

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: P940425

Luminaire Tested: **GALN-SB3C-727-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940425
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-727-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20651 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 149.1
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

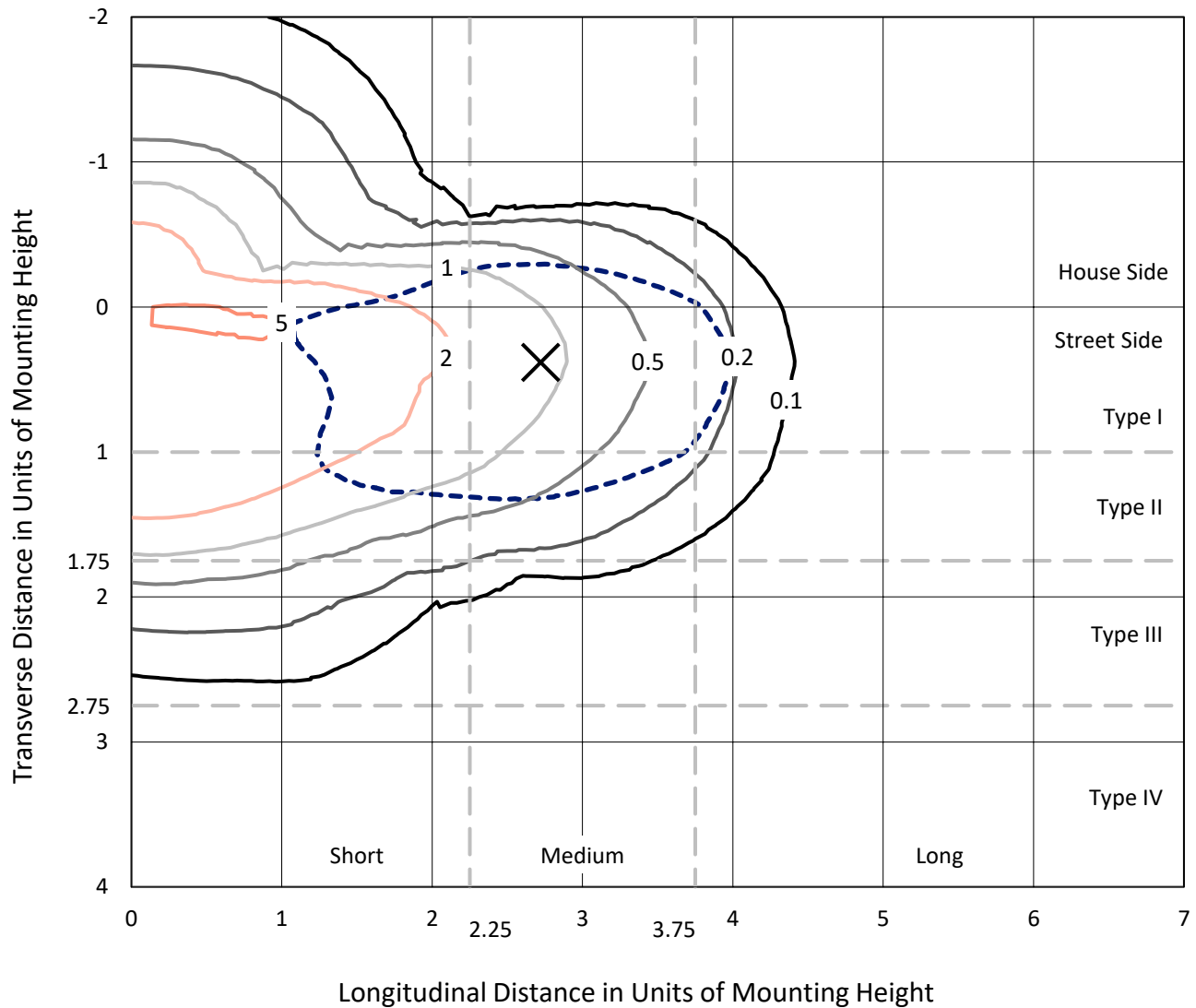


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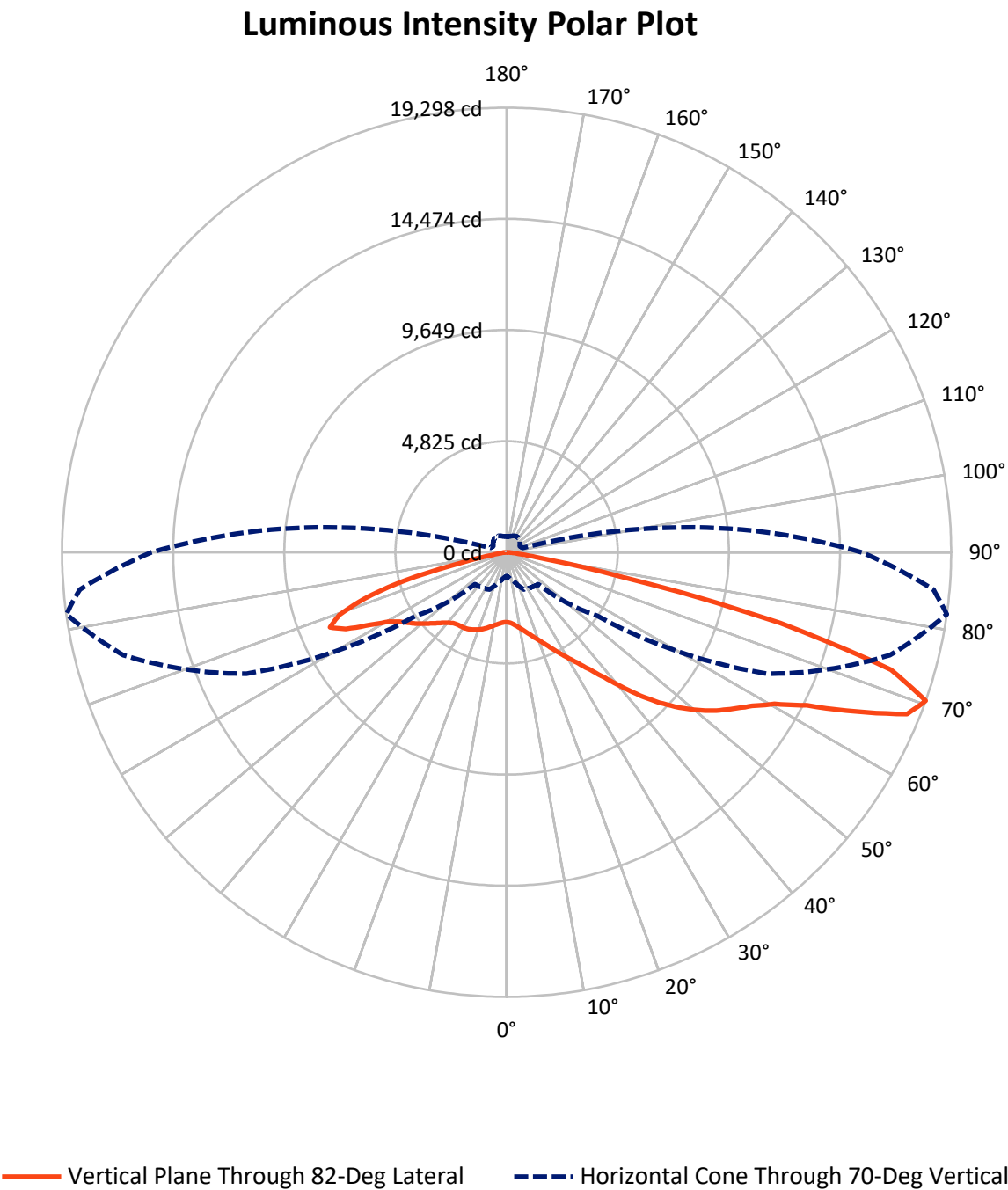
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
Type II - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5091.0	0.0	5091.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	15560.0	0.0	15560.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	20651.0	0.0	20651.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.9	1.4
10°-20°	821.3	4.0
20°-30°	1374.0	6.7
30°-40°	2146.5	10.4
40°-50°	3418.6	16.6
50°-60°	4757.4	23.0
60°-70°	4976.4	24.1
70°-80°	2600.9	12.6
80°-90°	270.1	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°	20651.0	100.0
0°-180°	20651.0	100.0

Coefficient of Utilization



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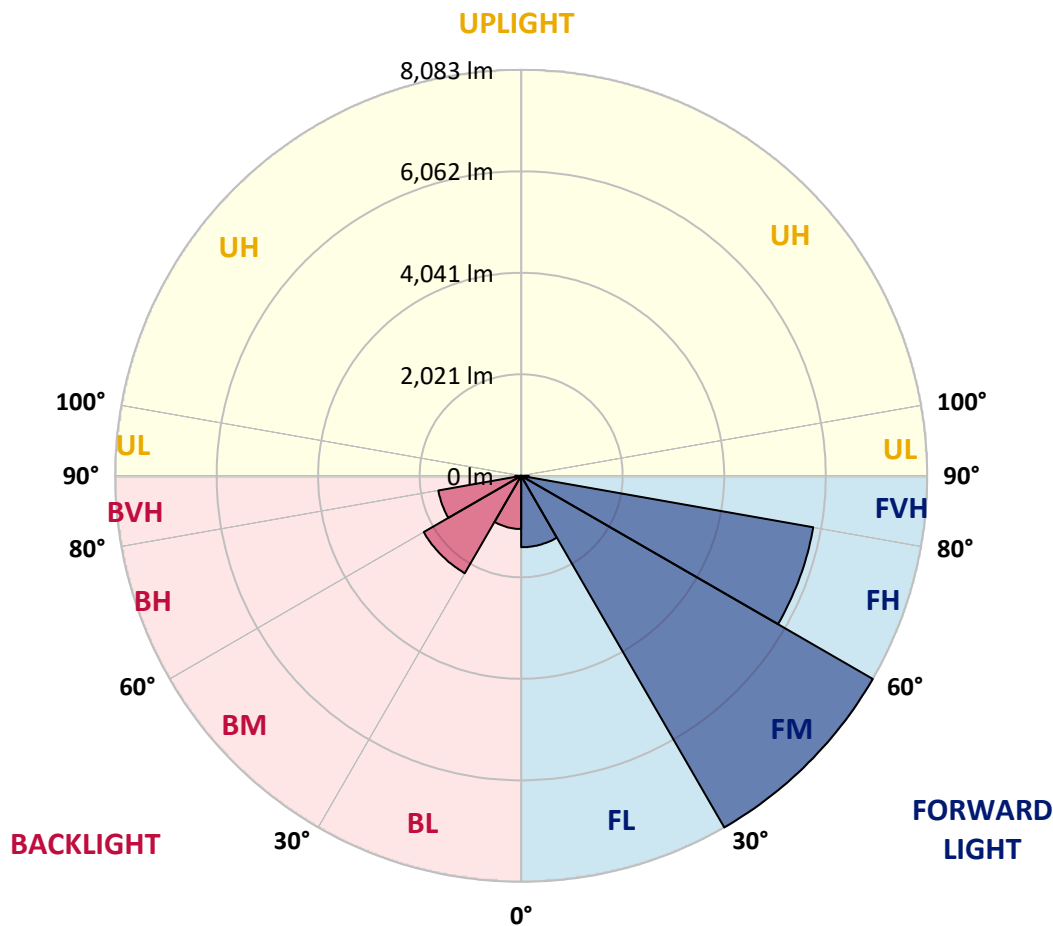
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1422.0	6.9			
FM	(30°-60°)	8082.6	39.1			
FH	(60°-80°)	5904.2	28.6			G3/7500
FVH	(80°-90°)	151.2	0.7			G2/225
BL	(0°-30°)	1059.1	5.1	B3/2500		
BM	(30°-60°)	2239.8	10.8	B2/2500		
BH	(60°-80°)	1673.2	8.1	B3/2500		G3/2500
BVH	(80°-90°)	118.9	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	3027.7	3027.7	3027.7	3027.7	3027.7	3027.7	3027.7	3027.7	3027.7	3027.7	3027.7
2.5°	3100.0	3117.6	3112.1	3106.6	3106.6	3098.9	3097.8	3086.9	3078.1	3063.9	3060.6
5°	3139.5	3158.1	3155.9	3160.3	3174.5	3177.8	3181.1	3174.5	3157.0	3139.5	3131.8
7.5°	3104.4	3125.2	3131.8	3158.1	3201.9	3241.4	3271.0	3283.0	3266.6	3241.4	3229.3
10°	2986.1	3009.1	3032.1	3094.5	3172.3	3265.5	3344.4	3391.5	3388.2	3364.1	3343.3
12.5°	2746.1	2770.2	2819.5	2941.1	3083.6	3248.0	3394.8	3493.4	3527.4	3509.8	3473.7
15°	2554.3	2575.1	2612.4	2737.3	2922.5	3172.3	3413.4	3605.2	3691.7	3681.9	3638.1
17.5°	2548.8	2557.6	2580.6	2639.8	2782.2	3054.0	3393.7	3714.8	3880.2	3879.1	3824.3
20°	2645.3	2648.5	2661.7	2673.8	2754.8	2964.1	3343.3	3805.7	4091.7	4091.7	4032.5
22.5°	2778.9	2776.8	2789.9	2778.9	2818.4	2956.5	3311.5	3885.7	4327.3	4344.8	4270.3
25°	2979.5	2968.5	2965.2	2940.0	2947.7	3027.7	3346.6	3976.7	4606.7	4642.9	4549.8
27.5°	3246.9	3229.3	3217.3	3159.2	3139.5	3174.5	3454.0	4086.2	4917.9	4980.4	4862.1
30°	3595.3	3563.5	3546.0	3445.2	3374.0	3379.4	3616.1	4232.0	5243.4	5344.2	5194.1
32.5°	4070.9	4021.6	3974.5	3809.0	3678.6	3635.9	3825.4	4433.6	5596.2	5757.3	5564.5
35°	4603.5	4564.0	4513.6	4258.3	4057.7	3959.1	4108.2	4715.2	6009.4	6264.7	6013.7
37.5°	5116.3	5082.3	5106.4	4762.3	4503.7	4360.2	4478.5	5093.3	6518.9	6895.9	6577.0
40°	5646.7	5620.4	5623.6	5294.9	4993.6	4832.5	4927.8	5567.8	7103.0	7646.5	7254.2
42.5°	6223.0	6203.3	6137.6	5846.1	5507.5	5357.4	5445.0	6115.7	7729.8	8501.2	7997.1
45°	6868.5	6856.4	6795.1	6460.8	6072.9	5904.2	6022.5	6720.5	8359.9	9305.5	8743.4
47.5°	7426.2	7436.1	7428.4	7146.8	6744.6	6497.0	6638.4	7351.7	8946.1	10061.6	9458.9
50°	7694.7	7746.2	7821.8	7734.2	7484.3	7232.3	7259.7	7961.0	9505.0	10770.6	10144.9
52.5°	7554.4	7652.0	7858.0	7998.2	8094.7	8042.1	7968.7	8565.9	10031.0	11410.6	10793.6
55°	7031.7	7168.7	7510.6	7849.2	8341.2	8723.7	8820.1	9236.5	10543.8	11973.8	11407.3
57.5°	6079.5	6301.9	6608.8	7293.6	8122.1	9053.5	9812.9	10166.8	11087.3	12575.4	12049.4
60°	4446.8	4744.8	5126.2	6145.2	7355.0	8877.1	10657.7	11595.8	11859.8	13354.5	12885.5
62.5°	2845.8	3029.9	3380.5	4340.5	5731.0	7973.0	10916.4	13381.9	13169.3	14632.2	14139.1
65°	1948.3	2066.7	2387.7	2926.9	3704.9	5934.9	10223.8	14721.0	15249.1	16657.3	16282.5
67.5°	1415.8	1505.6	1779.6	2251.9	2414.0	3512.0	7933.6	14659.6	17270.9	18743.7	18160.7
70°	1032.2	1095.8	1325.9	1779.6	1857.4	1953.8	4806.2	12461.4	17227.1	19298.1	18600.1
72.5°	764.9	808.7	963.2	1380.7	1503.4	1319.3	2379.0	9056.8	14803.2	17455.0	16895.0
75°	553.4	586.3	700.2	1056.4	1203.2	1004.8	1186.8	5292.7	10325.7	12278.4	12377.1
77.5°	423.0	448.2	522.7	773.6	963.2	753.9	736.4	2434.9	4896.0	4920.1	5196.3
80°	339.7	356.1	396.7	544.6	738.6	564.3	480.0	982.9	1547.3	1309.5	1374.1
82.5°	249.8	277.2	335.3	382.4	528.2	389.0	292.6	496.4	588.4	506.3	510.6
85°	142.5	161.1	202.7	273.9	337.5	237.8	167.7	220.3	273.9	224.6	200.5
87.5°	50.4	65.7	71.2	107.4	146.8	98.6	64.7	63.6	89.9	66.8	55.9
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°	3027.7	3027.7	3027.7	3027.7	3027.7	3027.7	3027.7	3027.7	3027.7	3027.7	3027.7
2.5°	3049.6	3044.1	3022.2	2992.6	2961.9	2932.4	2922.5	2901.7	2887.4	2879.8	2888.5
5°	3111.0	3093.4	3041.9	2976.2	2907.2	2832.6	2780.0	2731.8	2696.8	2663.9	2677.0
7.5°	3198.6	3168.0	3079.2	2964.1	2841.4	2717.6	2625.5	2555.4	2508.3	2477.6	2484.2
10°	3300.5	3253.4	3117.6	2945.5	2755.9	2578.4	2469.9	2409.7	2380.1	2363.6	2368.0
12.5°	3417.8	3351.0	3157.0	2902.8	2625.5	2422.8	2348.3	2330.8	2331.9	2333.0	2335.1
15°	3562.4	3469.3	3188.8	2809.6	2455.7	2303.4	2290.2	2318.7	2348.3	2362.5	2361.4
17.5°	3725.7	3594.2	3194.3	2656.2	2289.1	2226.7	2268.3	2329.7	2374.6	2394.3	2398.7
20°	3901.0	3721.3	3154.8	2439.3	2152.2	2164.2	2238.7	2317.6	2366.9	2392.1	2398.7
22.5°	4101.6	3857.2	3060.6	2211.3	2040.4	2096.3	2183.9	2260.6	2312.1	2337.3	2343.9
25°	4330.6	4009.5	2912.6	2019.6	1943.9	2019.6	2107.2	2170.8	2212.4	2235.4	2242.0
27.5°	4584.8	4168.4	2715.4	1867.2	1859.6	1940.7	2013.0	2062.3	2084.2	2101.7	2108.3
30°	4840.1	4313.1	2476.5	1752.2	1786.2	1862.9	1914.4	1936.3	1942.9	1946.1	1953.8
32.5°	5116.3	4438.0	2225.6	1656.8	1716.0	1787.2	1817.9	1827.8	1797.1	1776.3	1782.9
35°	5450.5	4571.7	1980.1	1581.2	1647.0	1708.4	1718.2	1709.4	1673.3	1630.6	1632.7
37.5°	5863.6	4738.2	1784.0	1527.5	1582.3	1622.9	1610.8	1608.6	1611.9	1561.5	1564.8
40°	6369.9	4955.2	1640.4	1485.9	1529.7	1538.5	1504.5	1523.2	1539.6	1462.9	1465.1
42.5°	6932.0	5217.1	1549.5	1457.4	1485.9	1465.1	1412.5	1433.3	1431.1	1330.3	1329.2
45°	7505.1	5502.0	1517.7	1436.6	1445.4	1403.7	1345.6	1351.1	1305.1	1214.1	1217.4
47.5°	8074.9	5807.7	1537.4	1419.1	1395.0	1347.8	1302.9	1278.8	1210.9	1142.9	1142.9
50°	8633.8	6128.8	1609.7	1384.0	1325.9	1298.5	1265.6	1222.9	1150.6	1092.5	1088.1
52.5°	9152.1	6452.1	1690.8	1325.9	1239.3	1255.8	1235.0	1185.7	1114.4	1055.3	1056.4
55°	9643.0	6775.3	1722.6	1245.9	1158.3	1218.5	1206.5	1115.5	1030.1	981.8	977.5
57.5°	10177.8	7164.3	1687.5	1144.0	1092.5	1175.8	1129.8	1029.0	979.6	943.5	940.2
60°	10918.5	7774.7	1611.9	1018.0	1030.1	1112.2	1033.3	991.7	938.0	897.5	895.3
62.5°	12149.1	8913.2	1490.3	893.1	956.6	1018.0	987.3	945.7	890.9	851.4	851.4
65°	13968.2	10495.6	1261.3	795.6	874.4	926.0	938.0	896.4	839.4	797.7	799.9
67.5°	15502.3	11488.4	954.4	714.5	790.1	851.4	885.4	844.9	784.6	744.0	745.1
70°	15417.9	10767.3	728.7	634.5	715.6	778.0	821.8	790.1	725.4	687.1	690.4
72.5°	13694.2	9007.5	589.5	553.4	639.9	701.3	753.9	729.8	664.1	626.8	626.8
75°	10060.5	6394.0	471.2	471.2	545.7	621.3	679.4	664.1	603.8	577.5	569.8
77.5°	4240.7	2682.5	369.3	391.2	453.7	533.7	606.0	611.5	558.9	591.7	536.9
80°	1127.6	739.7	281.6	307.9	356.1	440.5	527.1	524.9	467.9	437.2	406.5
82.5°	429.6	291.5	200.5	217.0	257.5	337.5	417.5	430.6	373.7	323.3	323.3
85°	165.5	124.9	123.8	130.4	150.1	223.5	315.6	326.5	281.6	238.9	246.6
87.5°	42.7	37.3	46.0	43.8	69.0	119.4	180.8	187.4	172.0	99.7	142.5
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)