

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: P939227

Luminaire Tested: **GALN-SB1D-722-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
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-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8415 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - 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

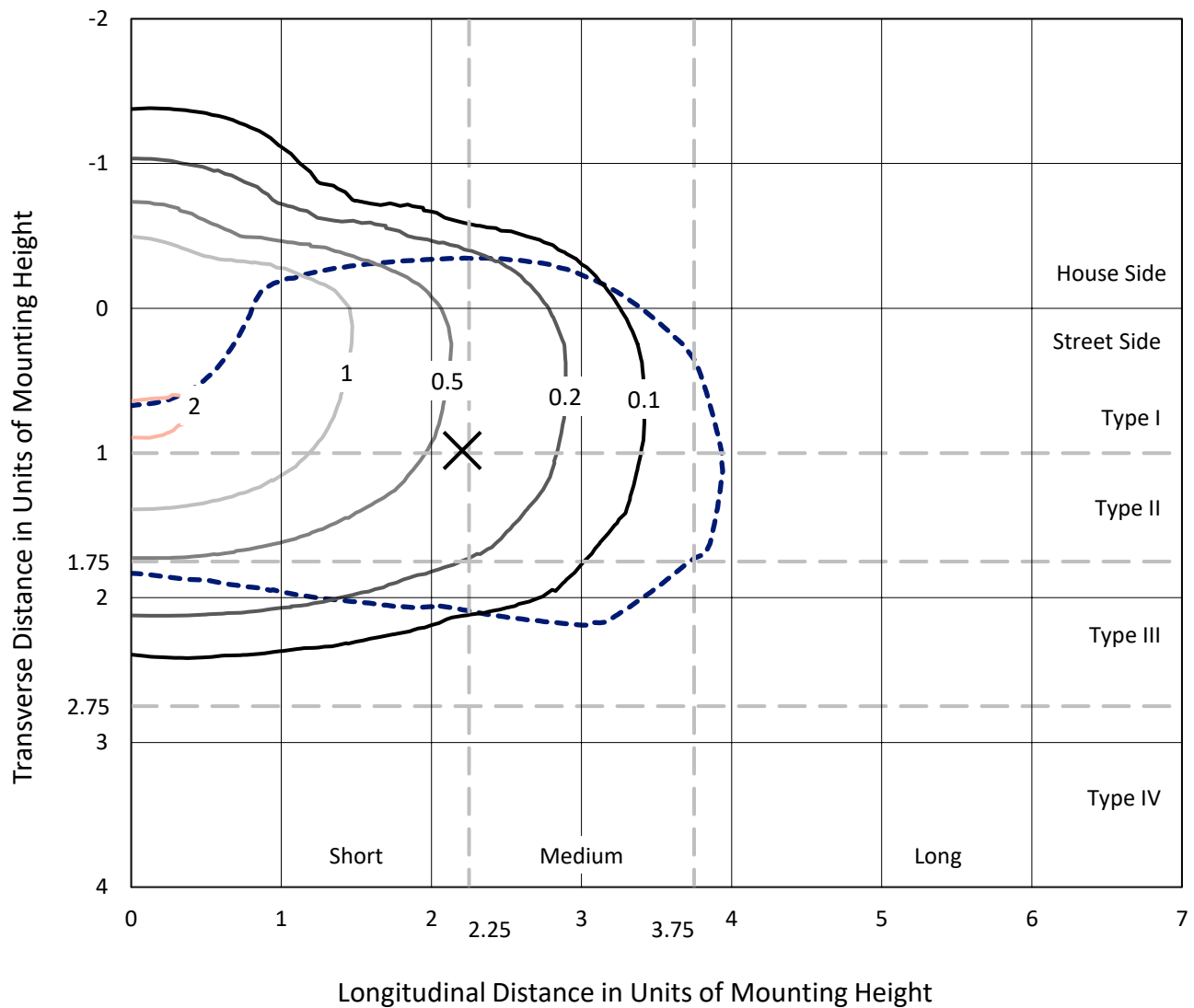


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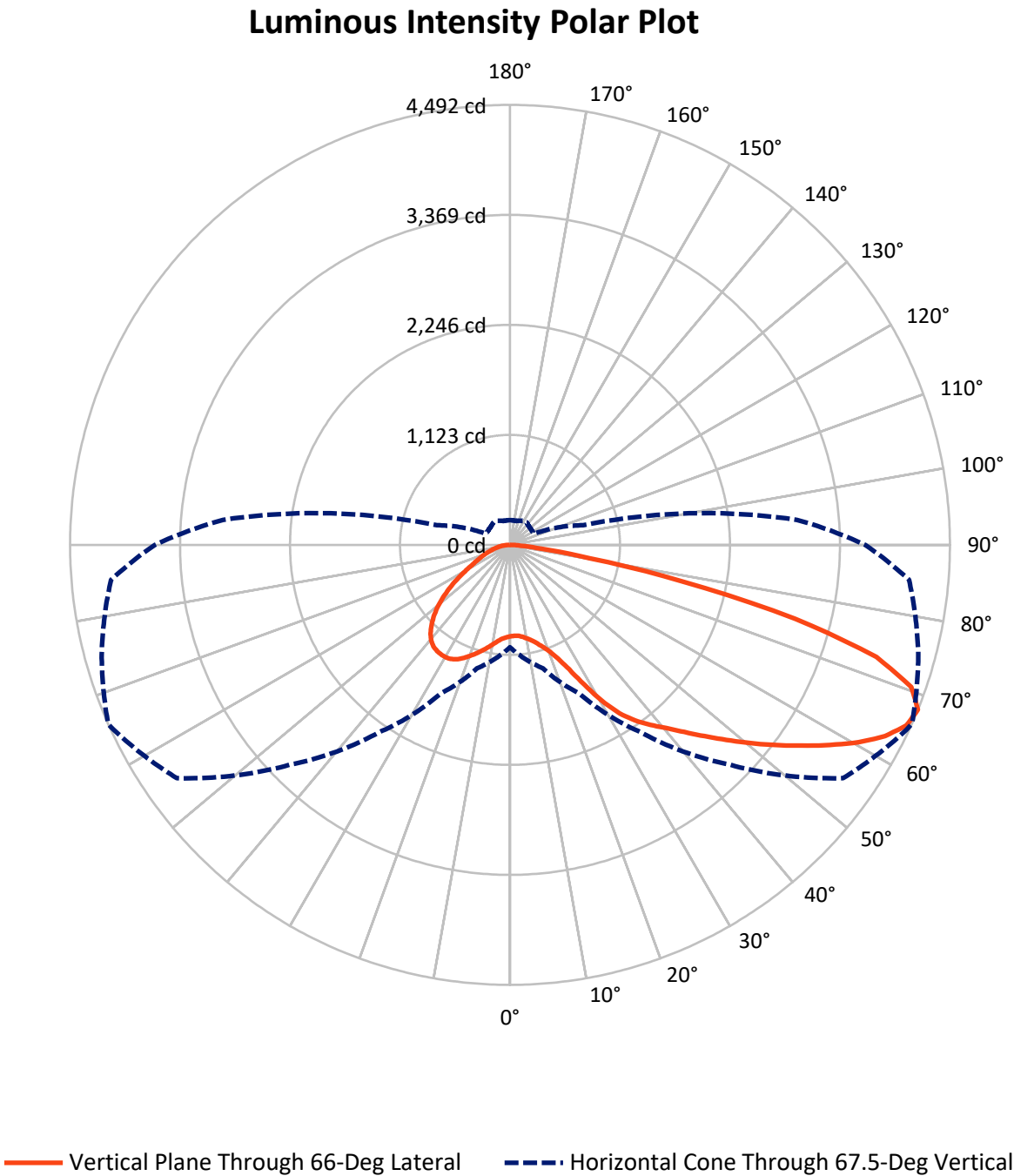
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2092.4	0.0	2092.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	6322.6	0.0	6322.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	8415.0	0.0	8415.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.5	1.1
10°-20°	305.7	3.6
20°-30°	589.3	7.0
30°-40°	1033.2	12.3
40°-50°	1536.1	18.3
50°-60°	1947.1	23.1
60°-70°	1905.2	22.6
70°-80°	908.8	10.8
80°-90°	97.1	1.2
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°	8415.0	100.0
0°-180°	8415.0	100.0

Coefficient of Utilization



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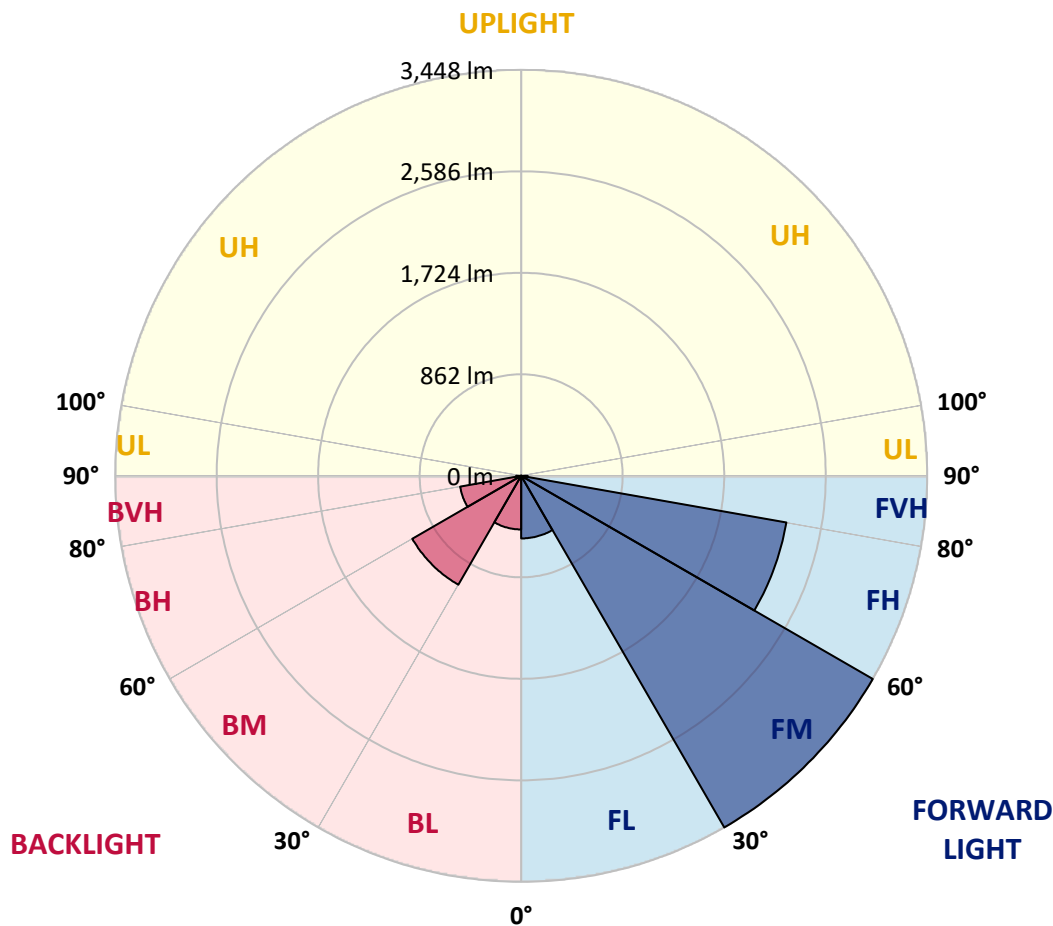
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	531.7	6.3			
FM	(30°-60°)	3448.4	41.0			
FH	(60°-80°)	2287.4	27.2			G2/5000
FVH	(80°-90°)	55.1	0.7			G1/100
BL	(0°-30°)	455.8	5.4	B1/500		
BM	(30°-60°)	1068.0	12.7	B2/2500		
BH	(60°-80°)	526.5	6.3	B2/1000		G2/1000
BVH	(80°-90°)	42.1	0.5			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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	933.3	933.3	933.3	933.3	933.3	933.3	933.3	933.3	933.3	933.3	933.3
2.5°	923.6	928.9	927.6	925.4	924.9	925.8	927.1	928.5	928.0	930.2	933.8
5°	921.0	926.3	925.8	925.8	927.6	931.1	933.3	935.5	933.3	936.0	940.9
7.5°	922.7	926.7	928.5	930.2	934.7	941.3	946.6	951.5	948.8	951.9	958.1
10°	945.3	948.4	950.1	950.1	953.2	960.7	966.1	974.9	972.7	977.5	985.5
12.5°	986.4	989.5	989.5	987.7	989.9	994.8	996.6	1006.3	1002.3	1010.3	1018.2
15°	1036.8	1043.0	1038.1	1035.0	1035.9	1040.8	1040.3	1047.8	1043.9	1050.5	1057.6
17.5°	1092.5	1100.5	1092.5	1092.1	1090.3	1095.6	1096.0	1102.7	1095.6	1100.5	1105.3
20°	1158.4	1169.4	1162.8	1165.0	1161.0	1163.2	1165.5	1175.2	1164.1	1167.7	1166.3
22.5°	1251.2	1264.5	1257.4	1265.8	1263.2	1261.4	1261.0	1278.2	1261.0	1262.3	1249.5
25°	1386.5	1402.4	1390.1	1401.5	1401.5	1407.3	1413.9	1436.0	1407.3	1398.9	1365.7
27.5°	1586.4	1602.3	1578.0	1585.0	1582.8	1597.0	1589.9	1644.7	1613.8	1600.1	1533.3
30°	1826.9	1855.2	1809.2	1807.4	1805.2	1827.8	1837.9	1874.2	1842.8	1829.1	1748.6
32.5°	2086.8	2116.5	2061.6	2045.7	2037.3	2051.0	2042.6	2071.8	2050.2	2028.9	1929.5
35°	2361.9	2391.0	2338.9	2307.9	2274.3	2245.6	2215.5	2223.0	2202.7	2170.4	2067.4
37.5°	2621.8	2675.3	2620.1	2586.9	2525.0	2468.8	2384.8	2349.9	2330.9	2301.3	2197.4
40°	2886.7	2917.2	2875.2	2846.9	2779.7	2691.7	2557.3	2483.4	2457.8	2429.1	2341.1
42.5°	3081.6	3110.8	3088.3	3068.8	3016.2	2914.1	2740.3	2647.9	2610.8	2578.5	2503.8
45°	3236.4	3258.0	3243.9	3251.0	3228.4	3129.4	2930.0	2824.3	2785.9	2746.5	2687.7
47.5°	3298.7	3321.7	3344.3	3386.3	3424.7	3351.8	3133.8	3015.3	2974.6	2934.4	2876.5
50°	3291.7	3315.1	3380.5	3469.8	3589.2	3564.9	3348.7	3218.7	3181.1	3135.1	3081.6
52.5°	3235.1	3261.6	3345.6	3494.1	3684.3	3724.5	3567.5	3428.7	3393.3	3338.5	3285.0
55°	3086.5	3102.4	3228.4	3438.9	3706.8	3835.9	3782.0	3652.4	3617.1	3540.6	3482.2
57.5°	2811.1	2834.0	3017.5	3289.9	3650.2	3911.5	3970.3	3887.6	3853.6	3743.5	3682.5
60°	2451.6	2488.3	2698.3	3039.6	3506.1	3911.1	4141.4	4118.9	4090.6	3943.4	3879.7
62.5°	2044.8	2087.3	2289.3	2685.9	3254.1	3800.1	4248.4	4312.5	4297.9	4127.7	4046.4
65°	1570.4	1599.6	1800.8	2228.3	2861.9	3561.8	4260.8	4444.7	4447.4	4267.9	4133.5
67.5°	1045.6	1129.6	1304.3	1672.1	2336.7	3172.3	4152.0	4466.4	4492.0	4316.1	4089.7
70°	510.2	620.7	791.9	1086.8	1672.1	2575.0	3867.7	4288.7	4345.7	4175.5	3828.8
72.5°	211.8	247.6	340.9	536.3	959.9	1737.6	3296.5	3806.7	3912.4	3699.7	3219.1
75°	142.8	154.7	195.0	275.0	437.3	856.8	2377.3	2838.5	3008.7	2794.3	2284.0
77.5°	110.1	117.6	141.9	192.3	260.0	324.1	1272.4	1710.6	1798.6	1665.1	1188.4
80°	86.7	92.4	106.1	140.2	184.4	173.3	433.7	775.1	825.9	692.8	382.0
82.5°	75.2	77.4	76.0	95.1	122.5	101.2	142.4	286.1	315.7	229.0	124.7
85°	54.4	60.6	63.2	58.8	65.0	51.3	58.4	101.2	111.4	99.5	70.3
87.5°	22.1	32.7	40.2	38.0	23.9	14.6	18.1	29.6	34.0	37.1	23.0
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°	933.3	933.3	933.3	933.3	933.3	933.3	933.3	933.3	933.3	933.3	933.3
2.5°	934.2	937.3	939.5	942.2	943.9	946.6	951.9	955.0	955.4	957.7	957.2
5°	942.6	947.0	951.9	959.0	966.9	973.6	983.7	990.8	993.5	995.7	995.2
7.5°	960.7	966.9	975.8	988.2	999.7	1008.5	1020.9	1029.3	1037.7	1040.8	1041.2
10°	987.7	996.6	1009.4	1026.2	1038.6	1050.1	1062.9	1070.0	1078.4	1081.9	1083.7
12.5°	1021.3	1030.6	1047.4	1070.8	1082.3	1090.3	1094.7	1092.9	1094.7	1097.8	1098.7
15°	1059.8	1070.0	1089.0	1114.2	1122.1	1115.0	1105.3	1096.5	1095.2	1096.0	1099.1
17.5°	1105.3	1112.8	1134.9	1156.2	1150.4	1121.2	1100.0	1085.9	1078.8	1076.6	1079.7
20°	1169.0	1169.0	1187.1	1200.4	1161.9	1112.4	1079.2	1056.2	1041.7	1035.5	1034.1
22.5°	1246.4	1239.3	1250.8	1241.5	1159.7	1087.6	1041.7	1001.9	979.8	970.9	969.6
25°	1344.5	1336.1	1333.0	1275.5	1143.8	1048.3	973.6	925.4	905.9	901.1	901.9
27.5°	1492.6	1471.4	1431.2	1294.1	1114.6	986.4	894.0	849.3	838.3	838.7	840.0
30°	1689.8	1647.4	1548.8	1297.2	1066.9	898.8	812.6	780.8	775.5	777.7	785.2
32.5°	1872.4	1832.2	1669.0	1283.1	993.5	813.1	739.7	718.5	710.5	713.2	716.7
35°	2015.7	2004.6	1780.5	1263.2	903.3	732.6	674.2	656.1	640.6	637.1	639.8
37.5°	2151.0	2146.5	1864.0	1235.3	814.0	675.6	621.6	597.8	575.2	562.8	563.3
40°	2299.5	2295.1	1918.8	1192.4	734.8	626.1	574.3	542.9	515.1	492.5	494.7
42.5°	2466.6	2440.6	1944.9	1131.0	667.6	584.1	535.9	493.4	456.7	435.9	437.3
45°	2649.2	2590.4	1944.5	1052.7	611.0	545.6	494.7	434.6	400.6	381.1	380.2
47.5°	2842.9	2733.7	1920.6	966.1	556.2	503.1	431.1	385.1	362.5	350.6	348.0
50°	3042.7	2867.6	1879.9	866.6	500.0	455.0	391.3	359.9	342.7	331.6	327.6
52.5°	3230.6	2989.2	1830.9	753.8	443.0	408.1	373.6	349.3	331.2	318.8	313.5
55°	3405.3	3094.0	1761.4	638.4	396.6	376.7	365.2	344.9	324.1	309.5	303.7
57.5°	3560.5	3162.1	1641.6	530.1	363.4	355.0	356.4	337.3	313.5	301.1	293.1
60°	3689.6	3212.1	1464.3	429.7	336.5	333.8	342.7	323.2	295.3	281.2	275.0
62.5°	3766.9	3211.2	1246.8	351.9	313.5	314.4	324.5	305.5	277.2	264.0	260.0
65°	3760.3	3132.5	1008.1	301.1	291.4	292.2	305.5	286.1	262.2	254.2	253.8
67.5°	3627.2	2940.6	773.3	267.9	267.0	271.0	286.5	272.8	252.9	252.0	253.3
70°	3266.9	2542.2	557.1	241.4	241.8	247.6	267.9	264.4	248.0	249.8	249.4
72.5°	2619.6	1938.3	374.0	213.5	214.0	223.3	250.2	257.8	243.2	266.6	270.1
75°	1744.6	1208.8	240.5	183.9	184.4	196.3	234.8	244.9	229.9	265.7	267.9
77.5°	838.3	543.4	174.2	154.7	154.7	165.8	202.9	219.3	195.9	206.5	189.2
80°	289.6	204.3	137.1	124.7	122.0	129.5	171.1	190.1	168.9	155.6	145.9
82.5°	114.1	106.1	110.1	96.8	88.0	92.8	133.1	157.0	124.2	112.3	111.9
85°	65.4	69.0	77.8	64.1	50.8	57.0	97.7	112.7	93.7	82.7	84.4
87.5°	17.7	24.3	35.8	33.2	23.0	24.3	46.4	62.3	53.9	41.6	42.9
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)