

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: P526387

Luminaire Tested: **GALN-SA1B-750-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526387
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-750-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3367 lumens
Efficiency: N/A
Efficacy: 76.5 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

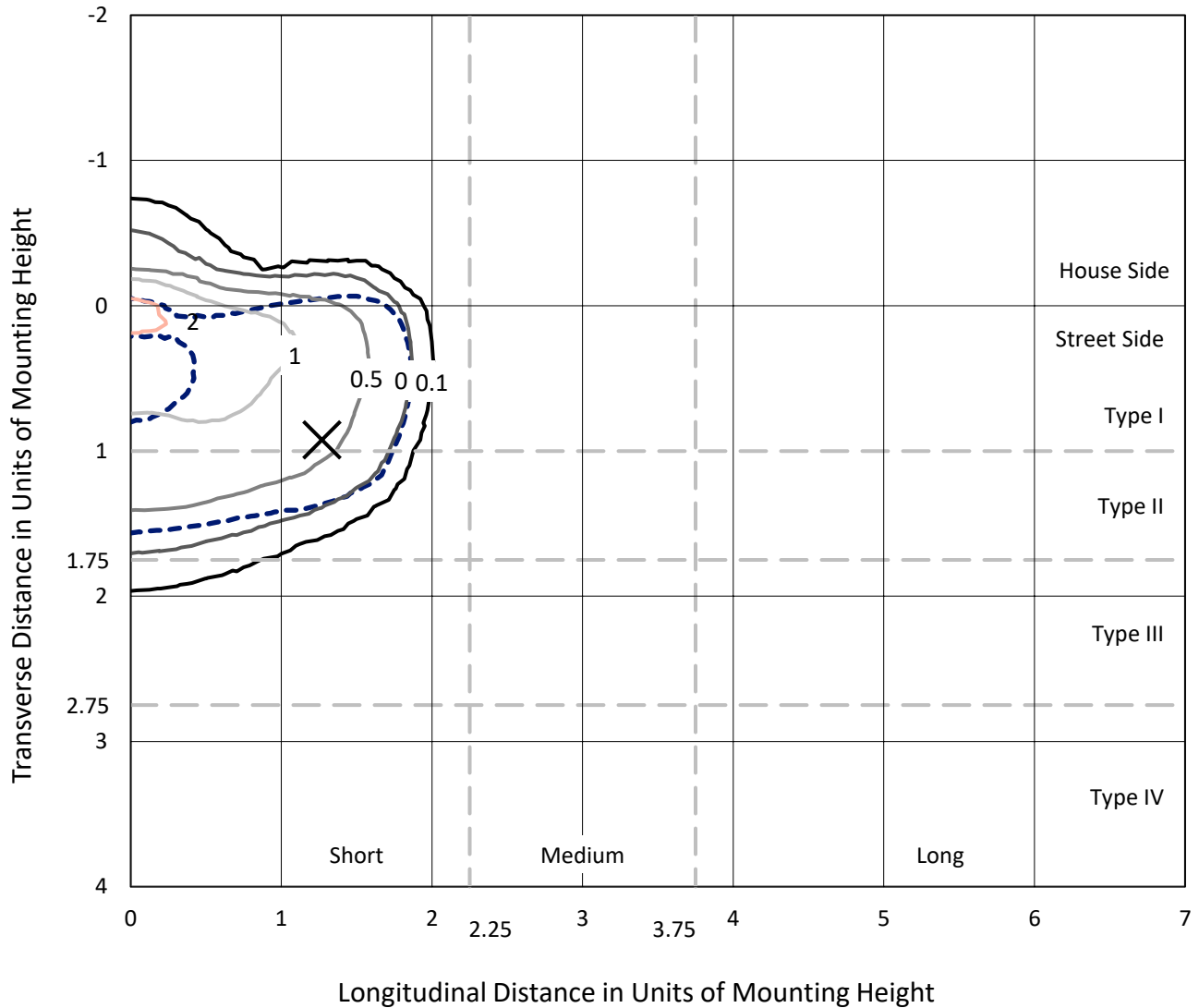
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

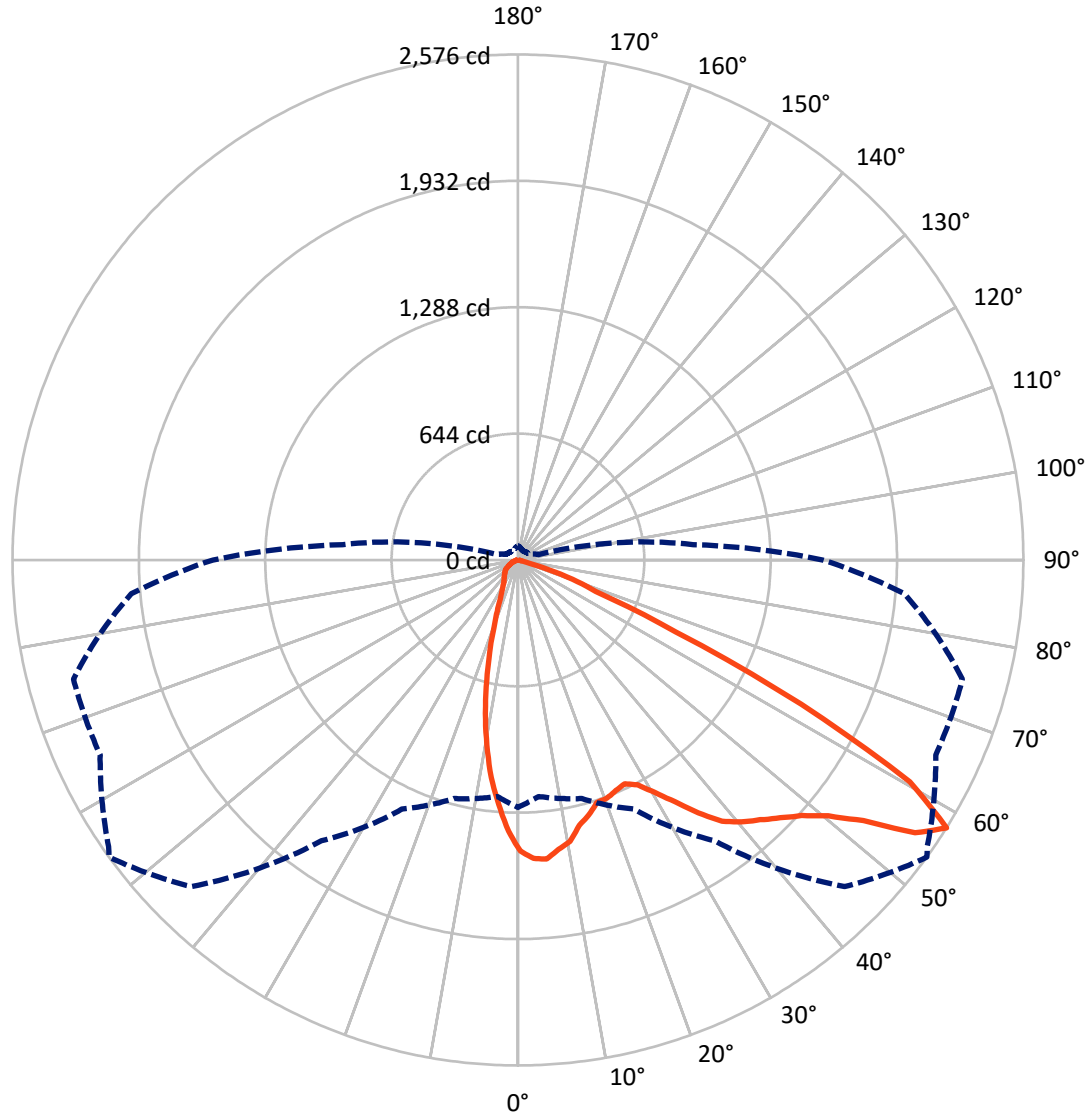
✕ Max cd
 - - - 1/2 Max cd



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 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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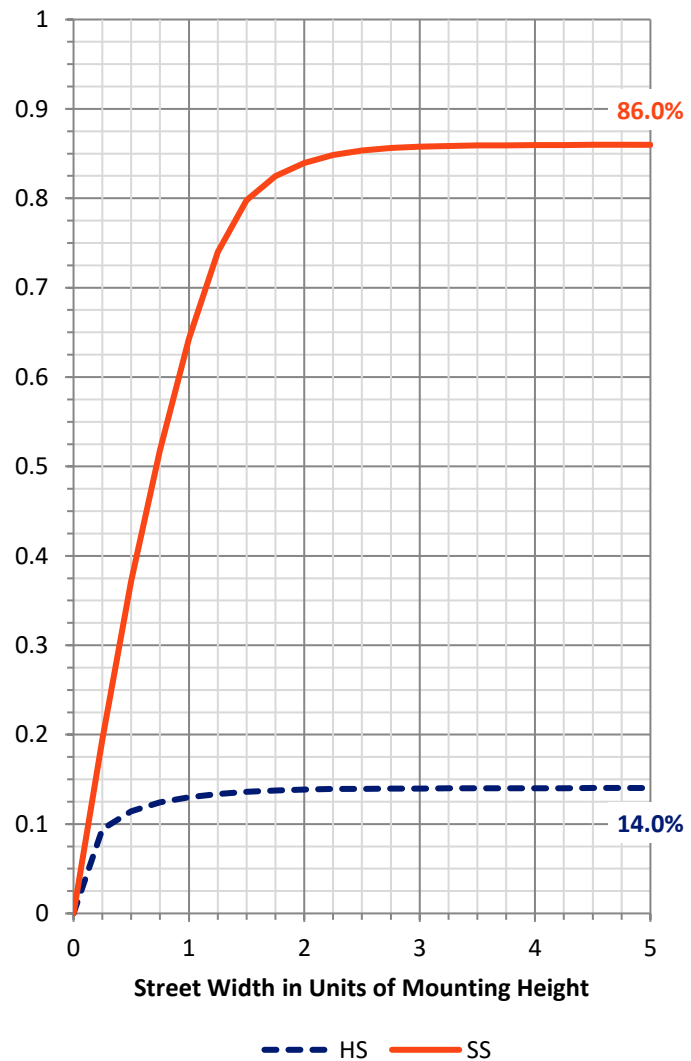
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	475.8	0.0	475.8
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	2891.2	0.0	2891.2
	% Fixture	85.9	0.0	85.9
Total	Lumens	3367.0	0.0	3367.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.1	3.7
10°-20°	265.0	7.9
20°-30°	351.2	10.4
30°-40°	510.3	15.2
40°-50°	756.8	22.5
50°-60°	946.3	28.1
60°-70°	373.3	11.1
70°-80°	37.2	1.1
80°-90°	2.9	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°	3367.0	100.0
0°-180°	3367.0	100.0

Coefficient of Utilization



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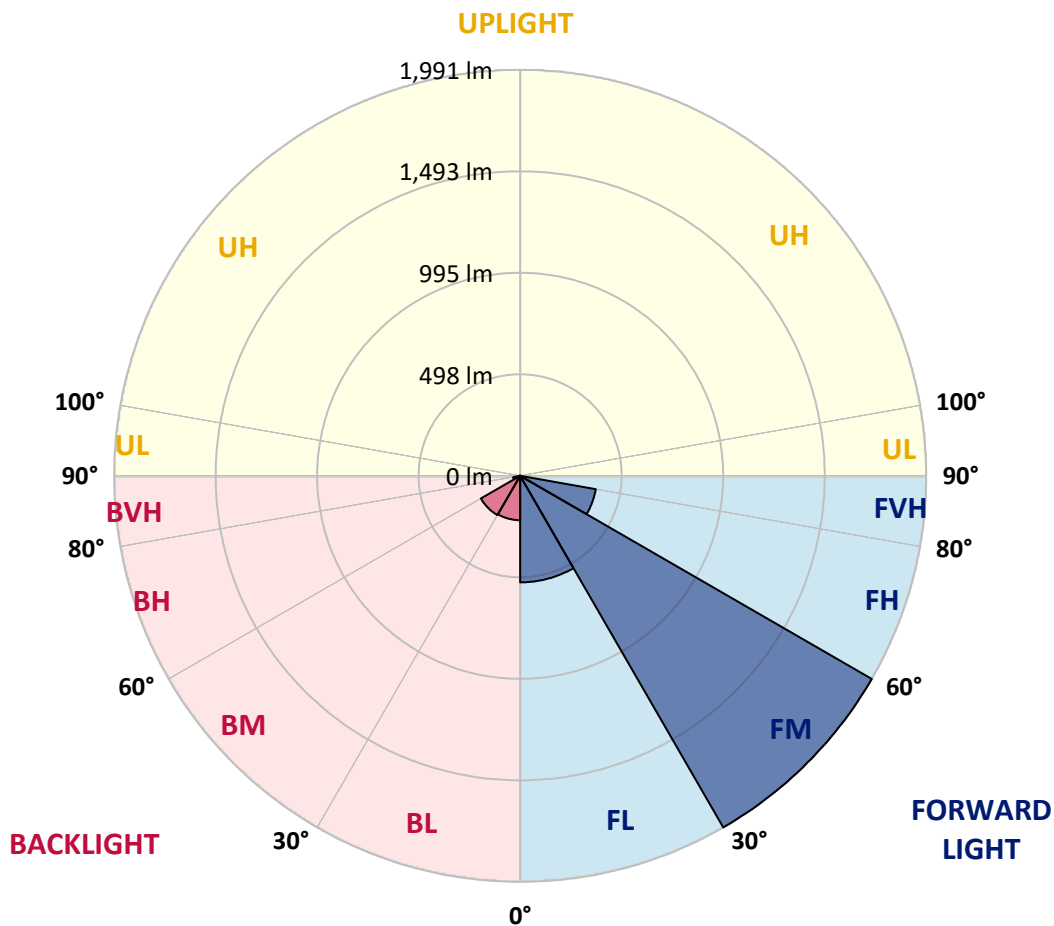
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	522.7	15.5			
FM (30°-60°)	1990.9	59.1			
FH (60°-80°)	376.3	11.2			G0/660
FVH (80°-90°)	1.3	0.0			G0/10
BL (0°-30°)	217.6	6.5	B1/500		
BM (30°-60°)	222.5	6.6	B1/1000		
BH (60°-80°)	34.1	1.0	B0/110		G0/110
BVH (80°-90°)	1.6	0.0			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°	54°	55°	65°	75°	85°
0°	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2
2.5°	1569.6	1553.3	1554.6	1548.9	1541.4	1547.1	1522.7	1528.3	1527.7	1494.5	1472.6
5°	1530.2	1547.7	1529.5	1544.6	1530.2	1545.8	1530.8	1519.5	1501.4	1476.9	1436.3
7.5°	1463.2	1446.3	1451.3	1470.1	1473.2	1508.3	1489.5	1503.9	1496.4	1448.1	1392.4
10°	1328.6	1324.8	1349.9	1374.9	1405.6	1443.1	1457.5	1449.4	1443.8	1425.6	1351.1
12.5°	1225.3	1235.9	1235.3	1276.6	1328.6	1349.9	1387.4	1386.2	1417.5	1383.7	1312.3
15°	1127.0	1132.6	1158.9	1184.6	1242.2	1302.9	1349.2	1355.5	1393.1	1369.3	1282.2
17.5°	1066.9	1058.7	1079.4	1110.1	1168.9	1248.4	1299.8	1314.8	1366.1	1361.1	1247.8
20°	1007.4	1007.4	1024.3	1060.6	1114.4	1204.0	1295.4	1291.0	1366.1	1351.7	1210.9
22.5°	987.3	997.4	1001.7	1029.3	1093.2	1170.2	1276.6	1284.7	1376.8	1347.3	1194.6
25°	1014.9	1001.7	1003.0	1024.9	1085.0	1153.9	1262.8	1281.0	1396.2	1369.3	1181.4
27.5°	1019.3	1032.4	1036.2	1051.2	1091.3	1158.9	1297.3	1334.2	1444.4	1420.6	1185.2
30°	1057.5	1070.6	1070.0	1095.7	1123.2	1199.6	1374.3	1381.8	1543.9	1485.1	1208.4
32.5°	1103.8	1117.6	1122.0	1152.0	1173.9	1274.1	1468.2	1487.6	1639.7	1586.5	1269.1
35°	1161.4	1156.4	1176.4	1206.5	1253.4	1383.0	1582.8	1615.3	1743.0	1718.0	1331.7
37.5°	1233.4	1227.1	1246.5	1295.4	1359.2	1512.0	1688.6	1709.9	1818.2	1840.1	1447.5
40°	1284.1	1286.6	1345.5	1411.2	1478.8	1634.7	1755.6	1776.2	1870.8	1954.0	1535.2
42.5°	1368.6	1384.3	1455.0	1535.2	1605.9	1726.8	1810.0	1830.1	1895.2	2045.4	1653.5
45°	1491.3	1484.5	1562.7	1652.3	1730.5	1822.5	1874.5	1867.6	1909.6	2136.2	1728.0
47.5°	1649.1	1650.4	1702.3	1778.7	1860.1	1905.8	1946.5	1922.1	1939.6	2232.0	1827.6
50°	1756.8	1766.2	1808.1	1886.4	1927.1	1997.2	2049.2	2034.2	2028.5	2289.6	1890.2
52.5°	1784.4	1812.5	1835.1	1932.7	2027.9	2138.7	2205.1	2237.0	2136.8	2309.0	1969.7
55°	1576.5	1601.5	1681.1	1815.0	2066.1	2362.9	2454.3	2454.9	2278.3	2395.4	2025.4
57.5°	1260.3	1209.6	1258.4	1400.6	1746.8	2353.5	2575.7	2546.3	2349.1	2344.7	1977.2
60°	871.5	859.0	862.1	918.5	1209.0	1872.0	2295.2	2333.4	2163.1	2032.3	1565.2
62.5°	690.6	679.9	666.2	659.9	750.7	1166.4	1619.1	1672.9	1512.6	1317.9	927.9
65°	540.9	534.7	536.6	561.6	561.0	661.8	885.3	863.4	691.2	510.9	291.8
67.5°	365.0	374.4	381.9	457.7	496.5	460.8	427.6	415.1	224.8	94.5	64.5
70°	205.4	206.6	214.7	286.1	376.9	357.5	294.9	294.9	112.1	34.4	36.9
72.5°	112.1	108.3	100.8	123.3	167.8	170.3	131.5	114.6	33.2	22.5	20.7
75°	54.5	53.8	46.3	38.2	36.3	30.1	23.2	21.3	15.0	14.4	12.5
77.5°	11.3	10.6	5.6	5.6	6.3	6.9	8.8	8.8	10.6	10.6	8.8
80°	0.0	0.0	0.6	2.5	4.4	6.3	7.5	7.5	8.8	8.8	6.9
82.5°	0.0	0.0	0.6	1.9	3.8	5.6	6.9	7.5	8.8	9.4	7.5
85°	0.0	0.0	0.0	1.3	3.1	4.4	3.8	3.8	3.1	2.5	1.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2	1483.2
2.5°	1461.3	1460.0	1431.2	1415.0	1385.5	1359.9	1339.2	1324.2	1324.2	1314.8	1306.0
5°	1420.0	1409.3	1348.0	1308.5	1252.8	1211.5	1183.3	1161.4	1127.0	1136.4	1099.4
7.5°	1368.6	1341.7	1260.3	1200.2	1123.2	1064.4	1004.2	951.0	899.7	876.5	889.0
10°	1313.5	1266.6	1157.0	1061.8	966.1	858.4	788.2	703.1	650.5	647.4	633.6
12.5°	1255.3	1202.1	1068.7	937.3	811.4	681.8	574.8	495.2	459.6	420.1	427.6
15°	1211.5	1132.6	970.4	812.0	644.9	514.0	406.3	345.0	311.2	301.8	298.6
17.5°	1163.9	1079.4	870.3	678.7	505.9	370.0	292.4	263.0	249.8	249.8	247.9
20°	1114.4	1019.3	770.7	554.7	379.4	276.1	234.2	224.8	224.1	223.5	223.5
22.5°	1081.9	950.4	680.6	440.8	286.1	221.0	203.5	199.7	202.2	209.7	209.7
25°	1047.4	884.0	581.0	340.0	221.6	189.7	179.7	182.2	188.5	195.3	192.8
27.5°	1012.4	840.8	487.1	266.7	181.6	165.9	162.2	167.8	174.7	180.9	179.1
30°	1004.2	794.5	398.2	202.2	155.9	144.6	147.1	152.1	159.0	161.5	164.0
32.5°	1016.8	758.2	326.2	165.9	135.9	132.7	132.7	135.2	139.6	145.3	143.4
35°	1052.5	737.5	257.9	144.0	124.6	121.5	120.8	123.3	125.8	127.7	125.8
37.5°	1106.9	721.3	211.0	127.7	117.1	112.1	110.8	110.2	112.7	113.3	114.6
40°	1176.4	730.0	179.1	117.7	109.6	103.9	100.2	100.2	100.2	102.1	102.7
42.5°	1251.6	741.9	154.6	112.1	102.7	95.8	92.0	90.8	92.0	94.5	93.9
45°	1330.4	765.1	139.0	103.3	96.4	87.7	82.6	81.4	84.5	89.5	88.9
47.5°	1404.3	798.3	127.1	97.7	90.2	82.0	75.8	74.5	80.1	87.0	87.7
50°	1478.2	855.9	122.7	93.3	85.8	76.4	70.7	69.5	75.8	84.5	86.4
52.5°	1563.3	917.8	119.6	87.7	80.8	72.0	65.7	64.5	71.4	82.6	83.3
55°	1619.1	970.4	117.1	77.6	71.4	65.1	60.1	59.5	67.0	77.0	79.5
57.5°	1554.0	897.2	108.3	67.6	60.7	57.6	53.2	53.2	59.5	68.9	70.7
60°	1178.3	590.4	77.0	54.5	51.3	49.5	47.6	47.6	52.6	59.5	60.1
62.5°	690.0	318.1	49.5	43.8	43.8	41.9	38.8	38.8	43.8	47.6	48.2
65°	204.7	102.1	40.1	37.6	36.9	33.8	30.7	30.1	33.8	35.7	35.1
67.5°	58.9	47.0	33.2	31.3	30.7	25.7	23.8	23.2	23.8	22.5	21.9
70°	35.1	31.9	25.7	26.3	23.2	18.8	16.9	16.3	15.0	13.1	11.9
72.5°	19.4	19.4	18.8	20.0	16.3	12.5	10.6	8.8	6.9	5.6	5.0
75°	11.9	12.5	13.1	13.8	10.6	8.1	6.9	4.4	2.5	1.3	1.3
77.5°	8.1	8.8	9.4	10.0	8.8	7.5	5.6	3.1	0.6	0.0	0.0
80°	6.3	6.9	8.1	8.8	9.4	10.0	7.5	3.1	0.6	0.0	0.0
82.5°	6.9	7.5	9.4	8.8	8.8	8.8	6.9	3.1	0.6	0.0	0.0
85°	1.3	1.9	3.1	3.1	4.4	5.6	4.4	1.3	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)