

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: P940434

Luminaire Tested: **GALN-SB3C-730-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940434
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-SB3C-730-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 615mA 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: 16408 lumens
Efficiency: N/A
Efficacy: 110.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

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

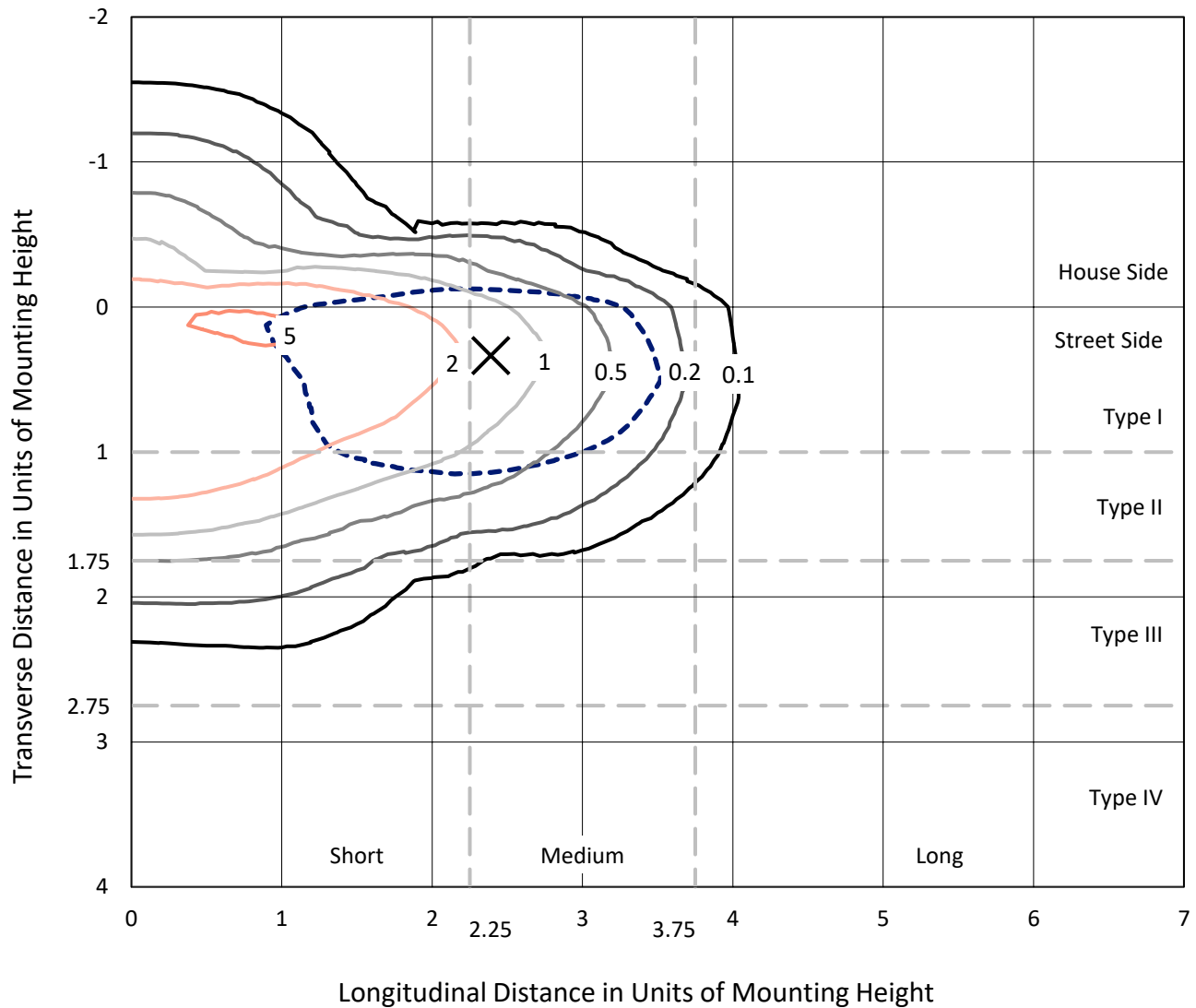


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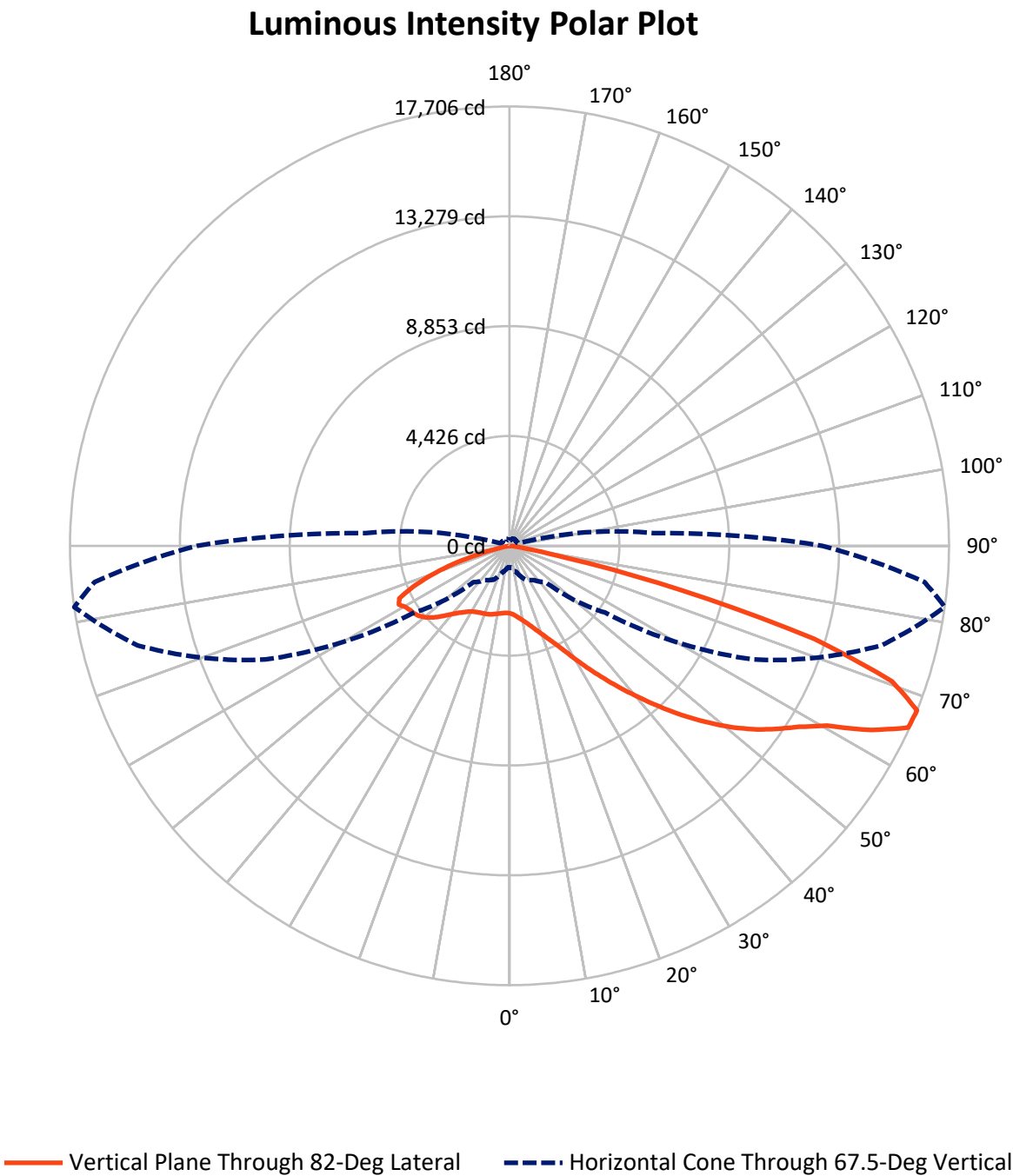
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
Type II - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2972.2	0.0	2972.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	13435.8	0.0	13435.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	16408.0	0.0	16408.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.2	1.5
10°-20°	629.3	3.8
20°-30°	1008.0	6.1
30°-40°	1782.4	10.9
40°-50°	3122.9	19.0
50°-60°	4165.1	25.4
60°-70°	3877.5	23.6
70°-80°	1488.2	9.1
80°-90°	92.4	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°	16408.0	100.0
0°-180°	16408.0	100.0

Coefficient of Utilization



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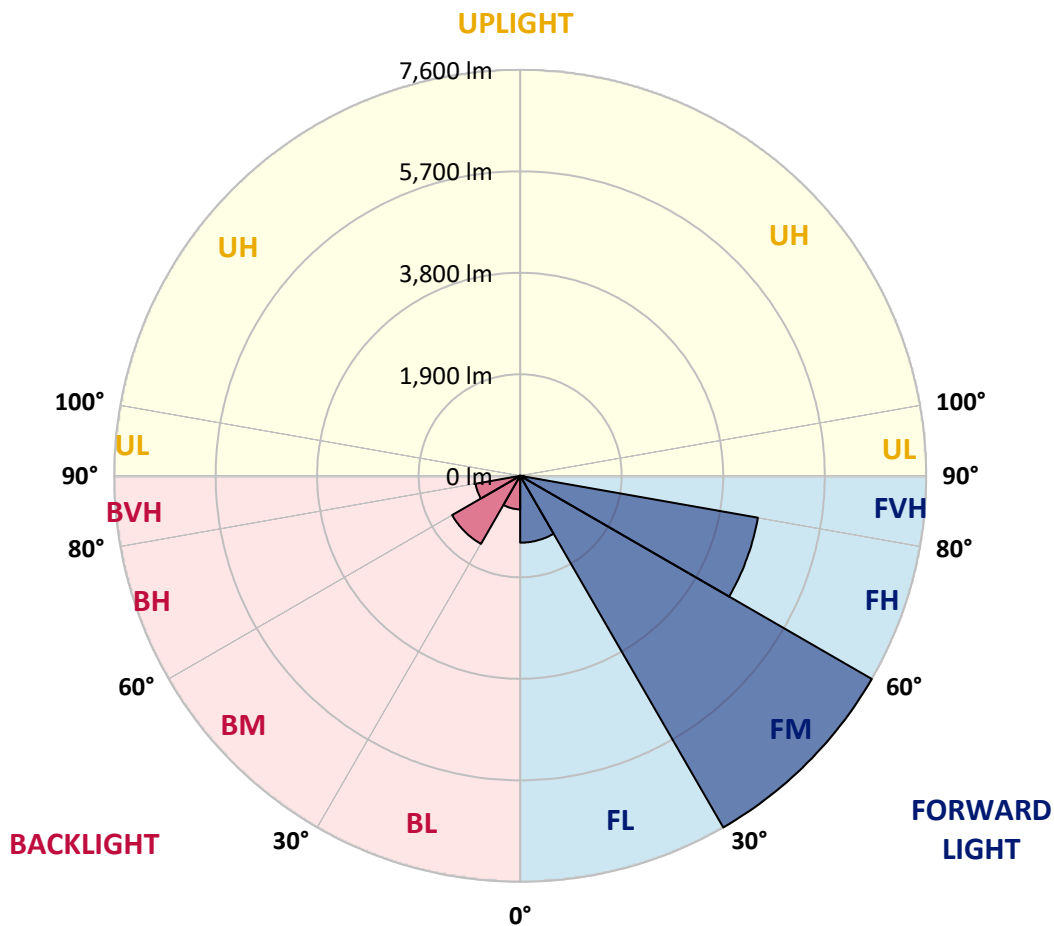
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1251.7	7.6			
FM	(30°-60°)	7599.5	46.3			
FH	(60°-80°)	4517.4	27.5			G2/5000
FVH	(80°-90°)	67.2	0.4			G1/100
BL	(0°-30°)	627.7	3.8	B2/1000		
BM	(30°-60°)	1470.9	9.0	B2/2500		
BH	(60°-80°)	848.3	5.2	B2/1000		G2/1000
BVH	(80°-90°)	25.2	0.2			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3
2.5°	2873.0	2889.5	2880.1	2875.4	2867.1	2855.3	2845.8	2816.3	2785.6	2765.5	2758.4
5°	2930.9	2947.4	2946.2	2951.0	2956.9	2960.4	2958.1	2925.0	2881.3	2847.0	2826.9
7.5°	2881.3	2900.2	2915.5	2939.2	2980.5	3024.2	3045.5	3038.4	2993.5	2946.2	2921.4
10°	2740.7	2760.8	2797.4	2852.9	2940.3	3034.8	3114.0	3150.6	3122.3	3070.3	3036.0
12.5°	2483.2	2503.2	2575.3	2695.8	2842.3	3006.5	3157.7	3255.8	3262.8	3210.9	3170.7
15°	2193.7	2213.8	2290.6	2441.8	2665.1	2928.5	3181.3	3366.8	3429.4	3384.5	3336.1
17.5°	2014.2	2031.9	2089.8	2211.5	2444.2	2772.6	3173.1	3484.9	3627.9	3592.4	3534.6
20°	1959.8	1975.2	2002.4	2087.4	2281.2	2610.7	3118.7	3596.0	3841.7	3821.6	3756.6
22.5°	2017.7	2031.9	2040.2	2078.0	2199.6	2504.4	3050.2	3709.4	4089.8	4092.1	4013.0
25°	2151.2	2165.4	2155.9	2179.6	2232.7	2471.4	3024.2	3842.9	4401.7	4427.6	4337.9
27.5°	2370.9	2372.1	2349.7	2348.5	2356.8	2521.0	3051.4	3985.8	4795.0	4843.5	4732.4
30°	2811.6	2793.9	2707.6	2614.3	2571.8	2669.8	3127.0	4154.8	5259.3	5345.5	5206.1
32.5°	3490.8	3464.9	3306.6	3083.3	2858.8	2909.6	3262.8	4347.3	5764.9	5920.8	5750.7
35°	4228.0	4220.9	4055.5	3723.6	3331.4	3251.0	3483.8	4600.1	6316.6	6564.7	6362.7
37.5°	4913.2	4909.6	4815.1	4424.1	3946.8	3727.1	3838.2	4930.9	6907.3	7266.4	7027.8
40°	5539.3	5549.9	5455.4	5105.7	4624.9	4337.9	4320.1	5339.6	7564.1	8030.7	7747.2
42.5°	6080.3	6092.1	5996.5	5737.7	5294.7	5013.6	4912.0	5840.5	8205.5	8851.7	8516.2
45°	6447.7	6521.0	6506.8	6300.1	5982.3	5690.5	5623.2	6469.0	8936.8	9722.4	9329.0
47.5°	6551.7	6619.0	6725.3	6753.7	6559.9	6272.9	6353.2	7226.2	9676.3	10594.2	10146.5
50°	6295.3	6357.9	6578.9	6873.0	7007.7	6919.1	7063.2	8037.8	10433.5	11463.7	10948.6
52.5°	5789.7	5853.5	6132.3	6597.8	7147.1	7425.9	7775.5	8837.6	11167.2	12287.1	11708.2
55°	5058.5	5125.8	5483.8	6010.6	6881.3	7635.0	8369.8	9636.1	11839.3	13027.8	12393.4
57.5°	4063.8	4113.4	4485.5	5222.7	6212.6	7427.0	8808.0	10508.0	12472.5	13755.5	13072.6
60°	2648.6	2692.3	3124.6	3946.8	5104.5	6732.4	8895.4	11480.2	13313.6	14701.7	13988.2
62.5°	1761.4	1790.9	2047.3	2650.9	3594.8	5398.7	8383.9	12256.3	14547.0	16348.5	15558.2
65°	1208.5	1238.0	1494.4	1914.9	2322.5	3571.2	6913.2	12153.6	15664.5	17656.2	16721.8
67.5°	862.4	887.2	1104.5	1501.5	1681.0	2074.4	4686.4	10839.9	15503.8	17705.8	16784.4
70°	617.8	632.0	811.6	1169.5	1336.1	1246.3	2606.0	8290.6	13574.7	16349.7	15506.2
72.5°	432.4	437.1	563.5	890.7	1076.2	909.6	1240.4	5527.5	10267.0	12832.8	12021.3
75°	293.0	298.9	379.2	653.3	863.6	694.6	656.8	2964.0	6027.2	7103.4	6367.4
77.5°	179.6	181.9	244.5	446.5	646.2	529.2	422.9	1255.8	2332.0	2289.4	1951.6
80°	101.6	101.6	155.9	277.6	440.6	341.4	296.5	534.0	738.3	648.6	571.8
82.5°	56.7	57.9	113.4	172.5	291.8	202.0	163.0	246.9	319.0	282.3	245.7
85°	23.6	26.0	69.7	81.5	139.4	100.4	66.2	104.0	118.1	105.1	76.8
87.5°	2.4	3.5	21.3	15.4	16.5	20.1	9.5	20.1	16.5	16.5	11.8
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°	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3	2718.3
2.5°	2736.0	2718.3	2673.4	2621.4	2552.9	2519.8	2474.9	2444.2	2418.2	2420.6	2396.9
5°	2789.1	2744.2	2643.8	2518.6	2362.7	2251.6	2133.5	2052.0	1985.8	1971.6	1939.8
7.5°	2862.4	2791.5	2615.5	2389.8	2126.4	1926.8	1748.4	1633.8	1552.3	1526.3	1500.3
10°	2956.9	2854.1	2578.9	2228.0	1848.8	1594.8	1403.4	1313.6	1258.1	1239.2	1225.0
12.5°	3066.7	2926.2	2530.4	2030.7	1562.9	1318.4	1196.7	1151.8	1134.1	1128.2	1124.6
15°	3205.0	3015.9	2457.2	1796.8	1320.7	1149.4	1097.5	1091.6	1093.9	1091.6	1090.4
17.5°	3369.2	3114.0	2337.9	1555.8	1157.7	1063.2	1044.3	1049.0	1054.9	1053.8	1051.4
20°	3548.7	3210.9	2185.5	1342.0	1046.7	1001.8	991.1	995.9	1000.6	998.2	997.0
22.5°	3753.1	3314.8	2016.5	1175.4	972.2	945.1	933.3	934.4	934.4	929.7	927.3
25°	3997.6	3429.4	1839.3	1057.3	915.5	894.3	880.1	875.4	868.3	854.1	851.7
27.5°	4289.4	3551.1	1669.2	974.6	870.6	850.6	834.0	822.2	804.5	780.9	778.5
30°	4617.8	3698.8	1525.1	922.6	835.2	815.1	796.2	778.5	752.5	723.0	720.6
32.5°	5004.1	3857.1	1420.0	888.4	803.3	782.0	759.6	738.3	710.0	680.4	681.6
35°	5464.9	4048.4	1358.5	864.7	778.5	750.1	725.3	701.7	680.4	654.5	652.1
37.5°	5964.6	4251.6	1339.6	852.9	762.0	718.3	689.9	673.4	671.0	655.6	654.5
40°	6511.5	4492.6	1353.8	845.8	744.2	687.5	656.8	653.3	659.2	632.0	633.2
42.5°	7090.4	4778.5	1377.4	837.6	719.4	656.8	627.3	627.3	622.6	584.8	584.8
45°	7716.5	5108.1	1401.1	817.5	689.9	626.1	603.7	595.4	575.3	538.7	537.5
47.5°	8347.3	5443.6	1418.8	780.9	654.5	600.1	580.0	561.1	531.6	498.5	497.3
50°	8946.2	5744.8	1399.9	726.5	614.3	575.3	554.0	528.1	496.2	473.7	470.2
52.5°	9481.4	6005.9	1319.6	662.7	571.8	549.3	530.4	503.2	477.3	453.6	451.3
55°	9946.8	6217.4	1177.8	602.5	534.0	526.9	508.0	473.7	438.3	418.2	415.8
57.5°	10393.4	6378.0	1000.6	552.9	499.7	502.1	473.7	443.0	409.9	388.7	386.3
60°	10987.6	6593.0	821.0	506.8	463.1	470.2	439.5	417.0	375.7	348.5	344.9
62.5°	11937.4	6927.3	652.1	450.1	420.6	422.9	409.9	382.8	333.1	301.2	298.9
65°	12691.1	6804.5	513.9	388.7	372.1	375.7	375.7	346.1	293.0	256.3	252.8
67.5°	12606.0	5826.3	409.9	328.4	326.0	328.4	336.7	311.9	259.9	230.4	225.6
70°	11612.5	4634.4	328.4	272.9	283.5	277.6	301.2	284.7	233.9	204.4	200.8
72.5°	9475.5	3338.5	250.4	225.6	217.4	226.8	271.7	256.3	194.9	161.8	158.3
75°	5536.9	1781.5	186.7	178.4	157.1	189.0	241.0	218.5	148.8	119.3	115.8
77.5°	1802.7	621.4	137.0	131.1	117.0	152.4	205.6	184.3	121.7	94.5	91.0
80°	483.2	187.8	93.3	86.2	75.6	113.4	163.0	146.5	87.4	61.4	60.2
82.5°	193.7	79.1	54.3	48.4	41.3	78.0	128.8	118.1	65.0	39.0	39.0
85°	62.6	26.0	20.1	15.4	18.9	48.4	76.8	80.3	46.1	20.1	15.4
87.5°	8.3	3.5	3.5	4.7	3.5	8.3	23.6	22.4	13.0	2.4	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)