

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: P943306

Luminaire Tested: **GALN-SB7D-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943306
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB7D-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46886 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 512.8
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



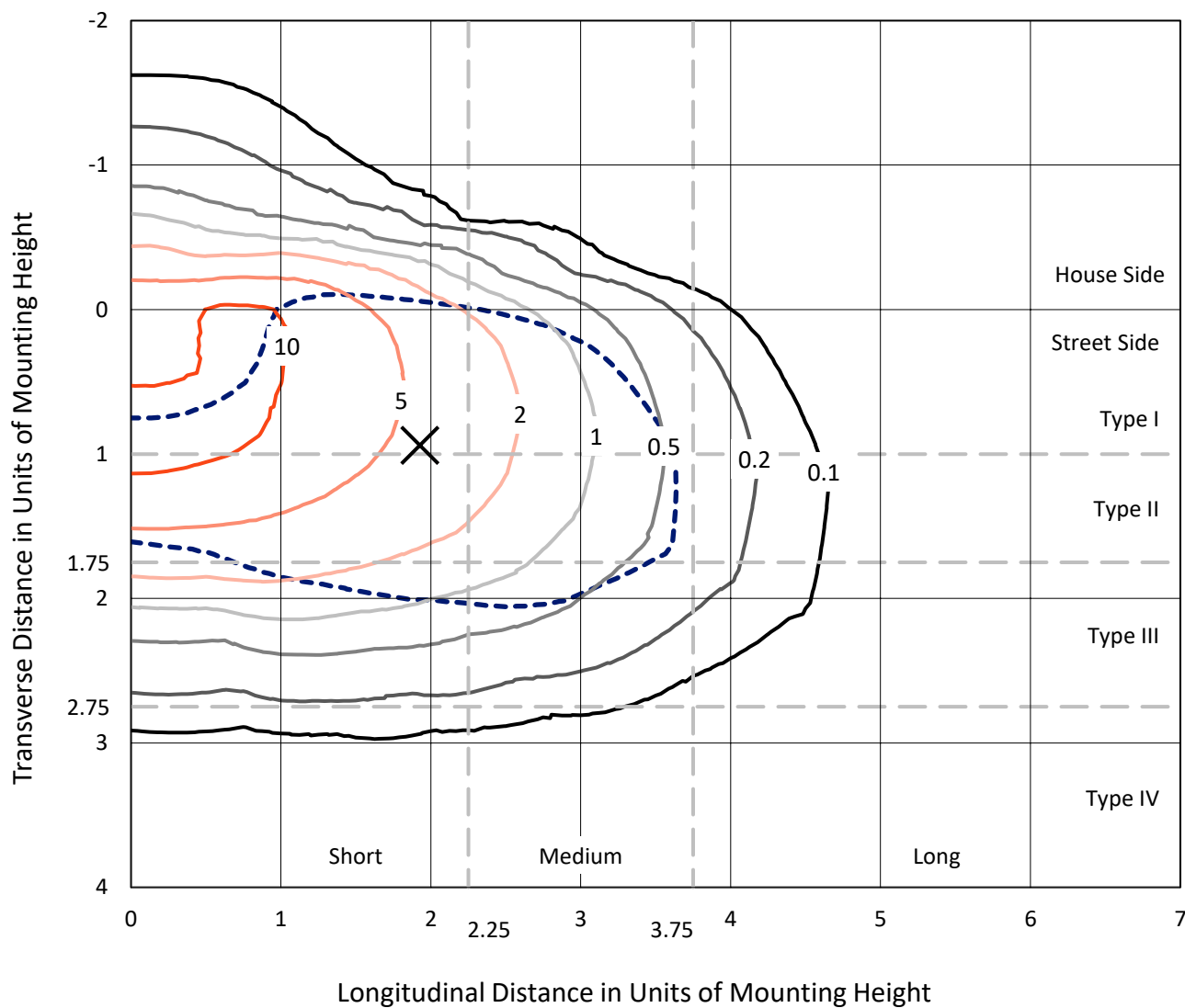
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Iso-Footcandle Lines of Horizontal Illumination

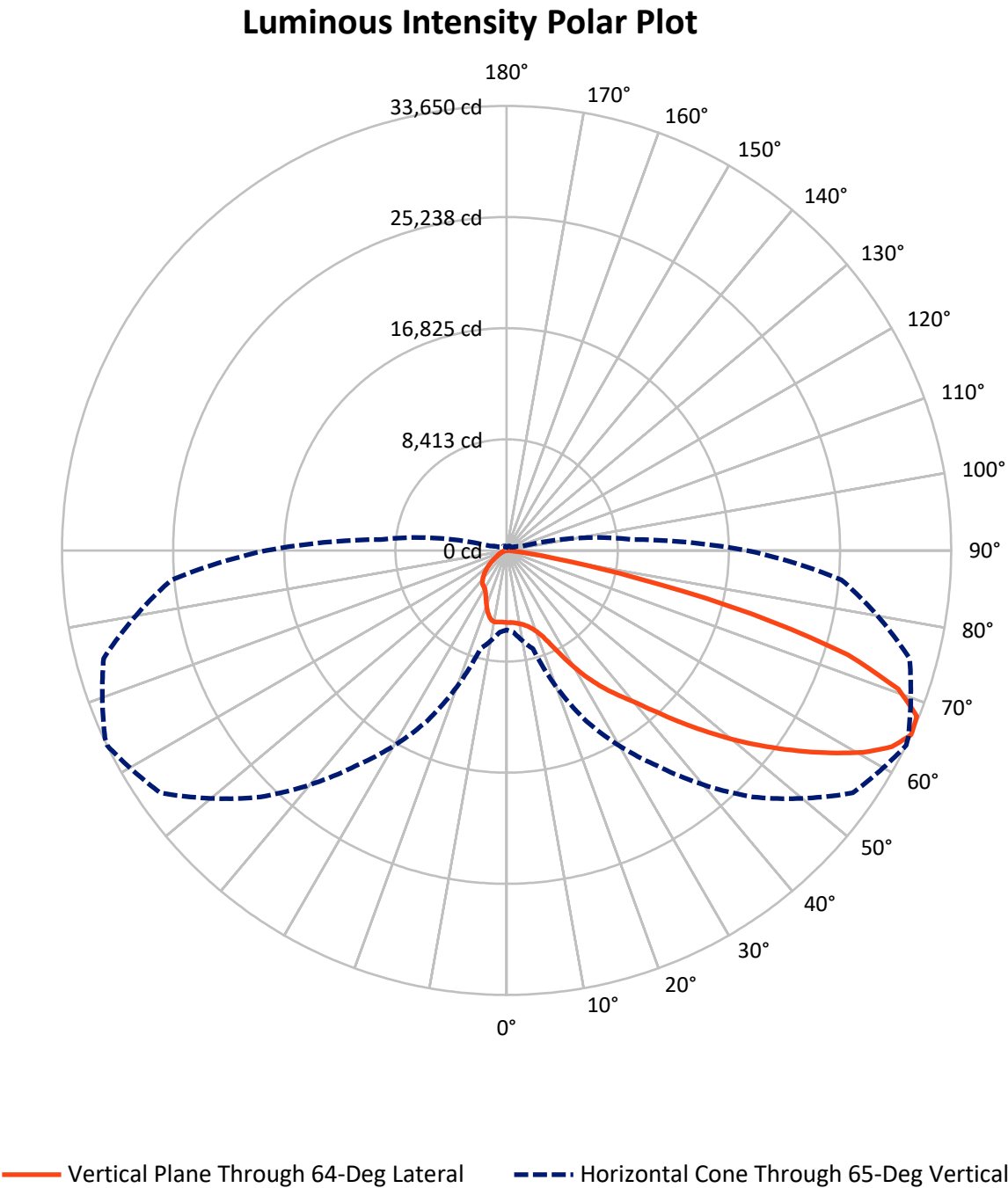
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.7 fc
 Type III - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6270.1	0.0	6270.1
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	40615.9	0.0	40615.9
	% Fixture	86.6	0.0	86.6
Total	Lumens	46886.0	0.0	46886.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	503.1	1.1
10°-20°	1364.6	2.9
20°-30°	2585.8	5.5
30°-40°	5232.5	11.2
40°-50°	8913.6	19.0
50°-60°	12121.8	25.9
60°-70°	11383.0	24.3
70°-80°	4560.5	9.7
80°-90°	220.9	0.5
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°	46886.0	100.0
0°-180°	46886.0	100.0

Coefficient of Utilization



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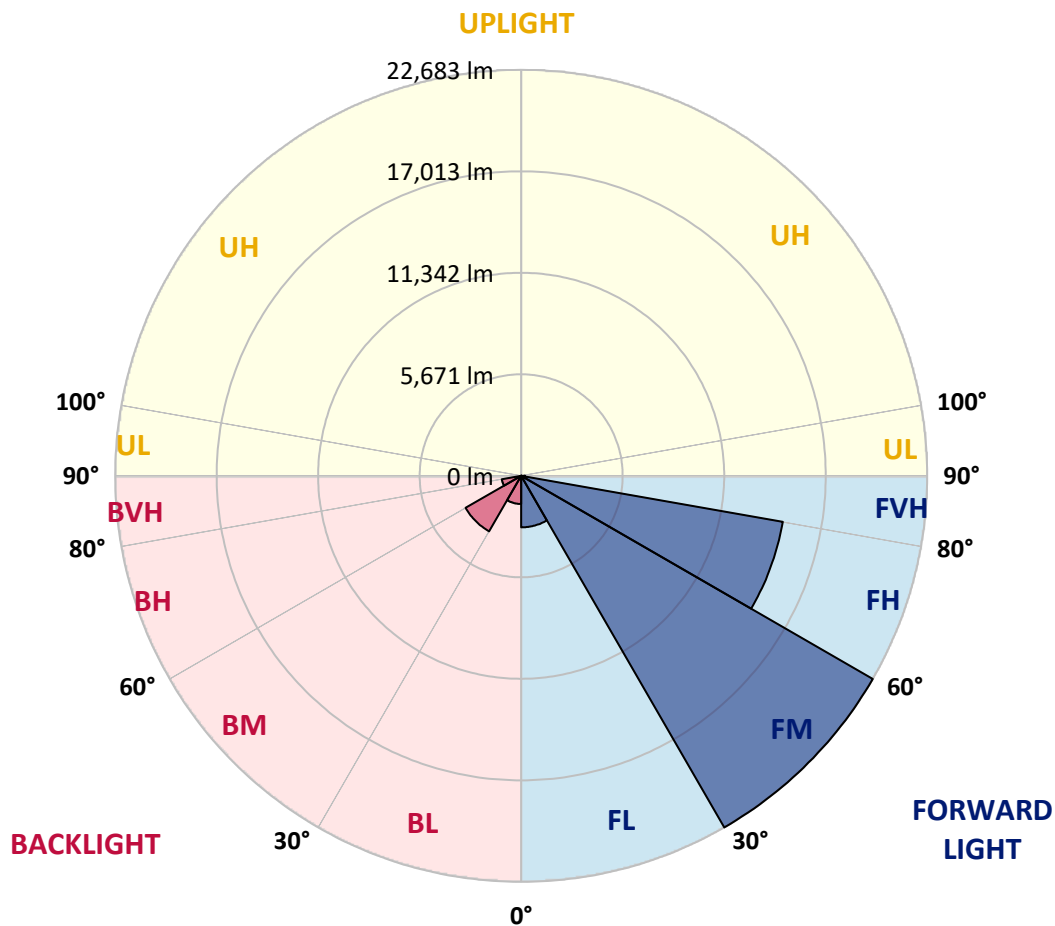
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2879.3	6.1			
FM	(30°-60°)	22683.4	48.4			
FH	(60°-80°)	14843.0	31.7			G5
FVH	(80°-90°)	210.2	0.4			G2/225
BL	(0°-30°)	1574.2	3.4	B3/2500		
BM	(30°-60°)	3584.6	7.6	B3/5000		
BH	(60°-80°)	1100.5	2.3	B3/2500		G3/2500
BVH	(80°-90°)	10.8	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	5453.3	5453.3	5453.3	5453.3	5453.3	5453.3	5453.3	5453.3	5453.3	5453.3	5453.3
2.5°	5434.5	5472.2	5462.8	5453.3	5450.2	5456.5	5459.6	5456.5	5456.5	5456.5	5459.6
5°	5330.7	5362.2	5362.2	5384.2	5415.6	5453.3	5481.6	5487.9	5494.2	5503.6	5500.5
7.5°	5132.7	5157.9	5176.7	5249.0	5327.6	5428.2	5513.0	5557.1	5563.3	5597.9	5610.5
10°	4997.6	5029.0	5060.4	5135.9	5249.0	5399.9	5544.5	5651.3	5667.1	5748.8	5786.5
12.5°	4991.3	5022.7	5063.6	5145.3	5277.3	5437.6	5613.6	5767.6	5795.9	5915.4	5993.9
15°	5057.3	5095.0	5132.7	5233.3	5374.8	5569.6	5758.2	5949.9	5978.2	6148.0	6232.8
17.5°	5192.4	5242.7	5271.0	5371.6	5522.5	5739.4	5987.7	6207.7	6232.8	6430.8	6537.7
20°	5459.6	5519.3	5528.8	5610.5	5758.2	5990.8	6286.3	6559.7	6591.1	6817.4	6936.9
22.5°	6012.8	6097.7	6022.2	6063.1	6195.1	6427.7	6748.3	7094.0	7138.0	7395.8	7502.6
25°	6987.2	7106.6	6911.7	6842.6	6899.2	7141.2	7543.5	7980.4	8030.7	8238.1	8291.6
27.5°	8901.3	8747.3	8451.9	8162.7	7993.0	8131.3	8583.9	9124.5	9187.4	9388.5	9325.7
30°	11004.1	10868.9	10469.8	9828.6	9426.2	9404.2	9822.3	10425.8	10498.1	10689.8	10498.1
32.5°	13110.0	12981.1	12547.4	11758.4	11060.7	10714.9	11004.1	11673.6	11711.3	11833.9	11551.0
35°	15181.3	15049.3	14615.5	13807.8	12949.7	12163.9	12107.3	12861.7	12874.3	13003.1	12581.9
37.5°	17265.2	17155.2	16693.2	15901.1	15055.6	13971.2	13446.3	13986.9	14002.6	14128.4	13691.5
40°	18751.9	18799.1	18481.6	17868.7	17142.6	15957.7	14948.7	15184.5	15090.2	15300.8	15039.9
42.5°	20028.0	20122.3	19845.7	19537.7	19116.5	18073.0	16809.5	16768.6	16617.7	16730.9	16460.6
45°	21131.3	21209.8	20961.5	20889.2	20879.8	20147.5	18843.1	18597.9	18387.3	18365.3	18041.6
47.5°	21536.7	21687.6	21794.5	22036.5	22507.9	22199.9	20945.8	20565.5	20329.8	20156.9	19644.6
50°	21690.7	21851.0	22215.6	22919.7	24035.5	24167.5	23039.1	22611.7	22322.5	22008.2	21253.8
52.5°	21483.3	21769.3	22259.6	23444.6	25063.3	25745.4	25047.6	24673.6	24343.5	23831.2	22712.2
55°	20260.6	20546.6	21549.3	23438.3	25575.6	26851.8	26946.0	26779.5	26408.6	25600.8	23890.9
57.5°	17683.2	18107.6	19694.8	22640.0	25566.2	27804.1	28806.8	28926.2	28511.3	27354.7	24818.1
60°	14112.6	14687.8	16624.0	20870.4	24777.3	28319.6	30438.1	31035.3	30595.2	29083.4	25569.4
62.5°	9847.4	10513.8	12346.2	18098.1	22973.1	27948.7	31629.3	32732.5	32399.4	30629.8	25858.5
65°	6006.5	6220.3	7697.5	14241.5	19905.4	26396.0	31997.1	33650.3	33540.3	31575.9	25431.1
67.5°	4001.2	4180.4	4604.7	9765.7	15451.6	23293.7	31117.0	33490.0	33521.5	31421.9	23865.8
70°	2410.8	2564.8	2841.4	5679.6	10014.0	18437.6	28391.9	31447.0	31629.3	29363.1	20898.7
72.5°	993.2	1097.0	1348.4	2574.2	5186.2	11701.9	22608.5	26999.5	27423.8	24689.3	16039.4
75°	562.6	616.1	792.1	1291.8	2250.5	5453.3	13694.6	19166.8	19792.3	17016.9	9649.4
77.5°	374.0	399.2	512.3	836.1	1266.7	1860.7	5852.5	9985.7	11180.1	9294.2	4177.2
80°	251.5	273.5	352.0	559.5	823.5	798.4	1863.9	3699.5	4551.3	3193.4	1018.4
82.5°	169.7	172.9	251.5	367.7	521.8	386.6	550.0	1150.4	1445.8	924.1	386.6
85°	97.4	94.3	185.4	213.7	232.6	160.3	166.6	345.7	452.6	389.7	220.0
87.5°	12.6	18.9	72.3	56.6	31.4	34.6	34.6	59.7	88.0	94.3	47.1
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°	5453.3	5453.3	5453.3	5453.3	5453.3	5453.3	5453.3	5453.3	5453.3	5453.3	5453.3
2.5°	5459.6	5456.5	5447.0	5437.6	5415.6	5403.0	5409.3	5403.0	5399.9	5403.0	5415.6
5°	5500.5	5491.0	5465.9	5434.5	5390.5	5337.0	5302.5	5252.2	5205.0	5176.7	5183.0
7.5°	5610.5	5601.1	5566.5	5478.5	5337.0	5113.9	4909.6	4730.4	4595.3	4516.7	4519.8
10°	5786.5	5770.8	5717.4	5522.5	5151.6	4664.4	4258.9	3922.6	3702.6	3598.9	3589.5
12.5°	5993.9	5975.1	5880.8	5481.6	4799.6	4038.9	3479.4	3105.4	2901.1	2810.0	2800.5
15°	6239.1	6214.0	6028.5	5286.7	4287.2	3347.4	2835.1	2555.4	2423.4	2341.6	2344.8
17.5°	6544.0	6500.0	6138.5	4994.4	3730.9	2819.4	2439.1	2228.5	2112.2	2033.6	2027.3
20°	6940.0	6867.7	6226.5	4645.5	3218.6	2486.2	2171.9	1995.9	1907.9	1838.7	1826.2
22.5°	7493.2	7389.5	6333.4	4268.4	2857.1	2256.8	1973.9	1845.0	1772.7	1694.1	1681.6
25°	8178.4	8055.8	6465.4	3919.5	2608.8	2058.7	1829.3	1722.4	1637.6	1546.4	1537.0
27.5°	9137.1	8917.1	6622.6	3633.5	2395.1	1889.0	1697.3	1577.9	1480.4	1405.0	1389.3
30°	10205.7	9844.3	6760.9	3460.6	2200.2	1731.9	1524.4	1405.0	1313.8	1260.4	1251.0
32.5°	11217.8	10727.5	6852.0	3385.1	2024.2	1552.7	1335.8	1207.0	1137.8	1122.1	1131.5
35°	12173.3	11525.9	6842.6	3312.9	1867.0	1373.5	1150.4	1018.4	964.9	974.4	974.4
37.5°	13273.4	12377.6	6776.6	3199.7	1738.2	1210.1	990.1	873.8	826.6	829.8	842.4
40°	14552.7	13361.4	6735.7	2986.0	1596.7	1059.2	858.1	763.8	729.2	716.6	713.5
42.5°	15916.8	14313.8	6742.0	2744.0	1420.7	924.1	766.9	688.3	656.9	647.5	644.3
45°	17287.2	15222.2	6751.4	2492.5	1235.2	820.4	700.9	634.9	616.1	603.5	603.5
47.5°	18575.9	15995.4	6575.4	2222.2	1052.9	741.8	647.5	603.5	587.8	572.0	572.0
50°	19776.6	16510.9	6151.1	1907.9	908.4	678.9	606.6	575.2	559.5	543.8	543.8
52.5°	20710.1	16592.6	5450.2	1584.1	807.8	631.8	581.5	553.2	534.3	518.6	515.5
55°	21125.0	16080.2	4453.8	1282.4	729.2	590.9	556.3	528.0	506.0	490.3	487.2
57.5°	21018.1	15002.2	3473.2	1030.9	653.8	550.0	524.9	506.0	480.9	455.8	452.6
60°	20493.2	13559.5	2618.2	858.1	584.6	506.0	490.3	474.6	440.0	402.3	396.0
62.5°	19584.8	11745.9	1867.0	710.3	509.2	455.8	449.5	436.9	386.6	317.5	311.2
65°	18195.6	9542.5	1257.3	590.9	436.9	399.2	402.3	380.3	314.3	235.7	229.4
67.5°	16165.1	6977.7	804.6	484.0	364.6	333.2	336.3	323.7	267.2	201.2	191.7
70°	13578.3	4620.4	524.9	367.7	292.3	257.7	276.6	279.7	226.3	163.4	157.2
72.5°	9954.3	2728.2	367.7	273.5	213.7	179.2	226.3	232.6	182.3	122.6	116.3
75°	5673.3	1295.0	276.6	198.0	132.0	125.7	176.0	176.0	125.7	81.7	75.4
77.5°	2382.5	540.6	194.9	128.9	75.4	72.3	119.4	110.0	62.9	37.7	37.7
80°	688.3	242.0	103.7	62.9	31.4	28.3	47.1	34.6	15.7	6.3	6.3
82.5°	270.3	106.9	40.9	25.1	12.6	12.6	6.3	0.0	0.0	0.0	0.0
85°	160.3	44.0	18.9	9.4	3.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	40.9	9.4	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)