

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: P939564

Luminaire Tested: **GALN-SB2B-722-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939564
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2B-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6793 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 73.9
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

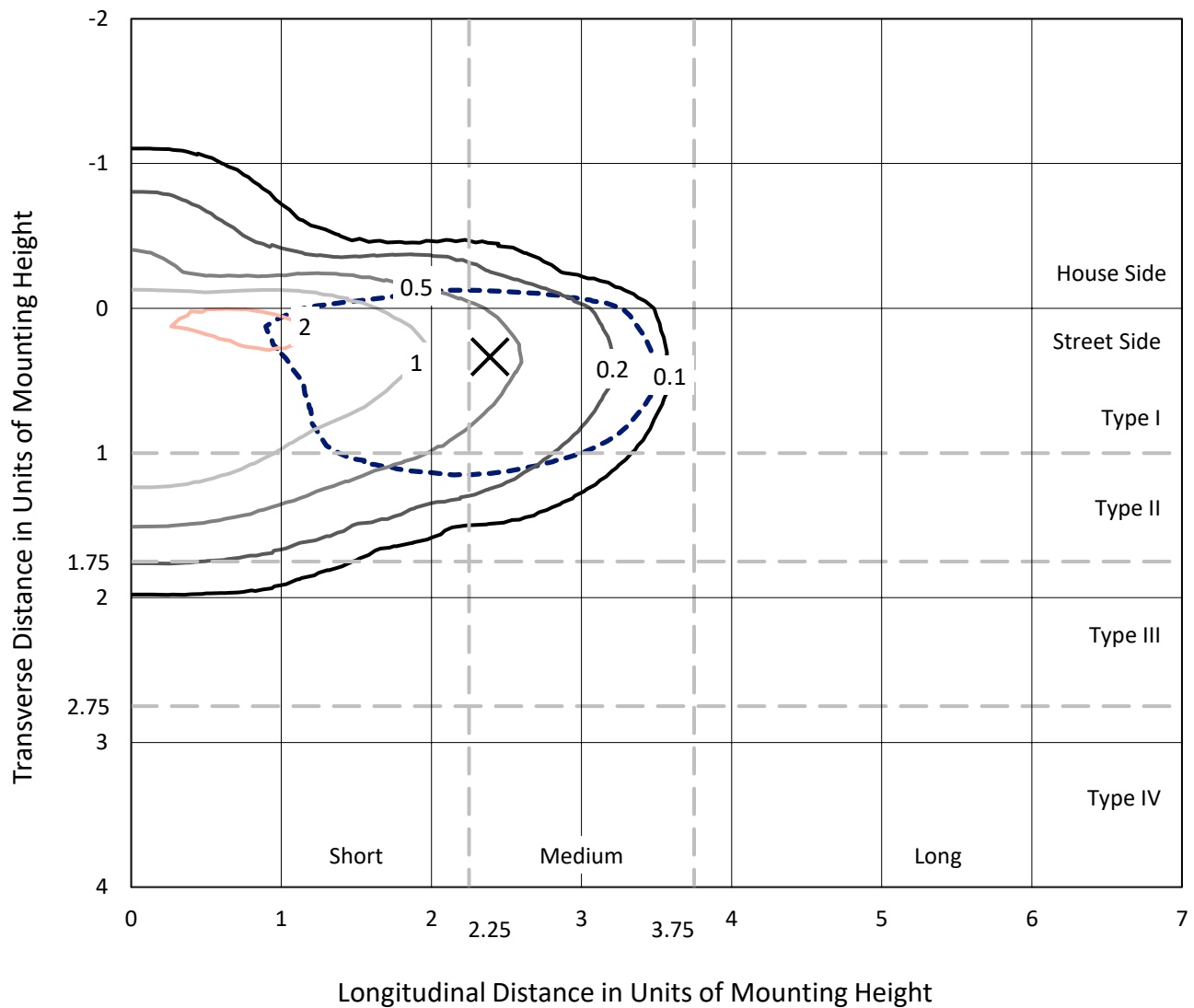


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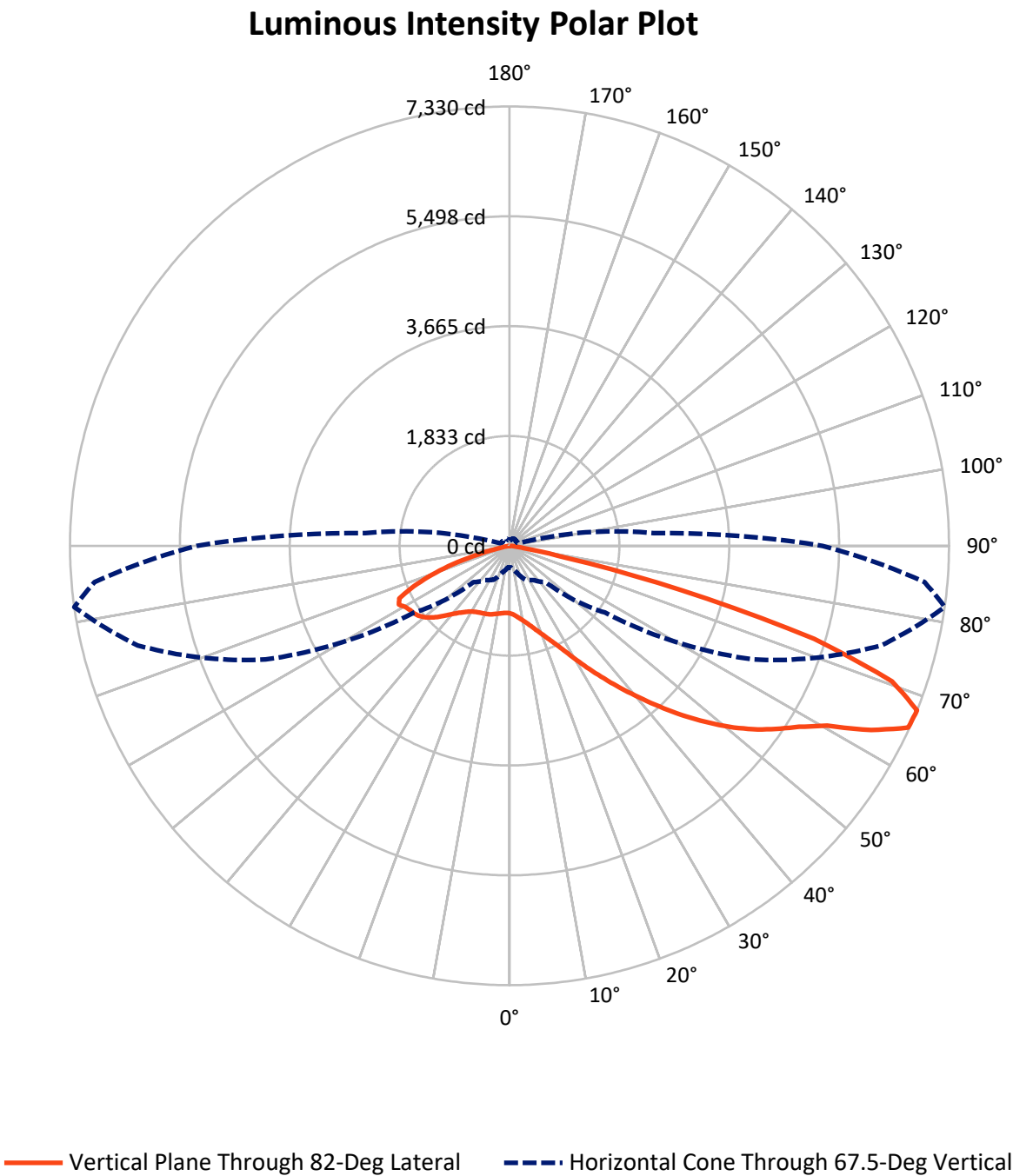
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1230.5	0.0	1230.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	5562.5	0.0	5562.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	6793.0	0.0	6793.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.3	1.5
10°-20°	260.5	3.8
20°-30°	417.3	6.1
30°-40°	737.9	10.9
40°-50°	1292.9	19.0
50°-60°	1724.4	25.4
60°-70°	1605.3	23.6
70°-80°	616.1	9.1
80°-90°	38.3	0.6
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°	6793.0	100.0
0°-180°	6793.0	100.0

Coefficient of Utilization



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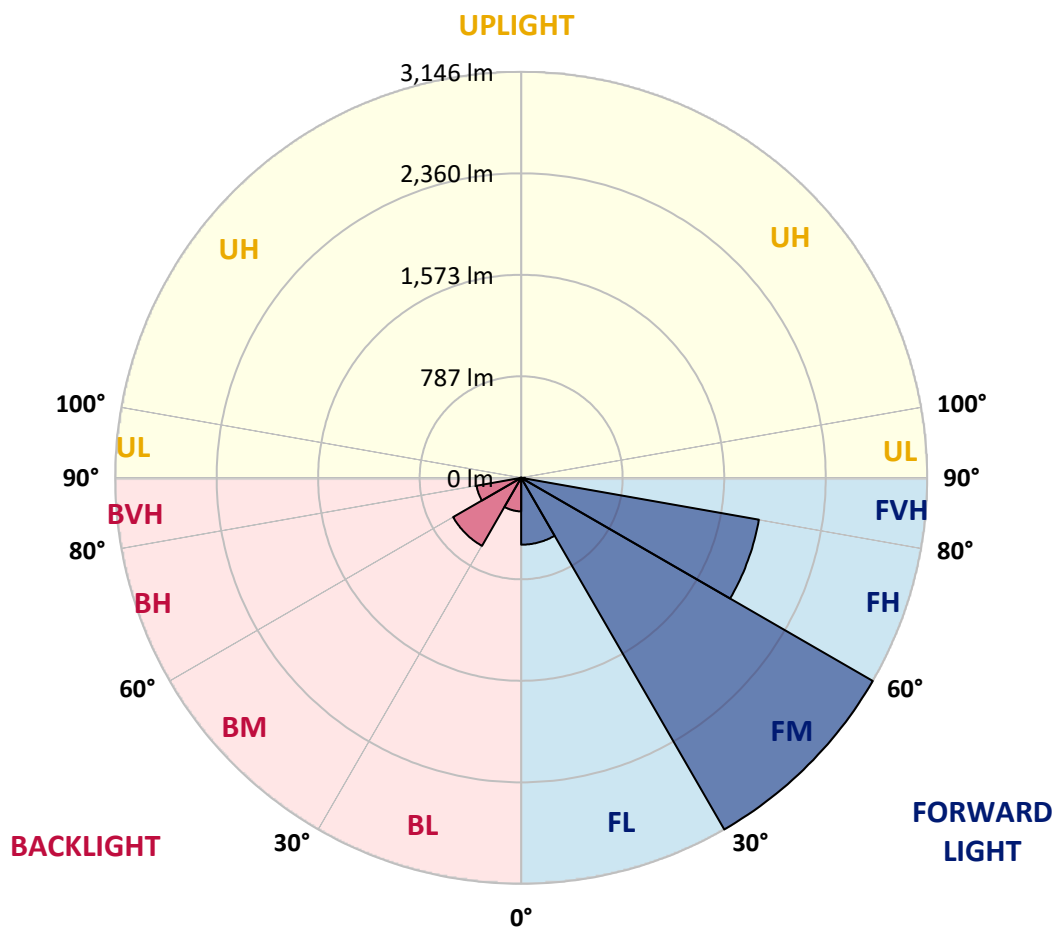
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	518.2	7.6			
FM	(30°-60°)	3146.2	46.3			
FH	(60°-80°)	1870.2	27.5			G2/5000
FVH	(80°-90°)	27.8	0.4			G1/100
BL	(0°-30°)	259.9	3.8	B1/500		
BM	(30°-60°)	609.0	9.0	B1/1000		
BH	(60°-80°)	351.2	5.2	B1/500		G1/500
BVH	(80°-90°)	10.5	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4
2.5°	1189.4	1196.3	1192.4	1190.4	1187.0	1182.1	1178.2	1166.0	1153.2	1144.9	1142.0
5°	1213.4	1220.3	1219.8	1221.7	1224.2	1225.6	1224.7	1211.0	1192.9	1178.7	1170.4
7.5°	1192.9	1200.7	1207.0	1216.8	1233.9	1252.0	1260.8	1257.9	1239.3	1219.8	1209.5
10°	1134.7	1143.0	1158.1	1181.1	1217.3	1256.4	1289.2	1304.4	1292.6	1271.1	1256.9
12.5°	1028.0	1036.4	1066.2	1116.1	1176.7	1244.7	1307.3	1347.9	1350.8	1329.3	1312.7
15°	908.2	916.5	948.3	1010.9	1103.4	1212.4	1317.1	1393.9	1419.8	1401.2	1381.2
17.5°	833.9	841.2	865.2	915.6	1011.9	1147.9	1313.7	1442.8	1502.0	1487.3	1463.3
20°	811.4	817.7	829.0	864.2	944.4	1080.9	1291.2	1488.8	1590.5	1582.2	1555.3
22.5°	835.3	841.2	844.6	860.3	910.7	1036.8	1262.8	1535.7	1693.2	1694.2	1661.4
25°	890.6	896.5	892.6	902.4	924.4	1023.2	1252.0	1591.0	1822.3	1833.1	1795.9
27.5°	981.6	982.1	972.8	972.3	975.7	1043.7	1263.3	1650.2	1985.2	2005.2	1959.2
30°	1164.0	1156.7	1121.0	1082.3	1064.7	1105.3	1294.6	1720.1	2177.4	2213.1	2155.4
32.5°	1445.2	1434.5	1368.9	1276.5	1183.6	1204.6	1350.8	1799.8	2386.7	2451.3	2380.8
35°	1750.4	1747.5	1679.0	1541.6	1379.2	1345.9	1442.3	1904.5	2615.1	2717.8	2634.2
37.5°	2034.1	2032.6	1993.5	1831.6	1634.0	1543.0	1589.0	2041.4	2859.6	3008.3	2909.5
40°	2293.3	2297.7	2258.6	2113.8	1914.7	1795.9	1788.6	2210.6	3131.6	3324.8	3207.4
42.5°	2517.3	2522.2	2482.6	2375.5	2192.1	2075.7	2033.6	2418.0	3397.1	3664.7	3525.8
45°	2669.4	2699.7	2693.8	2608.3	2476.7	2355.9	2328.0	2678.2	3699.9	4025.1	3862.3
47.5°	2712.4	2740.3	2784.3	2796.1	2715.9	2597.0	2630.3	2991.7	4006.0	4386.1	4200.7
50°	2606.3	2632.2	2723.7	2845.5	2901.2	2864.5	2924.2	3327.7	4319.5	4746.0	4532.8
52.5°	2397.0	2423.4	2538.8	2731.5	2958.9	3074.3	3219.1	3658.8	4623.3	5086.9	4847.3
55°	2094.2	2122.1	2270.3	2488.4	2848.9	3160.9	3465.1	3989.4	4901.5	5393.6	5130.9
57.5°	1682.4	1703.0	1857.0	2162.2	2572.1	3074.8	3646.6	4350.4	5163.7	5694.8	5412.1
60°	1096.5	1114.6	1293.6	1634.0	2113.3	2787.3	3682.8	4752.9	5511.9	6086.6	5791.2
62.5°	729.2	741.4	847.6	1097.5	1488.3	2235.1	3471.0	5074.2	6022.5	6768.4	6441.2
65°	500.3	512.6	618.7	792.8	961.5	1478.5	2862.1	5031.6	6485.2	7309.8	6922.9
67.5°	357.0	367.3	457.3	621.6	696.0	858.8	1940.2	4487.8	6418.7	7330.3	6948.8
70°	255.8	261.7	336.0	484.2	553.1	516.0	1078.9	3432.4	5620.0	6768.8	6419.6
72.5°	179.0	181.0	233.3	368.8	445.6	376.6	513.5	2288.4	4250.6	5312.9	4976.9
75°	121.3	123.7	157.0	270.5	357.5	287.6	271.9	1227.1	2495.3	2940.8	2636.1
77.5°	74.3	75.3	101.2	184.9	267.5	219.1	175.1	519.9	965.4	947.8	808.0
80°	42.1	42.1	64.6	114.9	182.4	141.3	122.8	221.1	305.7	268.5	236.7
82.5°	23.5	24.0	47.0	71.4	120.8	83.6	67.5	102.2	132.1	116.9	101.7
85°	9.8	10.8	28.9	33.7	57.7	41.6	27.4	43.0	48.9	43.5	31.8
87.5°	1.0	1.5	8.8	6.4	6.8	8.3	3.9	8.3	6.8	6.8	4.9
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°	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4	1125.4
2.5°	1132.7	1125.4	1106.8	1085.3	1056.9	1043.2	1024.6	1011.9	1001.1	1002.1	992.3
5°	1154.7	1136.1	1094.6	1042.7	978.2	932.2	883.3	849.5	822.1	816.3	803.1
7.5°	1185.0	1155.7	1082.8	989.4	880.3	797.7	723.8	676.4	642.6	631.9	621.1
10°	1224.2	1181.6	1067.7	922.4	765.4	660.3	581.0	543.9	520.9	513.0	507.2
12.5°	1269.6	1211.4	1047.6	840.7	647.1	545.8	495.4	476.9	469.5	467.1	465.6
15°	1326.9	1248.6	1017.3	743.9	546.8	475.9	454.4	451.9	452.9	451.9	451.4
17.5°	1394.9	1289.2	967.9	644.1	479.3	440.2	432.3	434.3	436.7	436.3	435.3
20°	1469.2	1329.3	904.8	555.6	433.3	414.7	410.3	412.3	414.2	413.3	412.8
22.5°	1553.8	1372.4	834.9	486.6	402.5	391.3	386.4	386.9	386.9	384.9	383.9
25°	1655.0	1419.8	761.5	437.7	379.0	370.2	364.4	362.4	359.5	353.6	352.6
27.5°	1775.8	1470.2	691.1	403.5	360.5	352.1	345.3	340.4	333.1	323.3	322.3
30°	1911.8	1531.3	631.4	382.0	345.8	337.5	329.6	322.3	311.5	299.3	298.3
32.5°	2071.7	1596.8	587.9	367.8	332.6	323.8	314.5	305.7	293.9	281.7	282.2
35°	2262.5	1676.1	562.4	358.0	322.3	310.6	300.3	290.5	281.7	270.9	270.0
37.5°	2469.4	1760.2	554.6	353.1	315.5	297.4	285.6	278.8	277.8	271.4	270.9
40°	2695.8	1860.0	560.5	350.2	308.1	284.6	271.9	270.5	272.9	261.7	262.1
42.5°	2935.5	1978.3	570.3	346.8	297.8	271.9	259.7	259.7	257.7	242.1	242.1
45°	3194.7	2114.8	580.0	338.4	285.6	259.2	249.9	246.5	238.2	223.0	222.5
47.5°	3455.8	2253.7	587.4	323.3	270.9	248.5	240.1	232.3	220.1	206.4	205.9
50°	3703.8	2378.4	579.6	300.8	254.3	238.2	229.4	218.6	205.4	196.1	194.7
52.5°	3925.3	2486.5	546.3	274.4	236.7	227.4	219.6	208.3	197.6	187.8	186.8
55°	4118.0	2574.0	487.6	249.4	221.1	218.1	210.3	196.1	181.4	173.1	172.2
57.5°	4302.9	2640.5	414.2	228.9	206.9	207.9	196.1	183.4	169.7	160.9	159.9
60°	4548.9	2729.5	339.9	209.8	191.7	194.7	181.9	172.6	155.5	144.3	142.8
62.5°	4942.1	2868.0	270.0	186.3	174.1	175.1	169.7	158.5	137.9	124.7	123.7
65°	5254.2	2817.1	212.7	160.9	154.1	155.5	155.5	143.3	121.3	106.1	104.7
67.5°	5219.0	2412.1	169.7	136.0	135.0	136.0	139.4	129.1	107.6	95.4	93.4
70°	4807.6	1918.7	136.0	113.0	117.4	114.9	124.7	117.9	96.8	84.6	83.1
72.5°	3922.9	1382.1	103.7	93.4	90.0	93.9	112.5	106.1	80.7	67.0	65.5
75°	2292.3	737.5	77.3	73.9	65.0	78.3	99.8	90.5	61.6	49.4	47.9
77.5°	746.3	257.3	56.7	54.3	48.4	63.1	85.1	76.3	50.4	39.1	37.7
80°	200.0	77.8	38.6	35.7	31.3	47.0	67.5	60.6	36.2	25.4	24.9
82.5°	80.2	32.8	22.5	20.1	17.1	32.3	53.3	48.9	26.9	16.1	16.1
85°	25.9	10.8	8.3	6.4	7.8	20.1	31.8	33.3	19.1	8.3	6.4
87.5°	3.4	1.5	1.5	2.0	1.5	3.4	9.8	9.3	5.4	1.0	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)