

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: P945917

Luminaire Tested: **GALN-SB1D-722-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945917
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1D-722-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8522 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 79.6
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



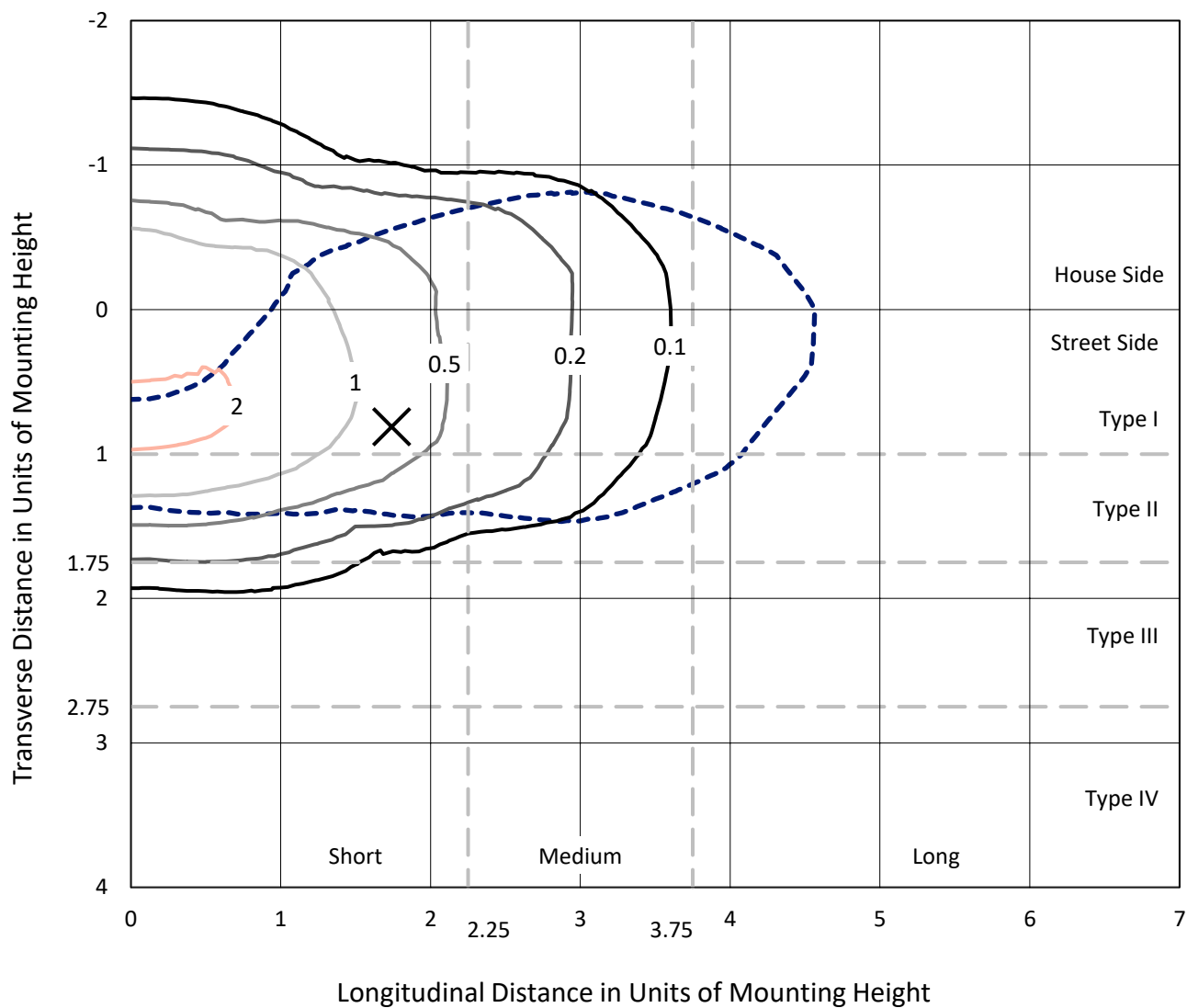
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

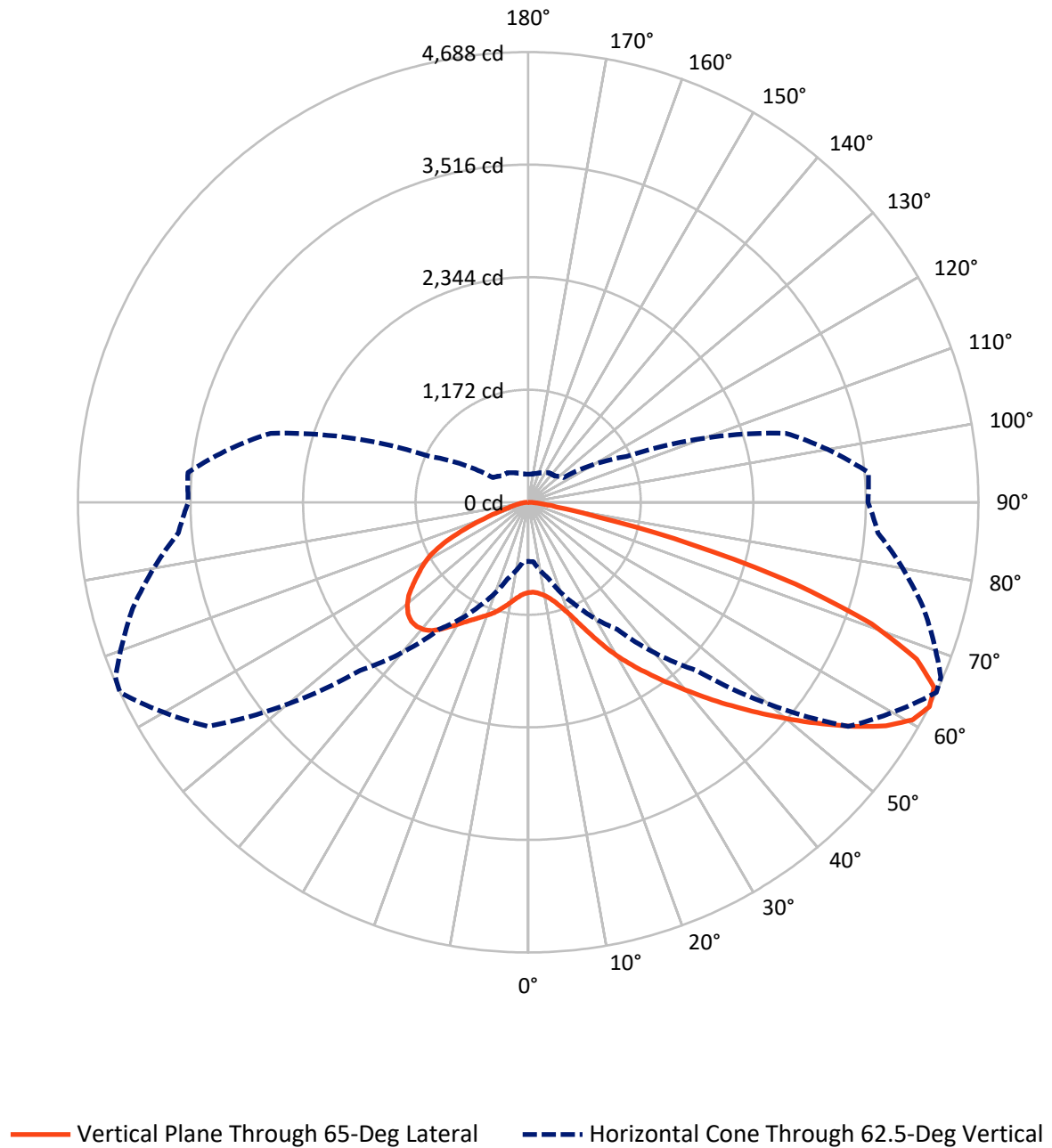


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2689.2	0.0	2689.2
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	5832.8	0.0	5832.8
	% Fixture	68.4	0.0	68.4
Total	Lumens	8522.0	0.0	8522.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.6	1.1
10°-20°	317.5	3.7
20°-30°	643.8	7.6
30°-40°	1114.0	13.1
40°-50°	1685.8	19.8
50°-60°	1976.5	23.2
60°-70°	1657.1	19.4
70°-80°	914.8	10.7
80°-90°	118.8	1.4
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°	8522.0	100.0
0°-180°	8522.0	100.0

Coefficient of Utilization



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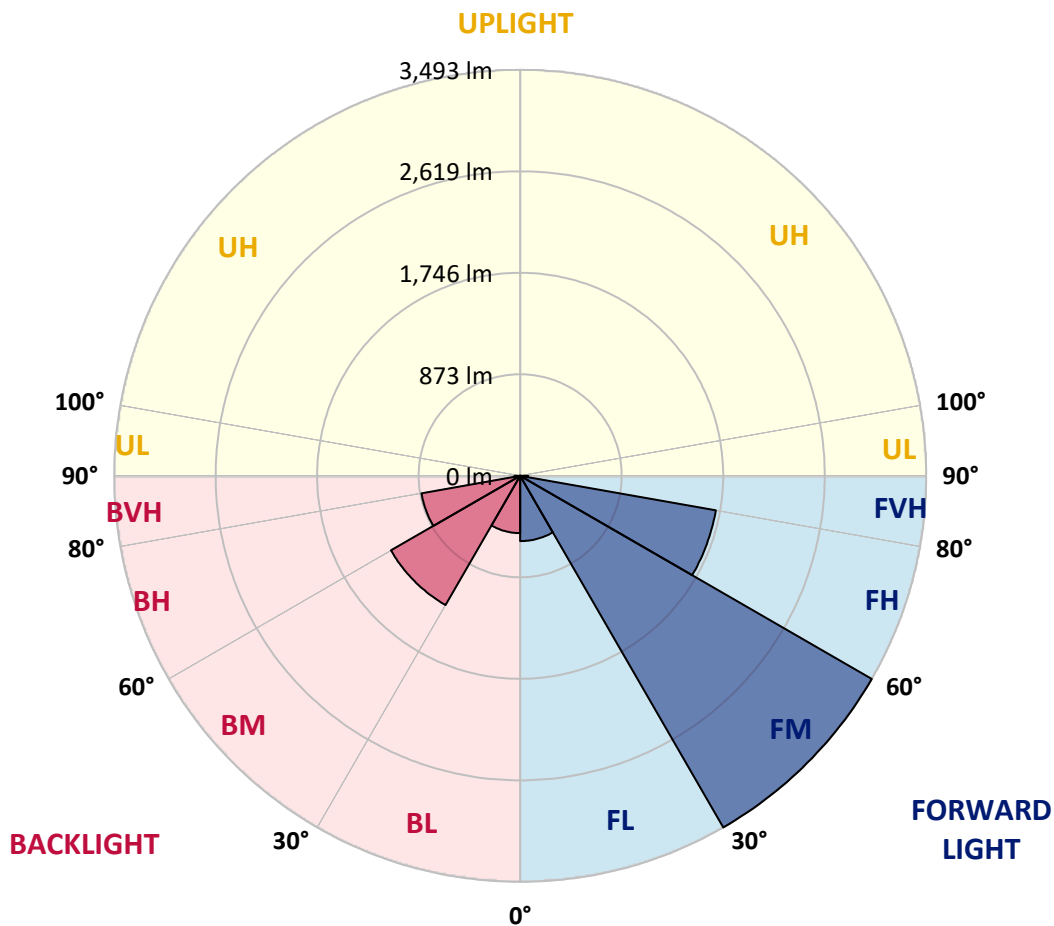
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	561.7	6.6			
FM	(30°-60°)	3492.6	41.0			
FH	(60°-80°)	1709.3	20.1			G1/1800
FVH	(80°-90°)	69.3	0.8			G1/100
BL	(0°-30°)	493.2	5.8	B1/500		
BM	(30°-60°)	1283.8	15.1	B2/2500		
BH	(60°-80°)	862.7	10.1	B2/1000		G2/1000
BVH	(80°-90°)	49.6	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	939.1	939.1	939.1	939.1	939.1	939.1	939.1	939.1	939.1	939.1	939.1
2.5°	932.9	930.2	932.5	932.5	933.3	932.9	936.0	936.9	938.2	940.9	940.9
5°	923.6	923.2	927.1	930.7	934.2	937.3	941.3	947.0	947.9	951.0	955.0
7.5°	920.5	917.9	924.1	928.5	936.9	944.4	955.0	964.7	968.7	970.0	977.6
10°	944.4	940.0	945.7	948.4	955.4	963.0	975.3	990.8	995.2	1000.5	1008.9
12.5°	985.1	980.2	988.6	992.6	999.2	1005.8	1014.2	1029.3	1031.5	1041.2	1049.2
15°	1040.8	1035.0	1040.3	1045.2	1056.3	1062.4	1070.8	1085.4	1085.4	1092.9	1098.7
17.5°	1116.4	1108.9	1112.8	1114.6	1121.7	1131.0	1145.1	1157.9	1164.6	1161.9	1154.0
20°	1229.1	1219.8	1219.8	1211.0	1208.3	1215.9	1234.4	1252.1	1259.2	1245.5	1226.0
22.5°	1398.5	1385.2	1377.7	1347.6	1335.7	1336.6	1355.1	1376.8	1382.5	1358.2	1314.5
25°	1613.8	1593.0	1582.8	1538.6	1511.6	1488.2	1502.8	1530.7	1538.6	1508.6	1437.8
27.5°	1829.1	1830.4	1820.7	1767.6	1723.0	1680.1	1672.6	1701.8	1710.2	1676.1	1588.6
30°	2131.1	2099.7	2081.1	2017.4	1953.8	1893.6	1862.7	1874.6	1876.8	1836.2	1734.5
32.5°	2391.5	2383.5	2343.7	2288.0	2206.2	2112.1	2060.3	2041.3	2037.8	1979.9	1859.2
35°	2688.2	2683.7	2641.7	2575.4	2487.0	2356.1	2262.8	2208.4	2204.0	2122.7	1982.5
37.5°	2989.7	2989.7	2948.6	2876.1	2784.5	2621.0	2479.0	2392.8	2378.7	2272.6	2108.1
40°	3230.2	3215.6	3223.1	3192.6	3087.8	2914.1	2719.1	2594.0	2575.0	2447.6	2241.6
42.5°	3366.8	3362.0	3407.1	3441.1	3398.2	3259.4	2983.5	2812.0	2785.4	2640.4	2395.5
45°	3397.3	3392.0	3472.5	3597.2	3657.3	3600.3	3270.9	3041.4	3009.1	2842.0	2560.4
47.5°	3327.0	3316.4	3434.5	3631.2	3824.0	3924.4	3582.1	3290.3	3243.5	3038.3	2729.7
50°	3115.7	3105.5	3284.2	3545.5	3880.1	4144.5	3919.9	3554.3	3482.7	3248.8	2900.8
52.5°	2656.3	2661.2	2941.1	3300.1	3806.3	4281.6	4210.9	3832.4	3746.2	3464.1	3061.3
55°	2069.2	2079.8	2423.8	2819.0	3511.0	4260.8	4409.4	4118.9	4033.1	3666.6	3227.1
57.5°	1481.6	1528.4	1850.8	2242.0	2943.7	3931.4	4452.7	4391.3	4308.1	3887.7	3389.4
60°	960.3	968.7	1300.3	1694.7	2241.6	3346.1	4364.7	4597.7	4532.7	4113.1	3525.1
62.5°	615.4	621.2	823.2	1185.4	1613.3	2475.5	4068.5	4687.5	4667.6	4262.1	3655.5
65°	452.3	447.9	553.1	783.5	1086.8	1526.7	3493.3	4644.1	4683.5	4355.4	3763.4
67.5°	377.6	371.4	423.1	542.5	800.7	867.0	2584.7	4362.5	4506.6	4344.8	3842.6
70°	344.0	338.7	370.1	402.8	624.7	580.5	1303.0	3792.6	4014.6	4224.1	3829.7
72.5°	291.4	282.1	325.0	357.7	485.9	445.2	538.5	2913.2	3183.8	3837.3	3649.4
75°	225.9	219.7	256.4	314.8	365.2	347.5	340.4	1769.0	2064.3	2967.6	3192.6
77.5°	179.1	170.7	204.3	245.4	328.5	262.2	248.0	761.8	1054.5	1894.5	2388.8
80°	134.9	127.3	155.2	194.1	252.5	197.6	160.5	310.8	397.5	959.9	1201.3
82.5°	95.9	89.3	108.3	142.4	169.8	177.3	98.6	174.2	195.9	370.1	268.4
85°	61.5	57.5	72.5	89.3	107.9	114.1	60.1	91.1	99.9	152.5	111.9
87.5°	33.6	27.4	38.9	41.6	50.0	45.5	28.7	33.2	35.8	55.3	47.3
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°	939.1	939.1	939.1	939.1	939.1	939.1	939.1	939.1	939.1	939.1	939.1
2.5°	942.6	944.0	948.4	949.7	952.8	956.8	959.4	962.1	962.1	964.7	964.7
5°	955.4	958.5	967.8	972.7	980.6	988.6	993.5	999.2	1002.8	1004.5	1005.4
7.5°	980.2	985.1	998.3	1006.7	1020.4	1031.5	1039.0	1047.0	1048.7	1053.6	1051.8
10°	1013.8	1019.6	1034.6	1050.5	1066.9	1080.6	1087.6	1093.4	1095.6	1096.5	1094.3
12.5°	1052.3	1060.7	1080.1	1099.6	1116.8	1128.8	1130.5	1129.2	1123.0	1117.7	1117.7
15°	1099.6	1107.1	1128.8	1150.0	1166.8	1169.0	1157.9	1150.9	1143.4	1142.0	1142.0
17.5°	1156.2	1160.2	1180.0	1200.8	1202.2	1194.6	1178.3	1171.6	1164.6	1159.7	1160.2
20°	1222.1	1220.7	1234.9	1243.7	1234.4	1211.4	1186.7	1175.6	1168.6	1162.8	1163.2
22.5°	1300.8	1290.6	1288.8	1286.6	1261.8	1213.7	1180.0	1165.9	1154.8	1146.9	1149.5
25°	1415.3	1376.4	1349.4	1334.4	1278.6	1201.7	1158.8	1127.4	1106.7	1092.9	1098.3
27.5°	1558.5	1493.1	1425.0	1388.3	1278.6	1177.4	1107.5	1056.7	1022.7	1008.5	1015.6
30°	1695.1	1626.6	1526.2	1453.3	1275.5	1137.6	1024.9	954.1	914.3	900.2	908.6
32.5°	1811.9	1737.1	1633.7	1524.5	1268.0	1073.1	922.3	844.0	805.6	788.8	797.2
35°	1920.2	1840.6	1741.6	1602.7	1248.1	978.4	809.5	749.9	707.0	680.0	688.8
37.5°	2031.2	1936.5	1843.7	1673.5	1212.3	867.9	722.9	672.0	621.6	585.4	595.1
40°	2151.9	2038.7	1952.9	1715.5	1153.5	762.7	655.7	609.3	555.8	517.3	524.8
42.5°	2292.9	2161.1	2074.5	1737.1	1073.1	688.0	611.9	566.4	516.0	484.6	490.8
45°	2440.1	2296.0	2185.5	1736.7	983.3	653.0	597.8	552.7	497.0	464.2	469.5
47.5°	2594.4	2437.0	2281.4	1708.4	905.5	657.9	589.8	523.0	461.6	429.8	434.2
50°	2749.2	2591.3	2374.2	1655.3	872.3	647.3	560.2	481.5	409.0	380.2	382.0
52.5°	2902.6	2755.4	2454.3	1579.7	838.7	607.9	522.2	427.5	387.3	367.4	367.4
55°	3056.9	2917.6	2541.4	1469.6	754.7	561.9	458.5	407.2	370.1	351.9	350.2
57.5°	3211.6	3105.1	2624.1	1359.6	649.0	505.4	423.6	382.4	352.8	337.3	334.7
60°	3372.6	3319.5	2709.4	1258.3	544.7	432.8	397.9	362.5	332.5	315.2	313.9
62.5°	3538.4	3555.6	2776.1	1127.9	448.8	388.6	374.9	338.7	309.5	293.1	292.7
65°	3705.5	3783.3	2819.9	947.0	363.9	346.6	350.2	312.6	283.0	268.8	268.4
67.5°	3831.5	3947.4	2807.5	716.7	298.4	306.8	319.2	285.2	257.3	246.3	246.7
70°	3845.7	3927.9	2685.5	490.8	249.8	267.9	284.7	258.2	229.5	221.5	222.0
72.5°	3657.3	3662.6	2345.5	320.5	211.3	235.2	248.5	230.8	202.9	195.0	194.5
75°	3163.5	3029.0	1722.1	211.3	176.9	202.1	214.4	202.1	175.1	176.9	170.7
77.5°	2396.8	2145.2	1045.6	150.3	147.7	169.8	186.6	177.7	154.7	173.8	153.0
80°	1234.9	1160.6	466.4	112.3	116.7	135.7	153.4	141.9	122.5	116.7	106.6
82.5°	283.0	328.9	183.9	80.5	84.4	97.7	117.2	106.6	88.0	74.3	73.4
85°	99.0	108.3	81.4	50.4	49.5	61.0	79.6	71.2	59.7	47.8	50.4
87.5°	31.4	41.1	30.5	20.3	21.2	27.4	36.7	33.6	27.9	18.1	19.0
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)