

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: P948060

Luminaire Tested: **GALN-SB3B-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948060
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-722-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11620 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 109.2
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



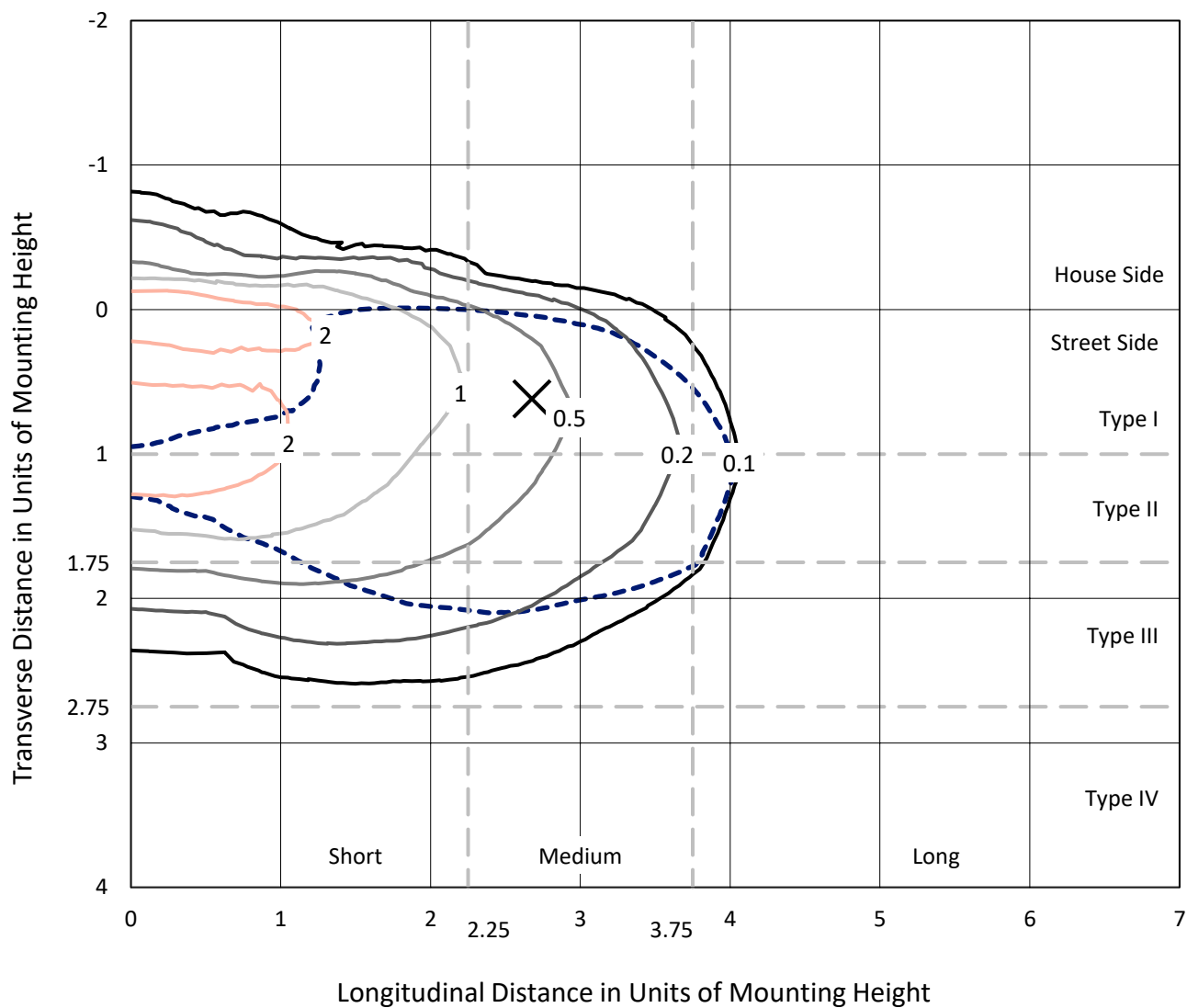
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

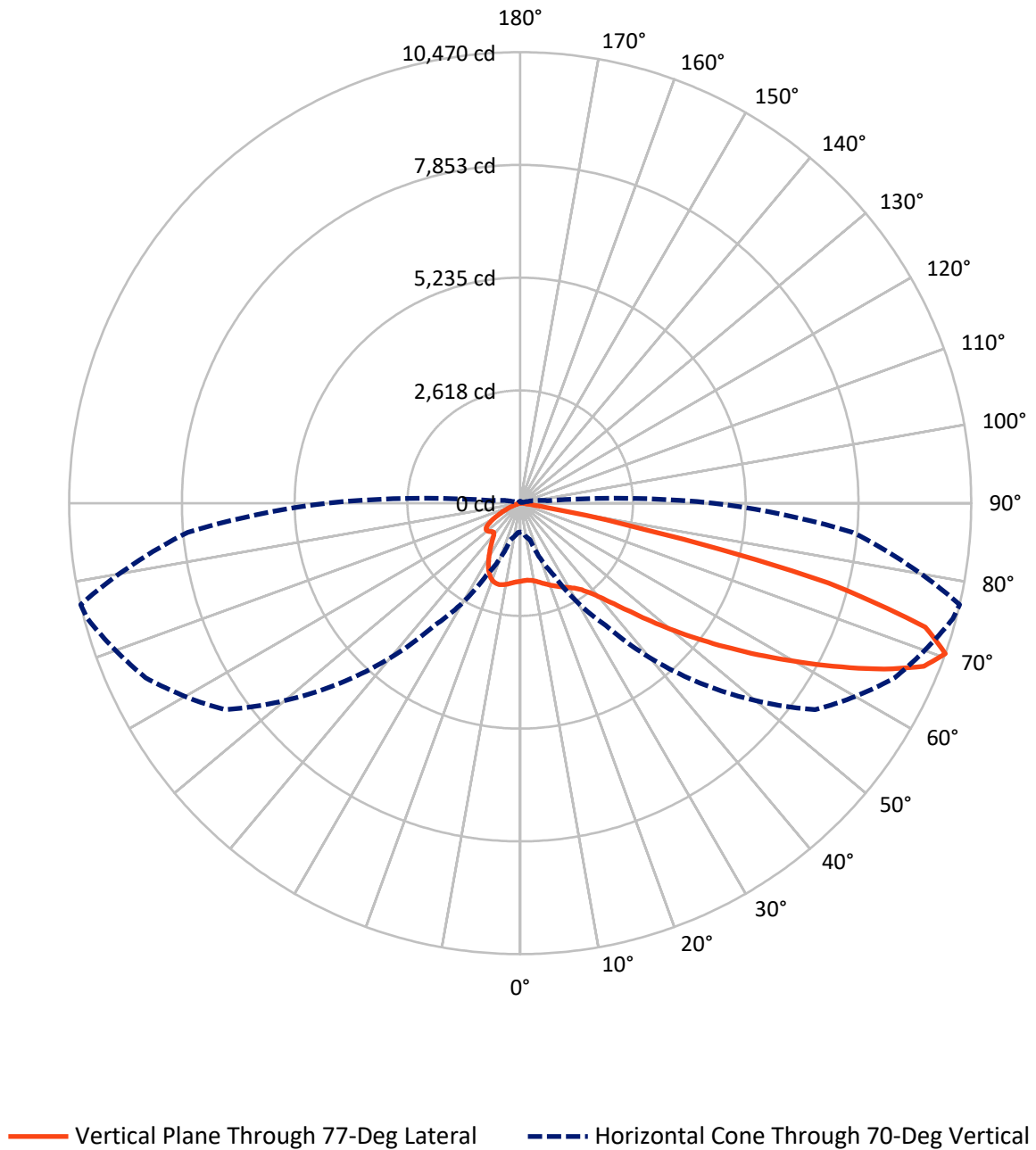
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1224.9	0.0	1224.9
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	10395.1	0.0	10395.1
	% Fixture	89.5	0.0	89.5
Total	Lumens	11620.0	0.0	11620.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.2	1.3
10°-20°	370.8	3.2
20°-30°	573.6	4.9
30°-40°	1040.8	9.0
40°-50°	1964.6	16.9
50°-60°	2838.6	24.4
60°-70°	3021.6	26.0
70°-80°	1601.3	13.8
80°-90°	52.6	0.5
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°	11620.0	100.0
0°-180°	11620.0	100.0

Coefficient of Utilization



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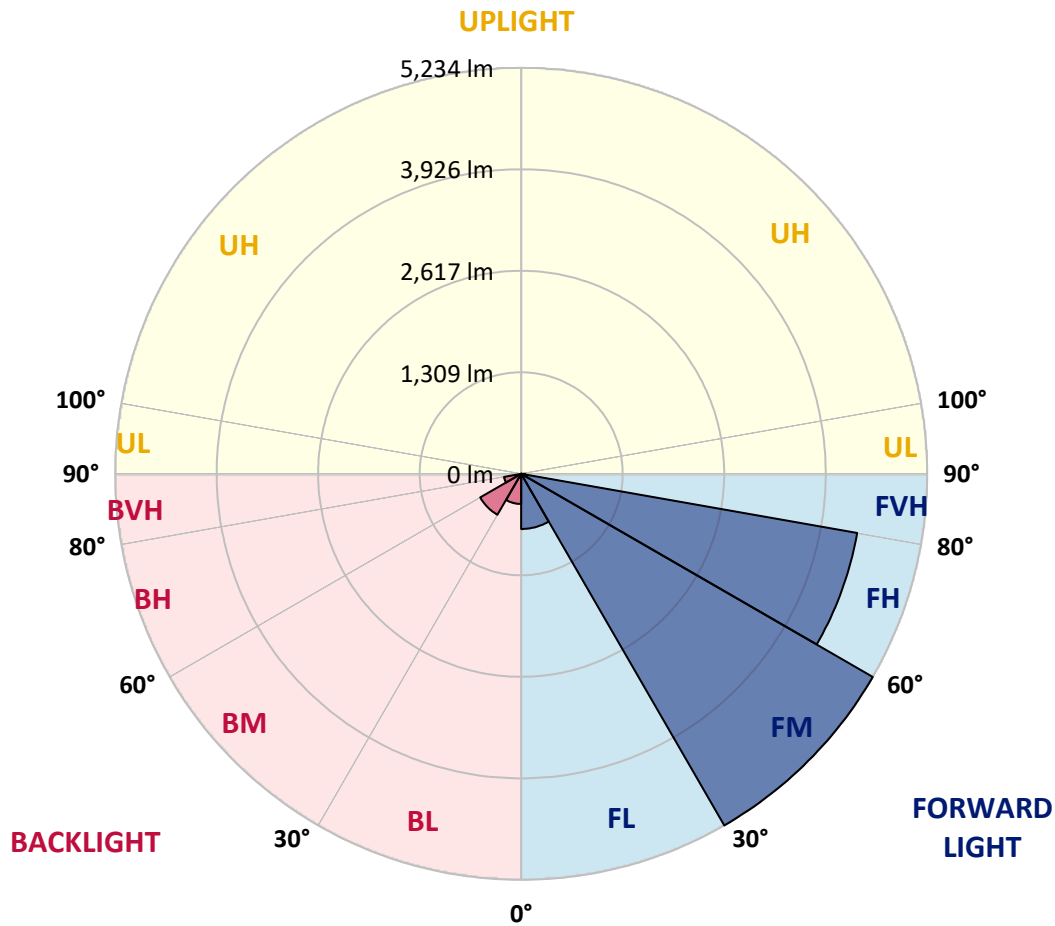
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	711.4	6.1			
FM	(30°-60°)	5234.2	45.0			
FH	(60°-80°)	4398.3	37.9			G2/5000
FVH	(80°-90°)	51.2	0.4			G1/100
BL	(0°-30°)	389.2	3.3	B1/500		
BM	(30°-60°)	609.8	5.2	B1/1000		
BH	(60°-80°)	224.6	1.9	B1/500		G1/500
BVH	(80°-90°)	1.4	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-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1812.5	1812.5	1812.5	1812.5	1812.5	1812.5	1812.5	1812.5	1812.5	1812.5	1812.5
2.5°	1701.7	1717.1	1714.9	1725.2	1728.9	1743.5	1758.2	1778.0	1800.0	1799.3	1814.0
5°	1605.6	1621.0	1624.7	1638.6	1656.2	1679.0	1709.0	1748.7	1789.8	1796.4	1825.7
7.5°	1491.8	1508.0	1517.5	1545.4	1577.7	1624.7	1673.8	1731.8	1800.0	1809.6	1866.1
10°	1378.1	1392.8	1405.2	1444.9	1496.2	1566.0	1645.9	1729.6	1821.3	1835.3	1915.2
12.5°	1307.6	1321.6	1335.5	1370.0	1433.9	1519.0	1627.6	1739.9	1856.5	1876.4	1982.0
15°	1282.7	1295.2	1306.2	1337.0	1396.4	1493.3	1623.9	1761.1	1901.3	1927.7	2062.7
17.5°	1286.4	1293.0	1300.3	1323.8	1381.8	1481.6	1630.5	1797.8	1954.1	1977.6	2143.5
20°	1307.6	1311.3	1312.1	1328.2	1379.6	1480.1	1643.7	1833.1	2004.0	2035.6	2223.4
22.5°	1334.8	1336.3	1334.8	1345.8	1393.5	1491.1	1661.3	1875.6	2059.8	2089.2	2304.2
25°	1461.7	1433.9	1398.6	1377.4	1417.0	1512.4	1687.8	1932.9	2120.7	2149.3	2382.7
27.5°	1855.8	1775.8	1649.6	1508.0	1465.4	1543.2	1724.5	1990.8	2182.4	2208.0	2467.1
30°	2495.7	2390.8	2176.5	1857.3	1621.0	1607.8	1772.2	2048.8	2247.7	2275.5	2557.3
32.5°	3137.0	3111.4	2864.1	2422.3	1971.0	1751.6	1851.4	2127.3	2334.2	2356.3	2679.1
35°	3785.7	3733.6	3531.1	3094.5	2510.4	2044.4	1983.5	2230.0	2448.0	2472.9	2856.7
37.5°	4282.5	4251.0	4125.5	3765.9	3150.2	2496.4	2209.5	2389.3	2613.1	2641.0	3084.2
40°	4721.3	4706.7	4664.1	4427.1	3865.7	3087.9	2561.0	2635.8	2842.0	2875.1	3363.1
42.5°	5066.2	5100.7	5124.9	5058.9	4603.2	3763.0	3033.6	2982.2	3161.3	3195.0	3718.2
45°	5419.2	5430.9	5528.5	5623.9	5335.5	4468.9	3566.3	3388.0	3558.2	3600.1	4143.8
47.5°	5645.9	5692.9	5864.6	6032.7	5951.2	5169.0	4138.7	3867.2	4018.3	4096.9	4620.8
50°	5662.8	5751.6	5987.9	6280.7	6399.6	5835.3	4761.0	4413.1	4573.8	4660.4	5130.1
52.5°	5381.8	5519.7	5885.9	6314.4	6641.7	6399.6	5404.5	4959.1	5165.3	5278.3	5658.4
55°	4126.2	4306.7	5502.1	6131.0	6651.3	6827.4	6031.2	5527.8	5824.2	5951.9	6229.3
57.5°	3594.9	3685.9	4325.8	5812.5	6474.4	6999.8	6597.7	6069.3	6541.2	6699.7	6768.7
60°	2991.0	3110.6	3628.0	5291.5	6234.4	7016.7	7098.1	6767.9	7318.3	7496.6	7263.2
62.5°	2032.7	2162.5	2676.9	4396.3	5906.4	7008.6	7508.3	7487.1	8182.0	8373.5	7682.3
65°	1259.2	1340.7	1679.7	3589.8	5447.8	7017.4	7937.6	8360.3	9093.4	9287.8	8006.6
67.5°	995.0	1032.5	1209.3	2756.2	4657.5	6819.3	8366.2	9181.4	9951.2	10105.3	8105.7
70°	668.5	691.2	879.8	1847.7	3465.0	5905.0	8358.1	9593.8	10392.9	10470.0	7744.6
72.5°	352.2	369.8	514.4	855.6	2092.8	4197.4	7045.3	9100.7	9953.4	9837.5	6619.7
75°	176.1	205.5	346.4	434.4	893.8	2340.9	4375.0	7175.2	7834.2	7385.1	4247.3
77.5°	133.6	161.4	286.2	286.2	311.1	788.1	1852.9	3913.4	3609.6	3005.7	1246.7
80°	85.1	110.1	250.2	216.5	129.9	200.3	482.8	1096.3	766.8	583.4	226.7
82.5°	49.9	71.9	208.4	143.1	72.6	74.1	136.5	233.4	198.9	154.8	69.7
85°	19.8	47.0	143.1	56.5	28.6	18.3	41.1	49.9	41.1	30.8	17.6
87.5°	0.0	11.0	24.9	0.0	2.2	1.5	2.9	3.7	3.7	2.9	5.9
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°	1812.5	1812.5	1812.5	1812.5	1812.5	1812.5	1812.5	1812.5	1812.5	1812.5	1812.5
2.5°	1820.6	1822.0	1826.5	1827.2	1816.9	1803.7	1798.6	1796.4	1787.6	1786.8	1788.3
5°	1842.6	1849.2	1842.6	1823.5	1778.0	1714.2	1665.7	1626.1	1590.2	1579.2	1572.6
7.5°	1886.6	1893.2	1873.4	1798.6	1684.1	1557.1	1442.7	1362.0	1289.3	1262.2	1251.1
10°	1949.7	1958.5	1896.2	1745.0	1542.5	1338.5	1144.7	1008.3	901.9	858.6	840.2
12.5°	2029.0	2032.7	1908.6	1663.5	1358.3	1067.0	792.5	646.5	551.8	516.6	505.6
15°	2116.3	2111.2	1910.1	1552.7	1107.3	754.4	517.3	424.9	386.7	375.0	375.0
17.5°	2208.0	2186.8	1880.8	1392.8	832.1	515.9	383.8	361.8	355.2	352.2	351.5
20°	2298.3	2250.6	1827.2	1183.6	597.3	385.3	348.6	342.0	338.3	336.8	335.4
22.5°	2380.5	2299.0	1735.5	940.7	433.7	340.5	329.5	323.6	317.0	314.1	313.3
25°	2460.5	2326.9	1606.3	714.0	347.1	318.5	309.7	298.7	289.9	286.2	284.7
27.5°	2538.2	2344.5	1444.9	528.3	309.7	297.9	281.8	266.4	259.8	258.3	256.8
30°	2621.2	2350.4	1261.4	394.1	286.9	272.2	248.8	231.2	227.5	228.2	228.2
32.5°	2722.4	2359.2	1076.5	322.9	267.8	241.4	213.5	195.2	192.3	195.2	194.5
35°	2843.5	2376.8	898.2	297.2	251.0	209.9	179.8	164.4	161.4	163.6	162.9
37.5°	3007.9	2405.4	731.6	292.1	237.0	183.5	151.2	138.7	138.7	139.4	138.7
40°	3226.6	2481.7	582.6	288.4	229.7	163.6	127.7	122.5	124.7	126.2	126.2
42.5°	3492.9	2643.9	482.1	284.0	221.6	154.8	115.9	113.7	117.4	118.9	118.9
45°	3791.6	2849.4	446.9	276.6	214.3	160.7	110.8	107.9	112.3	113.0	113.7
47.5°	4100.5	3050.4	442.5	268.6	206.9	169.5	109.3	102.7	107.9	108.6	109.3
50°	4413.1	3181.8	446.9	256.1	195.2	169.5	110.1	97.6	102.0	104.2	104.9
52.5°	4727.9	3242.0	444.0	228.9	174.6	159.2	110.1	93.2	97.6	99.1	99.1
55°	5033.2	3230.2	399.2	188.6	148.2	140.9	107.1	89.5	92.5	93.2	93.2
57.5°	5274.6	3066.6	316.3	146.8	120.3	117.4	97.6	85.1	87.3	86.6	86.6
60°	5400.8	2707.0	226.0	113.0	94.7	92.5	85.9	79.3	80.7	77.1	76.3
62.5°	5402.3	2231.5	151.2	89.5	75.6	73.4	73.4	71.2	69.7	62.4	60.2
65°	5287.1	1703.9	100.5	71.2	60.9	57.2	61.6	60.9	55.8	45.5	44.0
67.5°	5025.9	1116.9	76.3	55.8	47.0	44.8	49.2	51.4	47.7	38.2	37.4
70°	4488.7	650.2	63.1	43.3	35.2	33.0	39.6	44.0	39.6	30.8	29.4
72.5°	3728.5	350.8	51.4	32.3	24.2	22.0	31.6	36.0	31.6	22.7	22.0
75°	2419.4	187.9	39.6	21.3	12.5	13.9	23.5	26.4	22.0	14.7	13.2
77.5°	812.3	82.9	24.9	10.3	5.9	5.9	13.9	16.1	10.3	5.1	4.4
80°	181.3	34.5	10.3	4.4	2.2	2.2	2.9	2.9	1.5	0.0	0.0
82.5°	59.4	13.9	4.4	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	22.7	5.1	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.8	0.7	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)