

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: P948061

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948061
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
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
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14328 lumens
Efficiency: N/A
Efficacy: 131.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

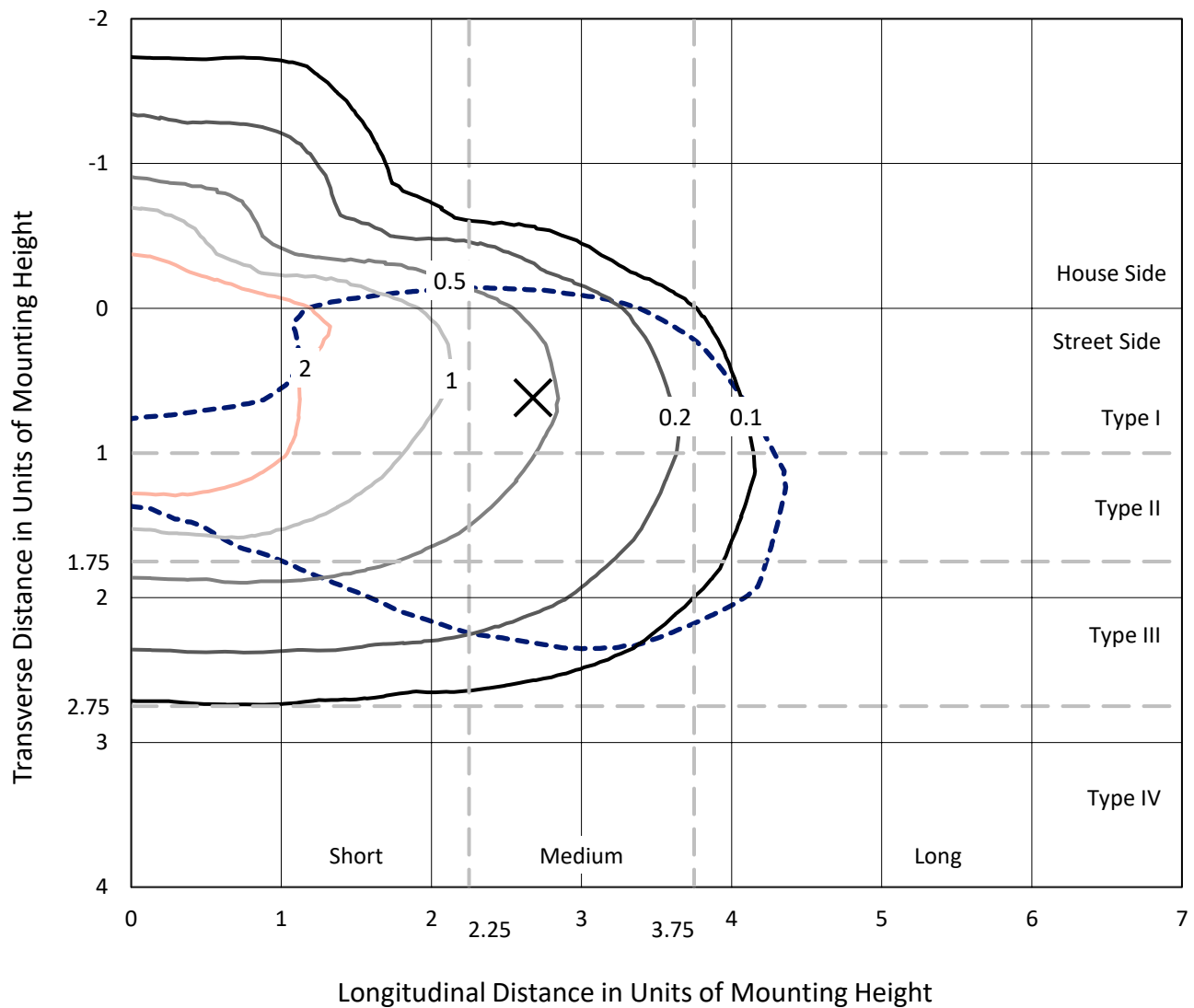
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

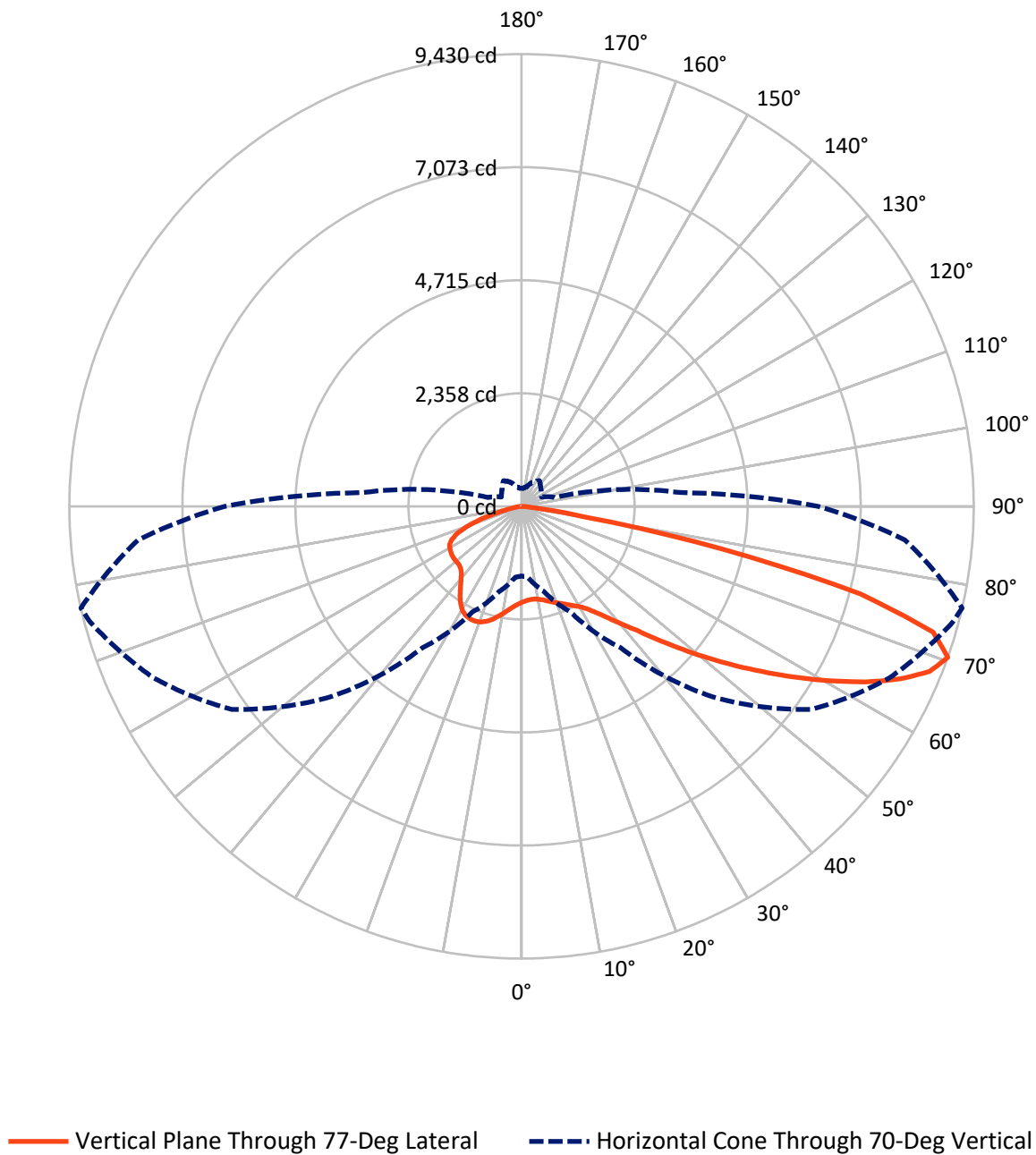


Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3137.6	0.0	3137.6
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	11190.4	0.0	11190.4
	% Fixture	78.1	0.0	78.1
Total	Lumens	14328.0	0.0	14328.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.6	1.3
10°-20°	550.2	3.8
20°-30°	940.9	6.6
30°-40°	1513.1	10.6
40°-50°	2362.4	16.5
50°-60°	3155.5	22.0
60°-70°	3363.3	23.5
70°-80°	2070.5	14.5
80°-90°	181.4	1.3
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°	14328.0	100.0
0°-180°	14328.0	100.0

Coefficient of Utilization



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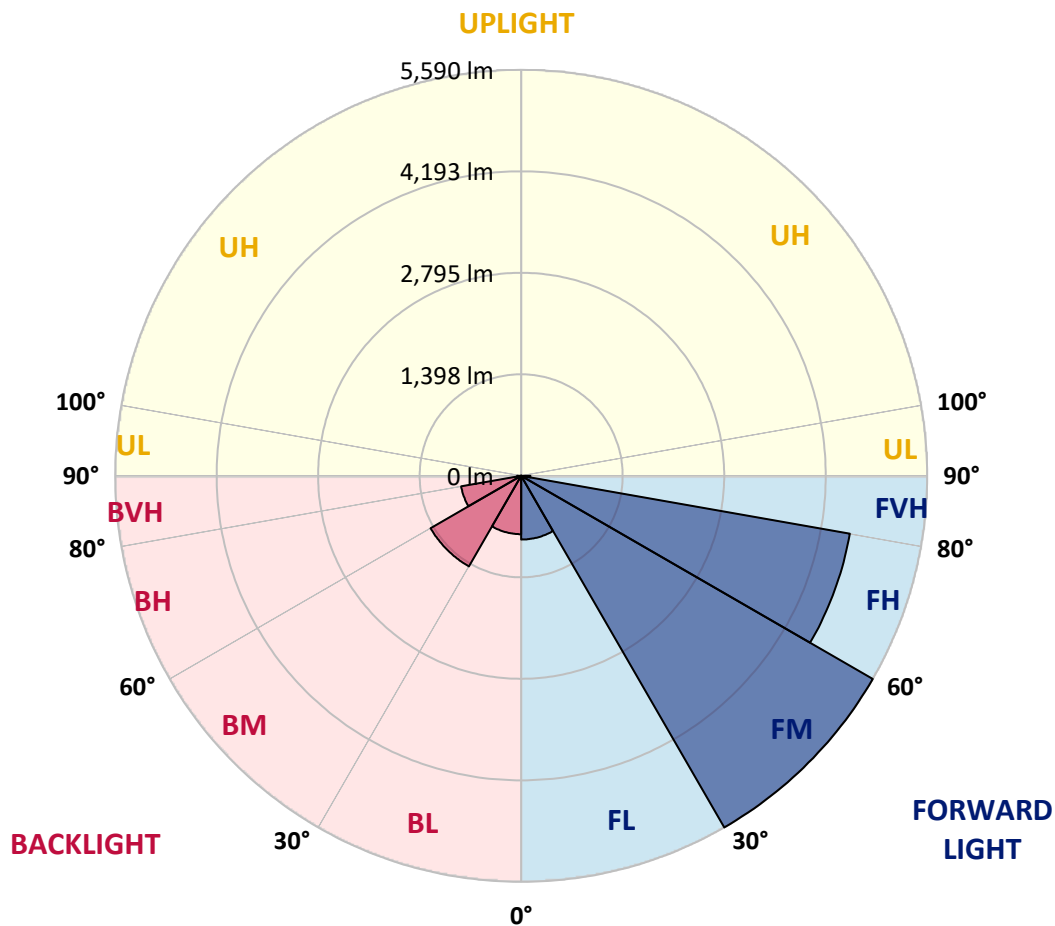
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	877.8	6.1			
FM	(30°-60°)	5590.5	39.0			
FH	(60°-80°)	4595.2	32.1			G2/5000
FVH	(80°-90°)	126.9	0.9			G2/225
BL	(0°-30°)	804.0	5.6	B2/1000		
BM	(30°-60°)	1440.5	10.1	B2/2500		
BH	(60°-80°)	838.5	5.9	B2/1000		G2/1000
BVH	(80°-90°)	54.6	0.4			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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1998.9	1998.9	1998.9	1998.9	1998.9	1998.9	1998.9	1998.9	1998.9	1998.9	1998.9
2.5°	1842.6	1841.9	1851.4	1854.3	1871.9	1884.4	1907.9	1932.8	1965.1	1968.8	1988.6
5°	1736.2	1736.2	1747.2	1758.9	1781.7	1806.6	1842.6	1885.9	1941.6	1950.5	1999.6
7.5°	1645.9	1651.8	1661.3	1684.1	1710.5	1746.5	1801.5	1863.1	1936.5	1950.5	2029.7
10°	1573.3	1579.9	1591.6	1610.0	1649.6	1699.5	1771.4	1850.7	1949.0	1971.0	2073.7
12.5°	1550.5	1557.1	1563.7	1577.7	1614.4	1673.1	1758.9	1856.5	1979.1	2001.1	2133.9
15°	1603.4	1611.4	1606.3	1602.6	1621.7	1675.3	1764.8	1877.8	2016.5	2048.1	2208.0
17.5°	1725.2	1728.1	1716.4	1681.9	1678.9	1707.6	1792.7	1907.2	2063.5	2098.0	2282.9
20°	1921.8	1916.7	1892.5	1824.2	1785.3	1779.5	1840.4	1951.2	2111.9	2148.6	2363.6
22.5°	2188.9	2183.1	2134.6	2026.8	1940.2	1882.9	1909.4	2008.4	2166.2	2207.3	2442.1
25°	2522.1	2514.0	2442.8	2296.1	2161.8	2020.2	2003.3	2084.0	2233.0	2271.1	2524.3
27.5°	2911.0	2904.4	2827.4	2633.6	2439.9	2208.0	2120.0	2172.8	2302.7	2346.0	2616.8
30°	3329.3	3348.4	3211.9	3003.5	2758.4	2453.1	2277.0	2282.1	2392.9	2431.8	2729.0
32.5°	3820.9	3853.9	3689.6	3425.4	3090.8	2719.5	2475.1	2434.8	2524.3	2556.6	2870.6
35°	4308.2	4345.6	4209.1	3917.1	3531.8	3033.6	2682.1	2610.1	2698.9	2734.2	3058.5
37.5°	4729.4	4779.3	4708.8	4454.9	4003.6	3412.2	2952.1	2816.3	2913.9	2958.0	3310.9
40°	5061.8	5138.1	5133.0	4974.5	4559.9	3871.6	3294.8	3071.0	3181.0	3228.7	3616.9
42.5°	5331.8	5397.9	5455.1	5447.0	5140.3	4393.3	3697.6	3401.9	3485.6	3540.6	3961.1
45°	5518.2	5588.7	5711.9	5844.8	5698.7	4951.7	4159.2	3794.5	3870.8	3953.7	4371.3
47.5°	5684.8	5764.8	5924.7	6135.3	6172.8	5512.3	4664.8	4251.7	4321.4	4407.2	4782.9
50°	5699.5	5768.4	6016.5	6315.1	6509.6	6051.0	5207.8	4764.6	4829.9	4921.6	5224.0
52.5°	5345.0	5453.6	5886.6	6310.0	6664.4	6501.5	5747.2	5298.1	5371.5	5481.5	5680.4
55°	4148.9	4308.2	5505.7	6113.3	6609.4	6792.8	6260.1	5865.3	5959.2	6074.4	6139.8
57.5°	3573.6	3643.3	4370.5	5755.2	6358.4	6868.4	6693.0	6438.4	6589.6	6715.8	6625.5
60°	3211.9	3269.8	3699.8	5198.3	6028.2	6748.8	7027.7	6972.6	7233.9	7384.3	7122.3
62.5°	2824.4	2879.5	3270.6	4340.5	5605.5	6549.9	7239.0	7465.7	7894.3	8058.7	7590.5
65°	2439.9	2486.9	2861.8	3647.0	5068.4	6351.1	7348.3	7892.1	8505.5	8675.8	7979.4
67.5°	2011.4	2050.3	2404.7	3076.8	4415.3	6078.8	7402.6	8227.4	9037.6	9183.6	8171.7
70°	1451.5	1481.6	1847.7	2433.3	3595.6	5610.7	7380.6	8465.2	9313.5	9430.1	8026.4
72.5°	686.1	713.3	1143.3	1579.9	2539.7	4699.3	6935.2	8276.6	9033.1	8975.2	7137.0
75°	366.2	389.7	656.8	866.6	1341.4	3221.4	5675.3	7129.7	7585.3	7303.6	5274.6
77.5°	248.0	266.4	406.5	520.3	612.7	1529.3	3647.7	4936.3	4749.2	4284.0	2641.7
80°	196.7	215.7	333.1	352.2	296.5	552.6	1507.2	2285.1	1641.5	1312.8	751.4
82.5°	151.2	172.4	280.3	255.4	161.4	226.7	438.8	722.8	420.5	319.9	182.0
85°	92.5	115.2	220.1	162.9	91.0	103.5	149.0	201.1	128.4	107.1	65.3
87.5°	47.0	66.0	111.5	59.4	41.1	24.2	39.6	39.6	33.8	29.4	16.9
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°	1998.9	1998.9	1998.9	1998.9	1998.9	1998.9	1998.9	1998.9	1998.9	1998.9	1998.9
2.5°	2006.2	2020.9	2045.9	2069.3	2087.7	2105.3	2122.9	2132.4	2135.4	2147.1	2153.7
5°	2029.7	2056.9	2105.3	2150.8	2179.4	2197.0	2209.5	2216.8	2218.3	2222.0	2227.8
7.5°	2073.0	2116.3	2183.8	2229.3	2250.6	2249.1	2244.0	2225.6	2218.3	2211.7	2213.2
10°	2133.9	2191.1	2274.1	2305.6	2292.4	2257.2	2211.7	2158.1	2133.2	2109.0	2101.6
12.5°	2209.5	2282.1	2363.6	2362.1	2296.8	2206.6	2100.9	2018.7	1966.6	1929.2	1920.4
15°	2301.2	2384.9	2447.2	2397.3	2254.3	2092.1	1937.2	1830.1	1783.1	1742.1	1737.7
17.5°	2395.9	2485.4	2514.0	2386.3	2147.1	1922.6	1747.2	1662.8	1616.6	1594.6	1601.2
20°	2488.3	2577.1	2553.6	2323.2	1984.2	1730.3	1574.0	1527.8	1518.2	1523.4	1521.2
22.5°	2585.9	2665.2	2561.7	2201.4	1776.5	1533.7	1447.8	1449.3	1470.5	1486.0	1489.6
25°	2685.7	2739.3	2540.4	2025.3	1553.5	1389.1	1367.8	1391.3	1433.1	1463.2	1471.3
27.5°	2781.9	2805.3	2494.2	1807.4	1361.9	1285.6	1289.3	1337.7	1400.8	1442.7	1452.9
30°	2890.5	2864.0	2405.4	1562.3	1229.1	1196.8	1227.7	1284.2	1347.3	1384.7	1393.5
32.5°	3013.0	2914.7	2264.5	1335.5	1135.2	1125.7	1176.3	1213.0	1240.9	1251.9	1257.7
35°	3165.6	2985.9	2084.0	1176.3	1050.8	1073.6	1122.0	1103.6	1092.6	1086.8	1092.6
37.5°	3363.8	3082.0	1872.7	1072.8	982.6	1036.1	1055.9	998.7	955.4	934.1	939.3
40°	3602.3	3222.9	1669.4	992.8	939.3	1003.8	969.4	900.4	845.3	815.3	817.5
42.5°	3867.2	3370.4	1498.4	932.7	915.1	977.4	905.5	823.3	734.5	725.0	734.5
45°	4145.3	3522.3	1381.8	886.4	903.3	954.7	868.8	736.0	672.9	711.8	732.3
47.5°	4423.4	3661.7	1311.3	851.9	897.4	929.0	836.5	687.6	642.8	699.3	725.7
50°	4733.0	3786.4	1279.8	827.0	890.8	918.7	788.1	675.1	611.3	648.7	676.6
52.5°	5040.5	3883.3	1256.3	802.0	881.3	910.7	764.6	660.4	573.1	575.3	590.7
55°	5347.2	3946.4	1230.6	769.0	860.0	893.0	762.4	644.3	544.5	534.2	541.5
57.5°	5674.5	3982.4	1199.0	732.3	823.3	848.3	760.2	631.8	535.7	518.8	521.0
60°	6007.7	4035.2	1157.9	687.6	774.2	794.7	755.1	627.4	530.5	501.9	504.1
62.5°	6306.3	4053.5	1108.8	645.0	711.1	741.9	744.1	623.7	516.6	467.4	467.4
65°	6502.3	3974.3	1022.9	596.6	642.8	687.6	722.8	611.3	491.6	442.5	442.5
67.5°	6494.2	3748.3	888.6	534.2	576.8	627.4	692.0	590.0	461.6	411.7	413.9
70°	6191.9	3302.1	718.4	461.6	504.1	562.8	652.4	558.4	425.6	377.9	382.3
72.5°	5310.6	2584.5	521.7	376.4	419.7	496.1	601.0	520.3	388.9	347.8	345.6
75°	3793.8	1635.7	353.7	289.1	326.5	420.5	537.1	475.5	355.2	349.3	329.5
77.5°	1938.0	781.5	234.1	211.3	227.5	331.7	451.3	424.9	360.3	288.4	256.8
80°	630.3	288.4	147.5	143.8	151.2	220.9	349.3	348.6	273.0	195.9	173.2
82.5°	201.1	124.0	96.1	92.5	88.8	138.7	243.6	275.9	184.2	124.0	123.3
85°	80.0	74.1	56.5	52.1	37.4	65.3	127.7	183.5	137.2	89.5	91.7
87.5°	29.4	29.4	15.4	11.0	8.1	22.0	34.5	55.0	78.5	46.2	45.5
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)