2	152.4	95.9	37.1	37.1
75°	42.5	38.7	31.7	28.6	37.9	36.4	36.4	32.5	25.5	24.8	23.2
77.5°	8.5	8.5	6.2	7.0	9.3	10.8	13.1	13.1	15.5	15.5	14.7
80°	0.0	0.8	2.3	4.6	7.0	10.1	11.6	11.6	13.1	13.1	10.8
82.5°	0.0	0.8	2.3	4.6	6.2	9.3	11.6	11.6	13.1	13.9	11.6
85°	0.0	0.8	2.3	3.9	6.2	7.7	7.7	7.0	5.4	4.6	3.1
87.5°	0.0	0.0	0.8	1.5	0.8	1.5	1.5	1.5	1.5	1.5	1.5
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°	1491.3	1491.3	1491.3	1491.3	1491.3	1491.3	1491.3	1491.3	1491.3	1491.3	1491.3
2.5°	1498.3	1497.5	1479.0	1448.8	1441.8	1416.3	1413.2	1397.7	1406.2	1377.6	1374.5
5°	1485.9	1476.6	1454.2	1434.9	1378.4	1338.2	1306.5	1267.8	1245.4	1249.2	1234.5
7.5°	1503.7	1479.7	1440.3	1373.0	1304.1	1233.7	1195.8	1116.9	1088.3	1045.8	1039.6
10°	1485.1	1467.3	1406.2	1294.9	1199.7	1098.4	1009.4	922.0	855.5	826.9	820.7
12.5°	1483.6	1452.7	1350.5	1226.8	1089.1	943.7	814.5	705.4	639.7	602.6	594.1
15°	1459.6	1422.5	1287.9	1121.6	931.3	750.3	609.5	504.3	454.1	432.4	438.6
17.5°	1461.9	1406.2	1225.2	1010.2	775.8	550.7	416.1	362.0	348.9	354.3	354.3
20°	1459.6	1369.9	1149.4	881.8	594.1	382.1	305.5	286.2	294.7	311.7	307.9
22.5°	1447.2	1352.9	1079.8	746.4	437.0	283.1	245.2	246.0	259.1	280.0	284.7
25°	1456.5	1315.0	991.6	609.5	318.7	225.9	212.7	218.1	232.1	247.5	250.6
27.5°	1449.6	1287.9	899.6	473.4	232.8	194.2	193.4	199.6	205.8	217.4	217.4
30°	1457.3	1263.1	809.1	351.9	191.8	177.9	174.8	179.5	185.6	188.0	187.2
32.5°	1485.9	1244.6	704.7	263.0	169.4	162.4	162.4	162.4	161.7	164.8	165.5
35°	1548.6	1247.7	612.6	203.4	154.7	149.3	147.0	143.9	142.3	143.9	144.6
37.5°	1616.6	1246.1	517.5	173.3	143.9	139.2	133.8	129.2	128.4	129.9	127.6
40°	1646.8	1260.8	429.3	155.5	133.8	128.4	119.9	116.0	116.8	118.3	116.8
42.5°	1687.8	1265.5	372.1	141.6	124.5	116.0	110.6	106.0	105.2	107.5	106.7
45°	1687.0	1239.2	311.7	133.8	116.0	106.7	99.8	95.9	95.9	97.5	98.2
47.5°	1736.5	1235.3	267.6	126.9	109.8	100.6	92.0	89.0	88.2	88.2	86.6
50°	1851.8	1289.4	233.6	119.1	102.1	93.6	86.6	82.8	79.7	78.1	77.4
52.5°	2076.9	1458.1	207.3	109.8	93.6	86.6	80.4	77.4	73.5	69.6	68.8
54°	2295.0	1632.1	205.8	102.1	86.6	82.0	76.6	75.0	70.4	65.0	63.4
55°	2393.2	1733.4	211.2	95.9	82.0	78.9	74.3	72.7	68.1	61.9	61.1
57.5°	2474.5	1772.9	208.1	79.7	74.3	73.5	69.6	67.3	61.9	53.4	51.8
60°	1991.8	1340.5	149.3	70.4	68.1	66.5	63.4	61.9	54.9	45.6	44.9
62.5°	1258.5	771.2	95.1	61.9	59.6	57.2	53.4	51.8	45.6	36.4	34.0
65°	536.0	319.5	64.2	54.9	51.1	47.2	44.1	41.8	36.4	27.1	26.3
67.5°	139.2	113.7	53.4	48.0	42.5	37.1	34.8	30.9	24.8	18.6	17.8
70°	62.7	57.2	44.9	40.2	34.0	28.6	25.5	21.7	16.2	12.4	11.6
72.5°	37.1	36.4	34.0	30.2	25.5	21.7	18.6	14.7	10.8	7.0	7.0
75°	23.2	22.4	23.2	20.9	17.8	16.2	13.9	10.1	6.2	3.1	3.1
77.5°	13.9	13.9	13.9	13.1	12.4	12.4	10.1	6.2	3.1	0.8	0.8
80°	10.8	10.8	11.6	10.8	10.8	10.8	8.5	4.6	1.5	0.0	0.0
82.5°	10.8	11.6	13.1	12.4	10.8	9.3	7.7	4.6	1.5	0.0	0.0
85°	3.1	2.3	3.9	5.4	7.7	7.0	5.4	3.9	1.5	0.0	0.0
87.5°	1.5	1.5	1.5	1.5	0.8	0.8	0.8	0.8	0.8	0.0	0.0
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)